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VOL. 45 JANUARY, 1914 NO. 1

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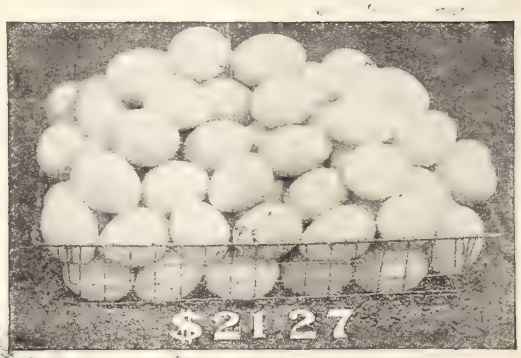
AMERICAN POULTRY JOURNAL



Does This Look Good to You?

$3.00 Hen That Lays $21.27 in Eggs in One Year





This Is Why There Is Such An Increasing Demand for My Anconas

Sheppard's Famous Anconas

Have made another big sweep at the Cleveland Fancier's Club big Show by ning all the first prizes in both Rose and Single Comb classes, and all the ond prizes excepting one. We also won special for best display of Anconas special for best display of any variety in the big show. They have won first he world's greatest shows, including London, England, Cleveland and Mad- n Square Garden, N. Y. For seven consecutive years my birds have won three times as many first and second prizes at the nation's greatest shows as all my competitors together, (including the late shows), so have earned the distinction of being

THE WORLD'S BEST

They are famous egg machines and the greatest **winter layers,** with the wonderful egg record of **256 Average for a Flock.**

If you want to win at your show or increase your egg production, write for catalogue. Orders booked now for eggs and baby chicks. A fine lot of stock for sale.

H. CECIL SHEPPARD Pres. International Ancona Club **Box M2, BEREA, OHIO**

AUG 23 1913

F. E. HARRISON'S

CHAMPION ROYAL RED S.C. RHODE ISLAND REDS

again sweep Chicago

The most phenomenal winnings of all times have just been awarded to this great strain in a most decisive manner.



Bred, Owned and Exhibited by F. E. Harrison

In the largest class of Single Comb Rhode Island Reds ever caged in a National show, Royal Reds win as follows:

First and Fourth Cock.
Second and Fifth Hen.
First and Fifth Cockerel.
First, Second, Third and Fourth Pullet.
First and Third Old Pen.
First and Fifth Young Pen.
Special Best Display.
Color Special Male.
Shape Special Male.
Color Special Female.
Shape Special Female.
Best Colored Pen.

And the Red Club of America's Western Championship Cup for Best Display.

My First Prize Cockerel was the sensation of the show, winning First and Championship in a class of one-hundred-six (106) Cockerels, a most enviable record, more so when it is taken into consideration that this bird was bred and raised from shell to show room by me. Particulars of this great win on request.

My egg offer for 1914 will be the best ever offered.

I have every First Prize Winning Male at the Great Chicago Coliseum Show from the 1912-13 and 1913-14 shows.

I have the largest flock of quality Single Comb Reds of any breeder in the world.

CATALOG FREE.

F. E. Harrison

Box 30, Menominee, Michigan

Know Your Hens on Sight

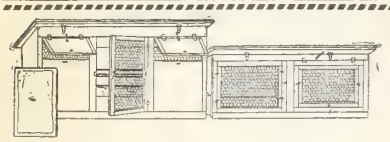
Successful breeding depends upon knowing your fowls at sight. The

SPIR-O-L
TRADE MARK
LEG BANDS

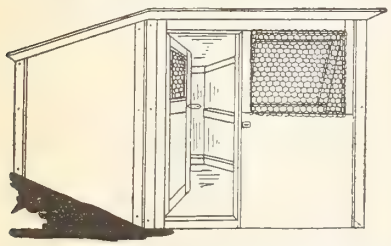


Are made in six colors and give you 120 combinations. They are indestructable and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address. Retail prices—25c a dozen, 50c for 25, 85c for 50; $1.50 for 100. Pigeon and baby chick bands, 20c a dozen, 25 for 35c, 50 for 60c, 100 for $1.

P. S. RIGGS : WHITE PLAINS, NEW YORK



COOP FOR 12 HENS, $10.00



6 ft. x 8 ft. Portable House, $15.00

Colony Houses, Oat Sprouters, Shipping Coops, Grain Chests, Yard Gates, Nests, etc. Write for free circular showing 20 different cuts.

E. C. YOUNG BOX COMPANY
RANDOLPH, :: MASSACHUSETTS

BUFF ROCKS

Am breaking up my breeding pens and am offering high class exhibition specimens of both sexes at very low prices, considering quality. Some of these birds have show records, other equally as good have never been shown. Mention American Poultry Journal.

C. E. CLAPP MORGAN PARK, ILL.

OKE'S HAMBURGS & BANTAMS WIN

"The world over"—Boston, New York, Baltimore, Toronto, all great shows. Golden and Silver Penciled and Spangled and Black Hamburgs, Seabright, Black and White Rose Comb and Jap Bantams. Eggs $5 per setting. Write your wants.

R. OKE. BOX 361-A, LONDON, ONT.



R.C. MINORCAS

First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free

G. A. Clark : Seymour, Ind.

World's Foremost White Wyandottes

have won the highest honors at New York, Boston and all the prominent shows in the United States and Canada, including the Alaska-Yukon Exposition. Send for circular and see who has been breeding the best winners for many years. All stock returned at my expense, if not satisfactory.

J. H. JACKSON, - Lock Box 88, - HUDSON, MASS.

Silver Campines Golden

Stock for sale in layers and exhibition birds. Satisfaction guaranteed. Catalogue free.

S. D. Hall Box 78 Seville, Ohio

S. C. Leghorns White

ONEIDA INDIAN REDS

Our R. and S. C. Reds made the most sensational win by winning more prizes than all competitors combined. We have show stock for sale. Illustrated catalog free.

ONTARIO VIEW POULTRY YARDS - - - ONEIDA, NEW YORK

Rose Comb Reds



The finest lot of REDS ever offered for sale. All have that dark rich, brilliant color. A fine exhibition male from $10.00 to $25.00, a beautiful dark red female $5.00 to $20.00, all sired by our Pittsburgh, Chicago and Boston winners. If you are looking for a show bird and want one that will win don't be afraid to write us. A few breeding females at $2.50 each. Everything sold on approval.

Simmons & Crittenden Geneva, Ohio



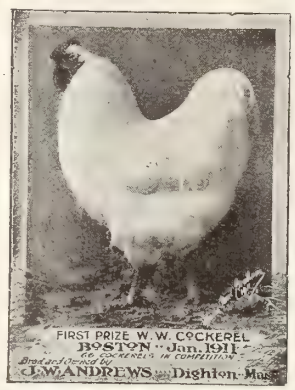
J. W. Parks' Strain

BRED-TO-LAY
BARRED PLYMOUTH ROCKS

I Have Produced Some of the WORLD'S GREATEST LAYERS

Choice breeders, $2.00 and $3.00 each; Pedigreed cock'ls, $5.00 each. 1,000 breeders to select from. Descriptive circular free.

O. F. Mittendorff : : Lincoln, Illinois



Andrews' White Wyandottes

Win at Boston, First Pen Six times in past 7 years.

1st Cockerel 1910, 1911, 1912
2nd Cockerel 1910, 1911, 1912, 1913

Let me quote you prices on a winning show bird or fine breeder. Send stamp for catalog.

J. W. Andrews, Box A, Dighton, Mass.

Fluffy Ruffles Barred Rocks

The World's Champ. Strain Continues to Win Wherever Shown

"FLUFFY RUFFLES"---The $1,000 hen, and her kin have won for me and my customers more prizes at Madison Square Garden, N. Y., in five years than any other strain.

This record does not include Specials or winnings of my customers. No other pullet line has ever equalled this continuous win.

"Fluffy Ruffles" Strain is Winning Now for My Customers, for Me, and Will Win for You.

I am in a position to furnish from this WORLD'S CHAMPION FEMALE LINE choice selections of STOCK or EGGS to all those wishing the BEST. My line of males for this season is headed by the 1st Cock at Madison Square Garden, 1911. This winning stamps him as the finest specimen of this variety in the world. For prices of the above phenomenal strains write, mentioning Am. Poultry Journal.

WELLESLEA FARM POULTRY YARDS
C. H. Welles, Prop. -:- Stratford, Connecticut

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90 PER CENT SHOW PRIZES

TECKTONIUS' STRAIN BUFF LEGHORNS

Highest Market Prices



Are Good for the Big Chicago Show



For seven years my **famous birds** have captured **90 per cent of first and second prizes, cups and specials at all big poultry shows.** The "TECKTONIUS STRAIN" so surely has the **habit** of "coming back," that this year some of my best customers—buyers of my high-grade stock—have asked **me not to show at Chicago** in December. **They want a chance.** Therefore—unless my line is already sold—**I will not exhibit at the Chicago December Show.** Just now, am offering

Unrivaled Bargains in Single and Rose Comb Leghorns

—For quick acceptance: **Special values** in $10 and $15 trios and pens, Single Comb Buff; especially good values in $3, $5 and $10 Single and Rose Comb males; extra good values in lots of twelve Single Comb females, mated to one male—utility grade—price $18 for thirteen birds. This offer **good** only until **November 15th.**

Scientific mating methods have made my Buff Leghorns "rulers of the roost." What I have done for the "TECKTONIUS STRAIN" **you can do for yours.** Care and persistence have made **"Tecktonius Buffs" ace high winners** in **market** and **show. My handsome illustrated catalog**—sent postpaid, 25c, coin or stamps—shows you how to put **your birds** in **the same class.**

Get some "TECKTONIUS STRAIN" **pedigreed stock**—the **world's feathered aristocracy**—into **your flock**—while my prices are **away down.** They will show you how to get in the best prize winning, show room, and general utility class—decrease sickness in the flock—increase percentage of fertility—grow strong, early maturing chicks—breed beautifully shaped birds—reduce cost of feed—increase productiveness—and to get a **Buff** Leghorn that is really **buff**—that lays the same, regardless of climatic conditions or moulting periods, is easy to domesticate, and that **thrives** under **any conditions.** Get the "TECKTONIUS STRAIN" and you will have **the best there is** in Single and Rose Comb Buff Leghorns. Do you know about the **"Tecktonius & Reed Single and Rose Comb Buff Leghorn Farm?"**

After October 1st, 1913, the **"Tecktonius" Farm** will be known as the **Tecktonius & Reed** Single and Rose Comb Buff Leghorn Farm—breeding, exclusively, Single and Rose Comb Buff Leghorns. Mr. B. C. Reed—**professional** in the care and rearing of featured stock—will be my partner in the **further development** of the now world's best "TECKTONIUS STRAIN" Buff Leghorn. "TECKTONIUS" Single and Rose Comb Buff Leghorns are a **safe and sure-return investment** for any poultryman. With maximum, or minimum care—in the best, or the poorest quarters—in show room or market—summer or winter—**they will earn money for you**; they CAN'T HELP IT.

Tecktonius & Reed Buff Leghorn Farm **Route 7** **Racine, Wisconsin**

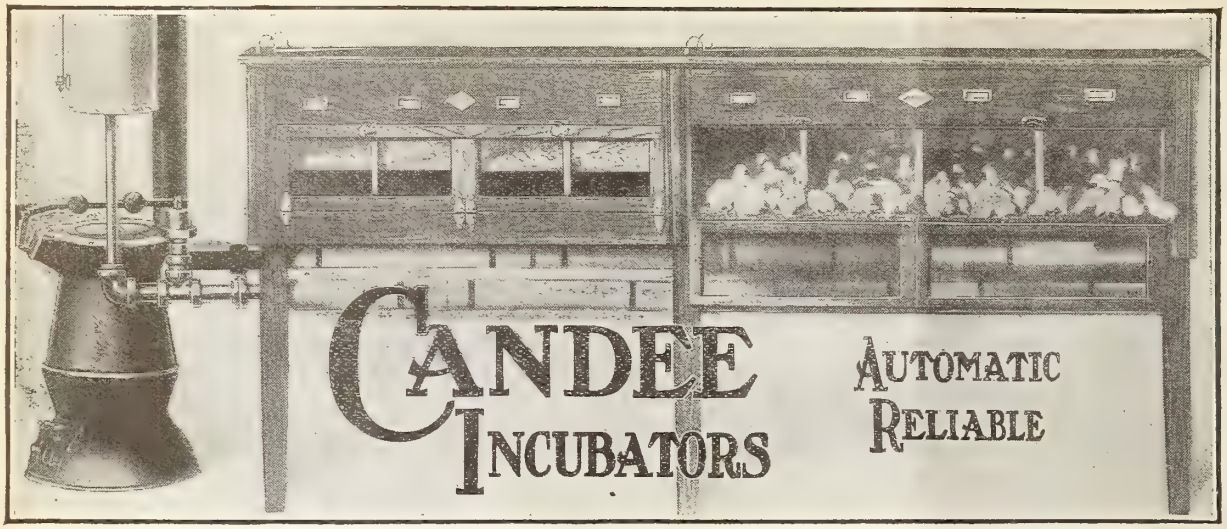
Rudy's Perfection White Wyandottes

Breeding Conservatively, producing birds of standard type, pure white color, egg laying qualities, that's Geo. Rudy's Specialty

At the great Mid-West Chicago Show last month, Rudy's display of 60 Perfection White Wyandottes consisting of 40 male birds and 20 females of uniform type and color attracted the attention of all visitors.

You can't get better quality—better Treatment—better satisfaction anywhere. All birds sold subject to approval. Egg orders booked now. Mating list furnished. Send for handsome illustrated catalog telling all about Rudy's Perfection White Wyandottes—how he raises them—where he raises them and how he sells them. Address

GEORGE H. RUDY **Route 15** **MATTOON, ILLINOIS**



Only the Candee has All these Features

1 Exact even temperature all all the time
2 Safety from fire
3 True sectional construction
4 Easy, quick installation
5 Extra sections added at any time
6 Automatic safeguard against overheating
7 A proved successful record
8 Every size a success
9 Nursery under the egg trays

Simplest to Install
Simplest to Operate

A Candee 1200-egg size, shown in the illustration, is uncrated, set up and ready for the eggs in a day.

The heater is tended twice a day, the same as any coal stove. A compartment regulator is adjusted once for a hatch.

In the Candee, the heater regulator automatically regulates the fire—nothing else, only what any heater regulator should be called upon to do.

Each 300-egg compartment has its own automatic regulator to control the heat in that compartment only. A slight turn of a thumbscrew makes the adjustment. This regulator automatically controls the flow of hot water in its egg chamber, increasing or diminishing it as needed—making unnecessary the raising or lowering of the trays by hand.

Solves the Labor Problem

The Candee does automatically the work heretofore done by hand. One heater takes the place of the oil lamps and the automatic compartment regulators take the place of the hand regulation of the egg trays.

On top of this, Candee operators say that they get larger hatches and better chicks than they ever did before. Their financial returns last season were so satisfactory that more than a third have already ordered extra sections.

Almost Everybody is Buying the Candee

It seems so, the way orders are coming in.

The Long Island duck district is solid Candee.

More than a dozen State Universities and Government Stations are teaching their poultry students modern methods on the Candee.

1914 Candees are going up into the Great Northwest, the Middle West, the South, and all over the country in the poultry centers. The recommendation of one customer sells another.

No wonder there are more Candees in use than all other mammoths combined.

Why not buy what the great majority are installing?

Why Experiment?

Every Candee ever built has always had the patented automatic water regulation. No other incubator can be built that way.

The triumph of the Candee principle has been overwhelming. It is considered as far in advance of other types as the coal heater was an improvement on the oil lamps.

Why do by hand what the Candee does automatically?

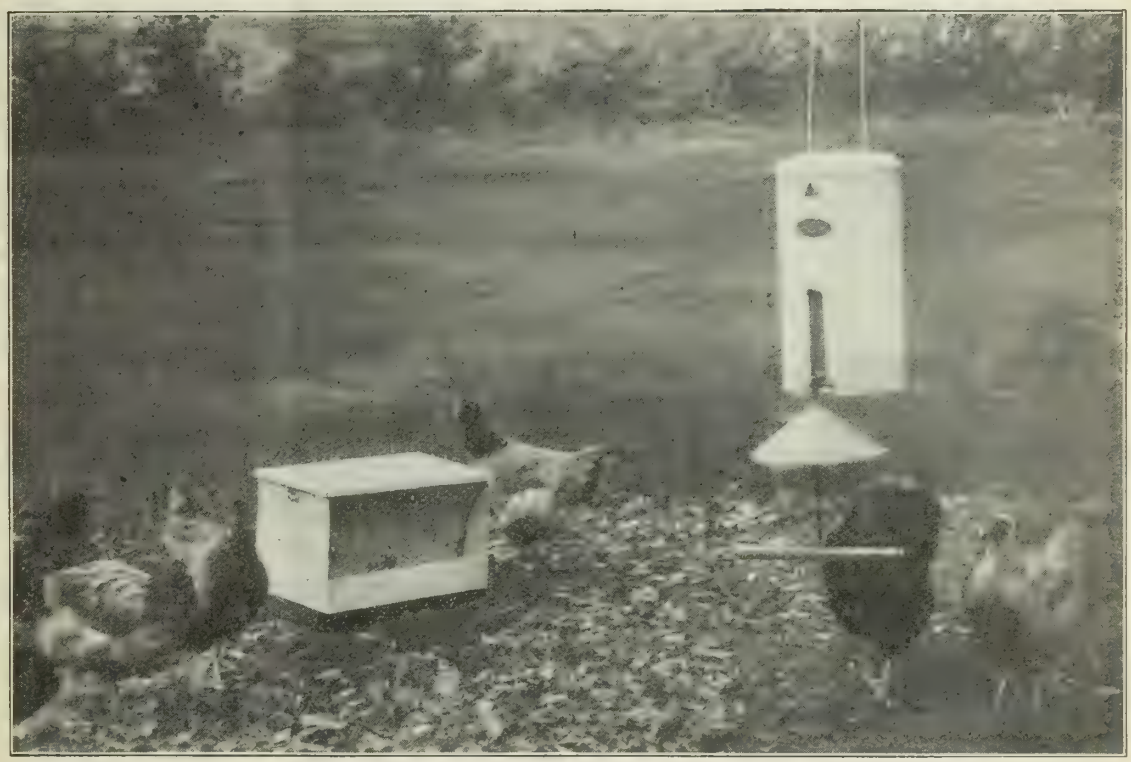
Have You Seen Our New Catalog?

This 108-page catalogue is illustrated with pictures of hundreds of farms from Coast to Coast, where Candee equipment is used. It describes all sizes of Candees from the 1200-size to the 50,000-egg capacity installations. If you wish to keep in touch with the most modern methods of incubation, send us your name and address and the catalogue will be sent to you by return mail. Write to-day.

Candee Incubator & Brooder Co.
Dept. 2 Eastwood, N. Y.

Gillette Poultry Hoppers

SOME of the most profitable flocks of poultry in the world are fed by the Gillette Poultry Hoppers. On the successful roaster plant of Fessenden & Allen over 200 Gillette Hoppers are doing the work of a practical man. It takes exceptional ability to raise winter chickens, yet the Gillette Hoppers are feeding these chickens from the time they are three days old, successfully and economically, far more efficiently than by hand.



THE GILLETTE HOPPERS AT WORK ON THE RANGE

The list of Gillette users embraces plants in every part of the country. These plants, owned or managed by men of keen ability, have adopted the Gillette Hoppers only after careful consideration. Their sentiment is invariably expressed as follows:

F. W. Morse Co., Seekonk, Mass., Dec. 8, 1913.
Providence, R. I.

Dear Sirs: I am not often disposed to commend in writirg any article and as a rule refuse to lend my name to the indorsement of any Poultry House Fixtures or Furnishings, but in your Dry Mash Hopper I have found such absolute satisfaction and advantages that it is a pleasure to commend it. I am discarding all other Hoppers and providing yours for my fifteen hundred hens.

Very truly yours, L. L. PALMER.

The Gillette Ground Grain Hopper solves the Dry Mash problem. This is due to the Gillette method of agitation. The vibrating flexible sides bring down the grain as fast as the birds eat and no faster. Waste and Clogging are eliminated entirely.

The Gillette Hard Grain Hopper eliminates all hand feeding. It responds to the appetite of the birds, it feeds them just as nature intended, a little at a time during the day, with every opportunity to secure a full crop just before going to roost. It fulfills the requirements of every bird, a tremendous task to perform by hand.

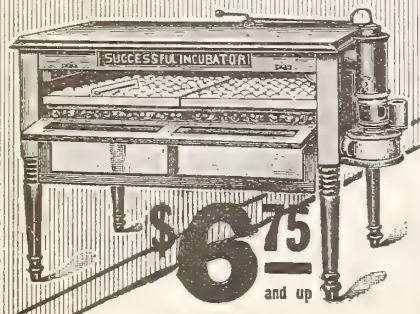
The Gillette method of agitation and regulation used in connection with the ball-bearing bait-bar shaft makes all this possible—therein lies the essential difference between the Gillette and all others. Whether you have ten chickens or ten thousand, you surely will want to investigate the merits of the Gillette Hoppers at once. Ask your dealer to show you our line of Hoppers.

We guarantee satisfaction or refund you your money.

Write today for our circular. It's free for the asking. Mention A. P. J.

FRED W. MORSE CO., Manufacturers, PROVIDENCE, R. I.

Read this Page—Then You'll Know What Kind of an Incubator to Buy—



There Are 20 GOOD REASONS Why You Should Buy a "Successful" Incubator In Preference to Any Other Hatching Machine.

18 of These Reasons are the Features of Superiority Printed Below. The Other Two Reasons Are Records for Larger Hatches and Our Low Price Offer.

I WISH everyone interested in the *big profits* to be made from the poultry business, especially those interested in incubators and brooders, could see this page announcement of mine.

Probably it would mean the saving of *many dollars* to them, the saving of *many hatches*, the saving of a lot of *trouble, time and annoyance*—by keeping them from buying a cheaply constructed or poor incubator.

You know there are two kinds of incubators on the market. One built merely to sell for a low price—the other built to hatch the greatest number of chicks from the eggs put into it, do it year after year as long as the incubator is in use, and sell at a price that anyone can well afford to pay.

The latter exactly describes my

Successful Incubators—Successful Brooders

Life Producers **Life Preservers**

I do not promise you impossible things. But what I do promise is that a "Successful" will hatch *larger* and *stronger chicks* and a *larger percentage* of them than any other incubator in use anywhere. No other machine is so big a money-maker—none other so big a profit-payer.

This is no idle statement. The special construction of my Successful Incubators, combined with exclusive points of merit, go to make an incubator the equal of which has never been manufactured. You can see this for yourself in the detailed description of the hatcher.

If you are anxious to get into the poultry business, to make a good living out of it, and *want to start right*, you will make no mistake buying a Successful Incubator.

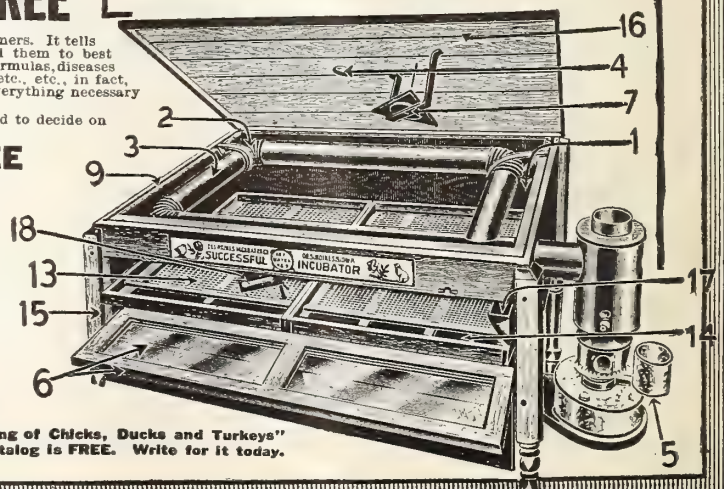
With the "Successful" no experiments or trial hatches are necessary—you'll have no failures.

We also have **"High Grade Poultry"**—stock and eggs of all the leading varieties—land and water fowls.

Successful Grain Sprouter made in sections—capacity 50 to 600 hens—keeps your fowls laying all winter—when egg prices are up. Furnishes green food in coldest weather—will enable you to get three bushels of fresh, succulent, egg-making green food from one bushel of oats, wheat or rye. It sprouts grain in 24 hours. Send for free booklet.

Here Are 18 Features—Any One of Which Should Make You Buy a Successful

1—The only hatcher that heats the colder edges of the body first.
2—Round corners on tank, giving faster current, more even heat, better regulation.
3—Heaviest copper tank used on any incubator.
4—Only one scientifically ventilated. Admits cold air at center of top. Does not create draft which dries out eggs.
5—Safety attachment on lamp burner—provides absolute protection from fire.
6—Only incubator with two glass doors—through which thermometer may be seen.
7—Combination water thermostat regulator.
8—*The only machine guaranteed with a guarantee that guarantees and evades no issue.*
9—Built like a refrigerator.
10—Case non-warpable.
11—Weighs more.
12—Cost less per pound.
13—Strongest, most durable egg trays.
14—Nursery under egg trays. The greatest feature applied to artificial incubation.
15—Detachable legs, allowing machine to be stored in very small space.
16—The only incubator in the world cabinet made.
17—Simple, effective application of moisture when necessary.
18—Adjustable thermometer. Never necessary to open doors or pull out the trays to read temperature. Thermometer is stationary; chicks cannot knock it over.



$25.00 Poultry Course, FREE

This course contains the most practical advice ever given to beginners. It tells how to produce poultry and eggs at lowest cost, explains how to sell them to best advantage; all about poultry house construction, many different feed formulas, diseases of poultry and their remedies, how to raise ducks, geese, turkeys, etc., etc., in fact, takes you from the beginning to end of the business, revealing everything necessary to insure you more profit from poultry.

If you are thinking about buying an incubator, don't be persuaded to decide on any make until you write for my

Successful Catalogue—It's FREE

—and learn what I have to offer you. My book tells all about various incubators and brooders. It gives you a good idea of the advantages of each, what size to buy, etc. It is frank and comprehensive—free from all exaggerations—and tells you just what steps need be taken to insure success.

Write for my book if only to get my low price offer and to read page 6 which contains my guarantee—the strongest guarantee ever put behind an incubator. Don't buy an incubator that guarantees less. Don't fail to ask for prices on Successful Brooders—the only brooders made with automatic heat regulator, therefore, the best chick preservers. Address

J. S. GILCREST, Pres. and Gen. Mgr.

DES MOINES INCUBATOR COMPANY

1 Second Street, Des Moines, Iowa

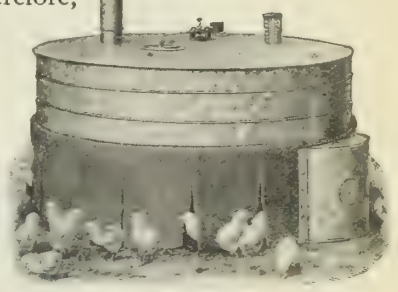
NOTE—Our famous little booklet, "Proper Care and Feeding of Chicks, Ducks and Turkeys" —worth its weight in gold—sent for 10 cents. But our big Catalog is FREE. Write for it today.

STANDARD LOW-COST BROODING DEVICES

FACTS TALK, not mere "claims," and this company *always backs up with facts* every claim it makes for its goods—backs up its every claim *with proof* in the form of *signed* and *dated* reports from *satisfied customers,* from men and women who have "paid their good money" for our products and who know, therefore, from *actual, personal experience* whereof they speak or write.

CYPHERS PORTABLE HOVERS

If you, Reader, are looking for a *low-cost method* of brooding the early chicks you are planning to raise—either home-hatched or bought as day-old chicks—you *cannot do better* than invest in a Cyphers Self-regulating, Self-ventilating, All-metal PORTABLE HOVER. See accompanying illustration, also footnote. Please read the *sample reports* herewith and write today—now, before you forget it!—for our latest (1914) large-size, PORTABLE HOVER CIRCULAR, telling "When, Where and How To Use" for best results.



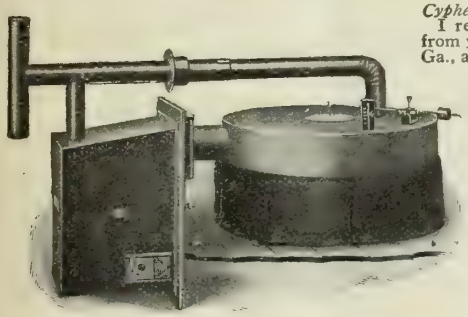
Cyphers Portable Hover

Set it down Anywhere Indoors and you will have a Safe and Comfortable Place for the Little Chicks. "Movable" at a Moment's Notice without even turning down the Lamp Flame. No steps or Inclines that Chicks Must run up and down. Weighs 35 Pounds in use. Price, Complete, Safely Boxed, $8.50 free on cars at all our Places of Business, except Oakland and London. Oakland F. O. B. price, $9.50. Entirely Safe to order a sample from this advertisement.

Kendal Green, Mass., July 16, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—
The four Portable Hovers you shipped us have **proved very satisfactory.** We regret that you could not at the time furnish us with ten more of these hovers, for we are sure they would have proved of considerable financial benefit to us. We have ten hovers of an **inferior make** which we were obliged to purchase, not being able to obtain yours, **and we are now disposing of them** to make room for the Cyphers Portables. Of the twenty-five hovers in our modern, latest-style brooder house, fourteen are Cyphers and the remaining ten **are to be exchanged** for Cyphers the coming season.
G. L. & W. L. HAGER.

Maple Beach, N. Y., September 4, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—
I have five of your Self-regulating, Self-ventilating Portable Hovers and consider them wonderful. Have never had a bit of crowding in these hovers and not one chick has smothered. **All were strong and vigorous.** We kept a record of two of the hovers and out of 295 chicks placed in them, **not one died.** Morning after morning we would find **every chick alive and healthy.** These hovers are both self-regulating and self-ventilating, as you claim, and ran like clock work. During **the entire season** they never smoked or bothered us a bit. W. W. FENNO.

College Park, Ga., May 3, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—
I recently purchased nine Portable Hovers from your agent, H. G. Hastings & Co., Atlanta, Ga., and **am more than pleased with them.** I have used a number of the different makes of brooding hovers on the market, including the ——, —— and ——, but yours **is far superior to any of these.** They are self-regulating, automatic in ventilation, convenient to use and being all-metal and substantially made **will last for many years.** RESTHAVEN POULTRY FARM,
F. O. Alexander, Prop.



Cyphers Adaptable Hover

Fire-proof, Wind-proof, Insurable, Self-regulating and Automatic in Ventilation. Best Device in World's Markets for Use in Home-made Brooder Cases, Colony Coops, Roosting Coops and Portable Houses. All Metal and will last Many Years. Price, Complete, Safely Boxed for Shipment, $8.50 free on board cars at all our Places of Business, except Oakland and London. Oakland F. O. B. Price, $9.50.

CYPHERS ADAPTABLE HOVERS

The All-metal, Fire-proof, Self-regulating and Self-ventilating ADAPTABLE HOVER, illustrated herewith, is the recognized "standard brooding device of the world" for use in home-made or factory-built brooder cases, colony coops, large-size roosting coops, portable or stationary poultry houses and in long brooder houses equipped with rear aisle or passageway. Have been used for years in *tens of thousands* of Standard Cyphers Outdoor and Indoor Brooders and *never yet* has one of these Hovers been returned to us *as being unsatisfactory.* Are sold on basis of "personal satisfaction guaranteed."

PLEASE READ the three *sample reports* herewith and *write today* to *our nearest place of business* for 1914 special, large-size ADAPTABLE HOVER CIRCULAR, which tells "When, Where and How to Use" to best advantage.

Vulcan, Mich., June 25, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—
I am perfectly satisfied with your Self-regulating Adaptable Hovers. We **set one up in a dry-goods box,** and although the weather was very bad, we raised nearly all our chicks. **Cannot say too much in favor of these hovers.** Only wish I had had half a dozen of them so I could have raised a larger number of chicks. Your Adaptable Hovers **save lots of worry**—and there is **no danger of fire** or of chicks **freezing to death** if these hovers are used.
CHAS. A. ALBERT.

East Derry, N. H., July 15, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—
The two Adaptable Hovers purchased from you last winter have proved more than generally satisfactory—"wholly satisfactory" is the least I can say. Your Adaptable Hover **warms the air without polluting it** and is really a perfect "warmer" **in cold, wintry weather.** We have very severe winds here during the winter and early spring and **sudden changes in temperature,** but these self-regulating brooding devices **seemed to care nothing for that.** The above facts, gladly stated, simply confirm the claims you make for these brooding devices. R. W. SKIRROW.

Algonquin, Ill., June 28, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—
I bought three Adaptable Brooding Hovers from you this spring and **would not again try to raise chicks without them.** They are easy to regulate and keep an even temperature, **which chicks surely need.** I had 160 chicks in a coop 14x16 feet and the outside temperature **went down below zero** in February, but they were as happy a lot of chicks, thanks to these Cyphers Adaptable Hovers, as if it had been 80 degrees in the shade. I raised over a thousand chicks this season and a very small per cent. died.
CHAS. C. NASON.

Reader, if YOU, personally, have not already sent for a *free copy* of our 52-page (7¼ by 10 inches) booklet, "Best Methods of Brooding," be sure to do so *without delay.* It goes into the subject fully—*telling you in detail* what to do step by step and *day by day* in the proper care of chicks and ducklings. It is FREE, postage paid, and should be worth a great deal to you in your poultry work. Address nearest office of

Cyphers Incubator Company, Dept. 721 Factory and Home Offices, **Buffalo, N. Y.**

BRANCH STORES AND WAREHOUSES: NEW YORK, N. Y. 41 Barclay St. | BOSTON, MASS. 12-14 Canal St. | CHICAGO, ILL. 329-331 Plymouth Court | KANSAS CITY, MO. 317-319 Southwest Boulevard | OAKLAND, CAL. 2127 Broadway | LONDON, ENGLAND 121-123 Finsbury Pavement

Local Agents Wanted. No Capital Required. Write to Nearest Branch House.

Fishel's World's Best White Wyandottes

have again demonstrated the fact that they are the dependable strain



At Cincinnati, Ohio, December 1-7, 1913, in the strongest show ever held in that city, they won:

First, Second, Third and Fourth Cock.
First, Second and Fourth Hen.
First, Second, Third and Fourth Cockerel.
First, Second, Third and Fifth Pullet.
First Old Pen.
First, Second, Third and Fourth Young Pen.
Sweepstakes for Best Cock bird in the American Class.
Sweepstakes for Best Pen in Wyandotte Class.
And Several Cups and Specials.

IS NOT THIS CONVINCING PROOF

Considered with the fact that for years they have been outclassing all rivals wherever shown, that Fishel's blood lines are right? Fishel's World's Best Strain is the product of a life time devoted to the perfecting of this most beautiful and profitable of all breeds of poultry,

THE WHITE WYANDOTTES

Our stock is all grown on free range where every individual bird has room to roam over large fields and pick up nature's food, thus insuring a vigor never found in birds reared in enclosed pens. We grow these beautiful and profitable birds by the thousand and devote our entire time to this work. We can supply your every want, be it an individual show specimen to fill your weak place, or an entire show string, or a breeding pen, and our prices are very reasonable, quality and established blood lines considered.

Why experiment and face disappointment when for a very little money you can get the benefit of our years and years of careful line breeding that has for years and will for years to come produce the prize-winning birds.

SEND TWENTY-FIVE CENTS FOR ELABORATE CATALOGUE

J. C. FISHEL & SON. Box J, HOPE, INDIANA

The Biggest Shipment of Mammoth Incubators ever made to one Poultry Plant



5 Carloads of HALL INCUBATORS

for the

Pittsfield Poultry Farm Co., Holliston, Mass.

This Company started with two 6,000 capacity Hall machines in 1909; in 1911 added 12,000 more and now possess a combined total egg capacity of nearly 100,000. Read what they say about Hall Equipments:

PITTSFIELD POULTRY FARM COMPANY

HOLLISTON.MASS., Nov. 10th, 1913.

The Hall Mammoth Incubator Co.,
Little Falls, N.Y.

Gentlemen.-

Now that our new installation of incubators at our big HOLLISTON PLANT is practically completed, it is a fitting time for us to express our satisfaction with your equipment. They have given us the very best of satisfaction from the very start. They not only give us excellent hatches at any time of the year whenever the eggs are in suitable condition as to fertility, but the hatches also run very uniform, one compartment has no advantage over another, showing that the principle of your incubator is absolutely correct.

At no time do we see chicks that are over-heated or chilled come from these machines. They are all good vigorous quality and the kind that makes poultry breeders happy, and it is no doubt the quality of these chicks as hatched that has helped us to build up the reputation of PITTSFIELD STRAIN. We have been able to ship our chicks to all parts of the country, making some very remarkable deliveries.

To be specific as to hatches, we may say that last season our hatches averaged about 70% of all the eggs set. Of course, this would not be considered a remarkably big percentage on some breeds, such as the Leghorns and other smaller breeds, but I think you will agree with me, is very good percentage indeed for medium heavy breeds like the Plymouth Rocks.

As you know, we made our first experiment with Hall Incubators by buying two 6000 egg machines. These, of course, we found in a very short time to be much too small to handle our growing trade. The following year we added on to our cellars and installed a 12000 egg machine. The next year it was our intention to install another 12000 machine, which would have given us

Page 2—Pittsfield Poultry Farm Co.

36000 egg capacity, but we had at that time an idea that we would develop our business in a different way, along the line that we have developed this summer, so decided to hold up on the purchase of further equipment until these plans were fully worked out in our minds. The results you know. The same being the erection in Holliston, Mass., of one of the largest poultry breeding establishments in the world.

The 82500 capacity of Hall Machines that we have installed at Holliston, Mass., this summer should be absolutely convincing proof to the outside world that we have every confidence in your equipment.

We have tried no other equipment in the Mammoth type of machines, but at the same time, we have been watching the different machines that have been put onto the market, at the poultry shows and at other opportunities, have examined them closely and it is our opinion that up to date at least, there is no machine that can equal the "Hall."

We have also, as you know, had excellent success with the pipe brooder system which we installed in our PITTSFIELD PLANT, but think that this system will be speedily supplanted by the HALL COLONY BROODER SYSTEM, which we tried out to a considerable extent last summer and found to be quite satisfactory. Without any doubt, we shall install the colony system on our new plant in Holliston, Mass., and of course it will be the Hall Equipment.

Kindly allow us to take this opportunity to thank you for the very great courtesy that you have shown towards us in the past and that you are continuing to show for the very excellent service that you render us. It is very much of a pleasure to do business with you. We assure you that with our present knowledge of equipment any extensions which we make in the future will certainly include the "Hall."

Yours very truly,

PITTSFIELD POULTRY FARM CO.,
F. W. Briggs, Treasurer.

FWB—FS

No more convincing proof of superiority and reliability of *Hall Equipments* could be conceived. The Pittsfield Poultry Farm Company of Holliston, Mass, and Pittsfield, Maine, has grown from a very small beginning to one of the largest Poultry Plants in the East, if not in the whole country. Its success has been largely due to *Hall Equipments.* It stands to reason that a concern hatching upwards of 250,000 chicks per annum, doing both custom hatching and day-old chick business in addition to rearing and maintaining a large flock for its own use, would not continue to buy *Hall Equipment* from year to year unless it had proved its superiority, economy and reliability. *Write today for detailed information.*

"Approved By The Fire Underwriters"

Hall Mammoth Incubator Co.

132 Southern Avenue **Little Falls, N. Y.**

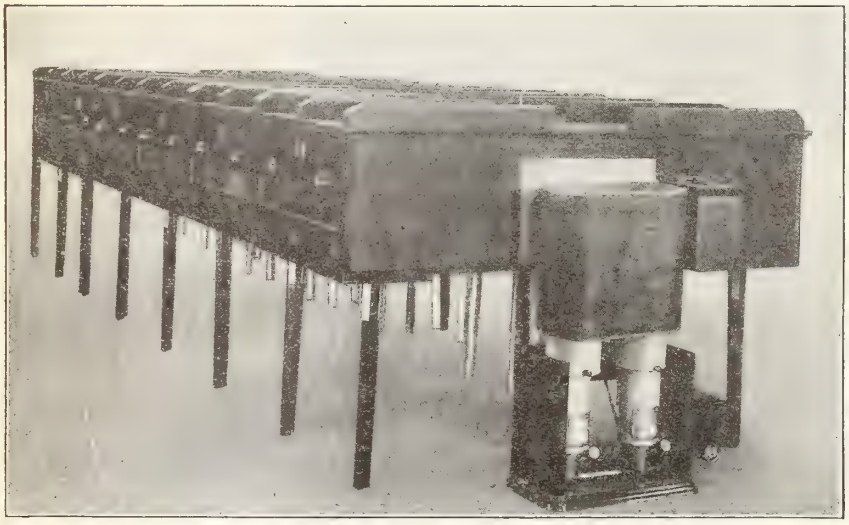
HERE IT IS!

All Reliable Authorities in the Poultry World Assert That the Best Way to Succeed is to Start Small and Grow Big

And when it comes to incubation, it is now clear that a single heating unit is more easily, economically and quickly managed than when many heating units are used. These are two great requirements, and to meet them successfully is the aim of

Schwalge's Hot Air Sectional Incubator

(Patent Pending)



This is the only Sectional Mammoth Incubator on the market

It is made in two styles: style A is divided into 150 egg sections and style B is made in 500 egg sections. The beginner can start with either size. Style A can be successfully increased to 1500 eggs, and Style B to 5000 eggs, as desired. The extra sections can be added in a few moments, and this can be done without shutting off the heat or disturbing the hatch in any way.

Schwalge's Hot Air Sectional Incubator is the only mammoth hot air machine and does not require a steam fitter to install it. You simply uncrate it, screw on the legs, attach the regulators and it is ready for operation. By this simplicity it can be sold cheaper than any other mammoth machine on the market. It is designed to hatch any kind of eggs—hens, ducks, geese, turkeys, etc. Each section has its own regulator and the heat is under perfect control no matter how far the section is located away from the heat unit, just like a single small machine. Its exclusive ventilating device prevents the impure air entering the hatching chamber. For further particulars, send for catalog.

WM. SCHWALGE, Manufacturer Dept. A, ELMHURST, ILLINOIS

Buy Your Incubator of Chas. A. Cyphers

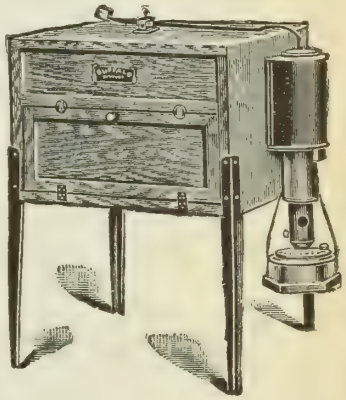


The Original and the Only "Cyphers" in the Incubator Business

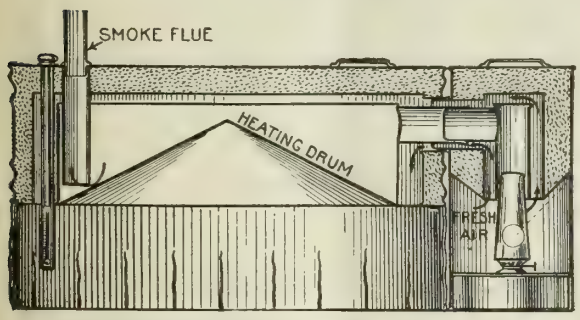
The Cyphers who is "The Recognized Authority on Artificial Hatching"—The Cyphers who made Commercial Hatching possible—The Cyphers who discovered the Cyphers Principle—The Cyphers whose Incubators Circle the world—The Cyphers who will sell you his latest creation, the "Buffalo" at .

HALF THE STANDARD PRICE

Every vital Principle that made my original Cyphers a world success is embodied in the "Buffalo". The same three-compartment heater; the diffusive ventilation; and sensitive and accurate regulation; combined with heavy insulation and durable construction. For Durability, Reliability and quality, the "Buffalo" is a wonder. "Buffalo" incubators insure you big hatches of strong chicks that live and are easily raised to make money for you. 80% of the output of "Buffalo" Incubators are sold to poultry raisers who must make a success of their work to live. 80% go to men who know; who have used my incubators in the past; who would use no others. **You can't make a better selection.**



THE BUFFALO HANDY HOVERS



Buffalo Handy Hover, 100 Chick Capacity

The Buffalo Handy Hovers are just what their name implies.

The Buffalo **"Handy"** is a floor level hover. You can set it any old place.

Sanitary—All galvanized Iron.

Heats Easily—Walls are heavily packed with good insulating material.

Uses But Little Oil—Flame burns with a white light, which indicates complete combustion.

Hottest at Outer Circle—Heat is brought lowest at that point.

Perfectly Ventilated—Heater is double with fresh air flue.

Handy—Just pick it up and set it aside to clean the floor:

Lamp flame can be seen without stooping. Lamp compartment or heater is attached to hover with "rolled-edge slip-joint," and is quickly detached for tending lamp.

Has all the good points of others, with thick walls and complete combustion added. Others are thinly insulated and are hard to heat. Other lamps burn a yellow flame, and waste oil. The Buffalo Handy Hover will heat 10 degrees hotter with same oil consumption; and in a room too cold to use any other hover.

Send Postal for fuller description.

CHAS. A. CYPHERS

President Buffalo Incubator Company

465 DEWITT STREET -:- -:- BUFFALO, NEW YORK

Their Superiority Again Proven

Not being satisfied with the winnings made by our White Plymouth Rocks at **22** of the **Largest Shows and 5 Exhibitions** we again have proven the superior quality of our fowls by winning

At Cincinnati, O.
Dec. 1913

Theo. Hewes and W. W. Zike, Judges



First, fourth and fifth cock, first, second, third, fourth and fifth hen, first, second, third and fourth cockerel, first, second, fourth and fifth pullet, first, second and third old pen, first, second and third young pen, grand special best display any and all varieties, silver cup for best two cocks, two cockerels, two pullets and two hens. Silver cup for best display Plymouth Rocks, grand championship cup for best Plymouth Rock cock, also hen, cockerel, pullet and pen.

This is surely proof that

U. R. Fishel's Wh. Plymouth Rocks

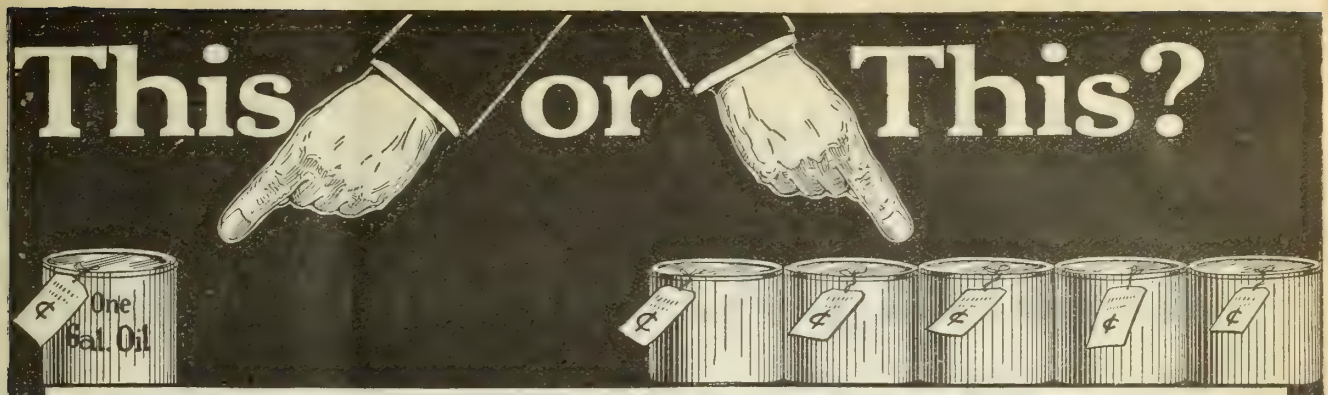
"The Best in the World"

are better this season than ever before. Why fool your time and money away on fowls that can not give you results, when you can buy line bred, farm reared, strong, vigorous fowls for the same price. **We have over eight thousand** to select from. **Selected breeders** and **Utility fowls** that will come as near producing two eggs a day as any fowl. **Send 25c** for 64 page book telling all about our 120-acre farm of White Plymouth Rocks. **Eggs, $10 per 15.** Sale stock eggs, $10 per 100. **Baby Chicks,** $25 per 100; $15 per 50; $8 per 25.

U. R. FISHEL - - Box A, HOPE, IND.



FISHEL'S "BEST IN THE WORLD" WHITE PLYMOUTH ROCKS, OWNED AND BRED BY U.R.FISHEL, HOPE, IND.



With X-Ray Incubator only **One** gallon for entire hatch.

With other incubators **Five** gallons required for hatch.

Let X-Ray Incubator Save You 4 Gallons of Oil on Every Hatch

The X-Ray actually makes this saving for you. Saves you 75c to $1.25 on every hatch—four to six dollars a season on oil.

It is the only incubator in the world that can do it. Why? Because the lamp is **underneath**—squarely underneath the egg chamber—where it ought to be. The lamp produces just the heat needed at all times—and all the heat is **used**. Used **properly**—evenly distributed—in the X-Ray and no other.

That's why it saves—saves you money—**insures** you far the largest per cent of your hatch.

There's no cold side. There's no overheated corner—just the right hatching temperature in every nook. It saves you oil. It saves you eggs—and that's not all. It saves you a world of work and worry. You fill the big 4 to 8 quart oil tank **just once**—at the beginning of the hatch. You don't have to bother with filling again. No more filling jobs until the hatch comes off. Think of that.

And that's not all. You don't have to bother with the burner either. The X-Ray is the machine with the automatic trip at the burner. It **works itself**—cuts down the flame if heat exceeds the need—lets out more flame if the temperature drops. It doesn't think, but it does better. It never "forgets."



There's a vast difference between the X-Ray — the scientific incubator and the old fashioned kind. 750,000 incubator users now know why the X-Ray is 100 per cent efficient on so many hatches—why a lot of old-time work is now unnecessary.

The X-Ray is the simplest, yet practically every feature is a special feature. Go over it, notice the two double glass panels in the top. You can look at the eggs any time without raising the lid or letting in cold air. Ventilate or turn eggs simply by raising lid.

It takes just 15 minutes to raise X-Ray to hatching temperature. 4 to 8 hours for others.

Our new factory at Des Moines is the largest exclusive incubator factory in the world, the most modernly equipped. Come and see it if you can.



And the X-Ray Brooder Just as Much Ahead

The lamp is beneath—same as in X-Ray incubator. It makes the difference between saving chicks and losing them. And that means poultry profits.

Fill Out the Coupon—Get Incubator Book No. 10 **FREE**

Fill out the coupon below. Do it today. Get our big Incubator Book. We'll guarantee that it is the most interesting work on Incubators you ever read. Shipped direct from factory. No agents employed. Send order direct to me.

We pay the freight.

X-Ray Incubator Co., Des Moines, Ia.

Send Me Your X-Ray Book No. 10

NAME_____

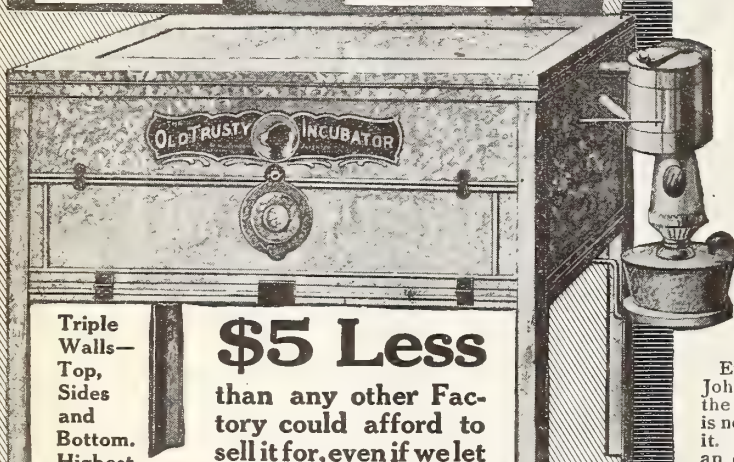
P. O. _____

R. R. NO. _____

STATE _____

Old Trusty Takes All The Mystery Out of Making Big Profits With Chickens

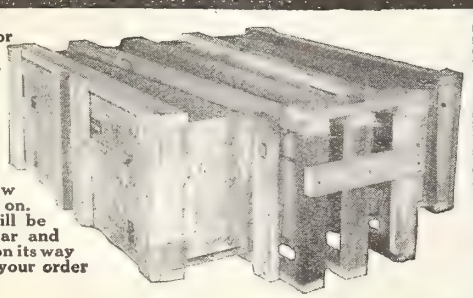




Triple Walls—Top, Sides and Bottom. Highest Grade Hatcher Made.

$5 Less

than any other Factory could afford to sell it for, even if we let them use Old Trusty patents. And Johnson Pays the Freight.



Incubator Crated, ready to ship—and ready to use when you unpack and screw the legs on. Yours will be put in car and started on its way the day your order comes.

WHY Experiment When You Can Be Sure?

Right now is the time to "stop, look and listen" before you buy your new incubator.

No matter what incubator you may be thinking about buying, you can not get away from this fact—the Old Trusty outsells all others three or four times.

Half a million people have bought this hatcher. I don't know how you would reason it out, but I believe that if that many people can decide on the Old Trusty, to keep their chicken profits up and their expenses down then their choice ought to be a pretty safe one to go by.

You cannot afford to experiment. Life is too short to be fussing around with uncertainties. You want profits. You are entitled to them and you get them quick and in big volume with the

OLD TRUSTY

Three or Four Times as Many In Use as Any Others —Big Hatches in Coldest Weather

The difference between the Old Trusty and all others is that it is simple—practical—and proves its worth right at the start. You can get good hatches with it at any time of the year—winter or summer. Your success does not depend upon your mastering a string of highfalutin instructions. Let others go in for experiment, but you get an Old Trusty and go in for profits.

Every buyer of an Old Trusty saves $3 to $5 because of the Johnson factory—the largest exclusive incubator factory in the world. But price is not my argument, for the Old Trusty is not built to meet a price. It is built as good as we can make it. Just to look at the picture the first thing that occurs to an experienced incubator user is that the top is clear. A mighty fine convenience for holding trays, etc. But there are many other good features such as the case with triple walls on all four sides, top and bottom. The iron is an exterior protection, the asbestos is an insulation and the California redwood forms the inner case. This wood, as you know, gets along without warping, shrinking or cracking.

Your Old Trusty Is Crated— All Ready to Ship

Prompt shipments are the regular rule here. Your Old Trusty will be on the way to you, freight prepaid, the same day your order reaches us. You can start your hatch right away. Bear in mind, the Old Trusty does not have to be rebuilt when it reaches you. Only the legs are removed, just to save space in shipping.

Address a Postal or a Letter or the Coupon and Mail Today to

Yours! The Book that Gave 500,000 People Real Profit

Making Ideas on Poultry

LET Me Mail It To You Quick—

I don't care what your ideas about making chicken profits may be, you can better yourself by reading a few chapters in the Old Trusty Book. It makes no difference whether you have been thinking about getting a new incubator, get the Old Trusty book anyway. You are interested in poultry or you wouldn't be reading this paper. You cannot fail to be more interested, and in a practical way, too, after reading the Old Trusty book. From cover to cover, it's all about chickens. It tells the inside facts on just the things you are vitally interested in. It shows the *real* A B C of making Poultry Profits.

Send In Your Name At Once—The Book Is FREE

100,000 more people will be making profits this year with Old Trustys. And poultry profits will be better than ever.

I will be glad to refer you to any Old Trusty owner anywhere. No matter how old his or her machine may be. The hatchers we sold ten years ago outlived our ten year guarantee. I've guaranteed them for another ten.

Get My Offer Based on 100,000 Sales This Year—Now Is the Time to Start!

Let me quote you on an Old Trusty, delivered, freight paid, to your station. Get your Old Trusty working right away—no need to wait till Spring. Old Trusty hatches in winter as well as in summer. Start NOW. You can have chicks making money for you when spring comes.

Remember, you make no experiment when you get an Old Trusty working. But whether you buy now or not, let me mail you the Old Trusty Book *free*.

Simply fill in the coupon and mail it. Or, if you prefer, write me a letter or a postal. Address

JOHNSON, Incubator Man
CLAY CENTER, NEBR.



Mail This Coupon Today

For the Old Trusty Book—Mailed Free

JOHNSON, Incubator Man, Clay Center, Nebr.

Please send me Old Trusty Book and quote me price for Old Trusty delivered to my station.

Name..... .....

Town..... State..... .....

What It Has Done for Others—the Rayo Will Do for You

Am much pleased with your machine I purchased last spring as a time and labor saver. 96% of fertile eggs hatched out every time.—*Mrs. Bowles, St. Clairsville, Ohio.*

Your Rayo is simply O. K. I just pulled off a hatch that clipped the best record here. I want you to know that I am more than pleased. — *Oscar Dixon, Takamah, Nebr.*

It's a fine hatcher and easy to take care of. Worth twice what you ask. — *Grace Jones, Center Point, Iowa.*

I made two hatches in the Rayo. I like it better than any other incubator I ever saw. I have a ..... incubator of 100-egg size which took four times the amount of oil and looking after. — *J. M. Hood, Albertville, Ala.*

I will say that the Rayo is the best I have ever seen. I made three hatchings with it and have over 400 chickens alive up to date. — *Ernest Johnson, Balaton, Minn.*

I count on more chicks with a Rayo—and I get them. I make money, too, on the oil I save —*Roy Best, Waverly, O.*

I am a mechanic and read how the Rayo was made. That's why I bought mine. Only lost one chick in my first hatch. That's going some, thanks to the Rayo. — *F. L. Lee, Indianapolis.*



Our Best Advertisement

The Thousands of Satisfied Users of RAYO Incubators Are Our Best Advertisement!

We've told you of the **superior** and **exclusive** features of Rayo construction over and over again. **We've** told you that because of this construction the Rayo boosts profits, slashes expense and cuts out the drudgery. **We've** told you, too, **why** the Rayo uses **only one gallon** of oil, where others use five. And **we've** told you that the Rayo **is** so nearly automatic that it practically **runs without attention,** while others require constant looking after.

Now let some of our **customers** tell you what **they** think of the Rayo Incubator. Read the notations from letters printed above, also the few letters below. They back up all our claims.

You can be sure of buying the right incubator if you get the

RAYO Incubator

Hundreds of experienced poultrymen will have no other and you can be safe in following their lead. The Rayo is especially recommended to beginners on account of its simplicity, reliability and certainty of producing best results. For instance, here's a beginner who

Won Big Hatching Contest With a RAYO

"The Rayo I bought of you won for me in the contest conducted by Successful Farming, which included practically all of the best makes. I had only 71 fertile eggs in the machine but I **got 71 nice, hearty chicks**, and **raised 70** of them. It never varied 3 degrees, and only used seven quarts of oil for two hatches." — *Mrs. Wm. Weaver, R. F. D. 1, Baltimore, Ohio.*

An Expert Breeder Orders Another RAYO

"I just made my first hatch this season and hatched **every fertile egg** with the Rayo I got last season. Enclosed find an order for another machine, complete. Send it as soon as possible, for I am in need of it badly, and I would like to have the agency for same, as the machine I have has 'skinned' all." — *David Crowe, Breeder of S. C. Rhode Island Reds, Hanna City, Ill.*

Beats All His Neighbors' Hatches

"I am well pleased with the Rayo Incubator. I have no trouble from start to finish—no lamp to fill every morning, as with other machines. The Rayo heat is regulated in less than one hour, ready for the eggs, but with other makes of incubators I have been from 12 to 24 hours regulating the heat. This spring with the Rayo I hatched the highest percentage of fertile eggs in this neighborhood. Everyone who has seen my machine likes the looks of it at first sight."— *James P. Cook, Morris Plain, N. J.*

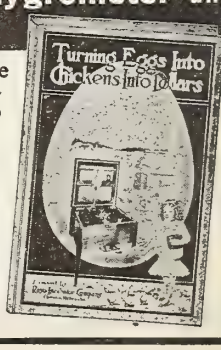
RAYO INCUBATOR COMPANY
1012 S. 13th Street **OMAHA, NEBRASKA**

A Better Incubator At A Lower Price

The "Rayo" requires only one filling to a hatch. Eggs and thermometer can be seen through double glass top, which raises for airing, cleaning and turning eggs. Lamp under egg chamber gives perfect radiation. Double wafer thermostat **acts on flame**—produces exact heat needed—**none thrown away.** Automatic ventilator. Strong redwood case, covered with steel, enameled like mahogany, makes it fireproof and handsome.

Write for Book No. 17 and we'll send you RAYO free sample hatching chart, **special low factory price** and combination offers.

FREE Hatching Chart, Hygrometer and Money-Making Book



Absolutely free, a sample of the Rayo Patent Hatching Chart. It tells what to do day by day during hatch. We also give you a $1.50 Hygrometer with each Rayo Incubator you purchase. **Book,** "Turning Eggs into Chickens Into Dollars" **FREE** and postpaid on request. This **FREE book** also tells all about Rayo Incubators and Brooders. Write for it and sample of only patent hatching chart in the world. Both are FREE. Get Book 17.

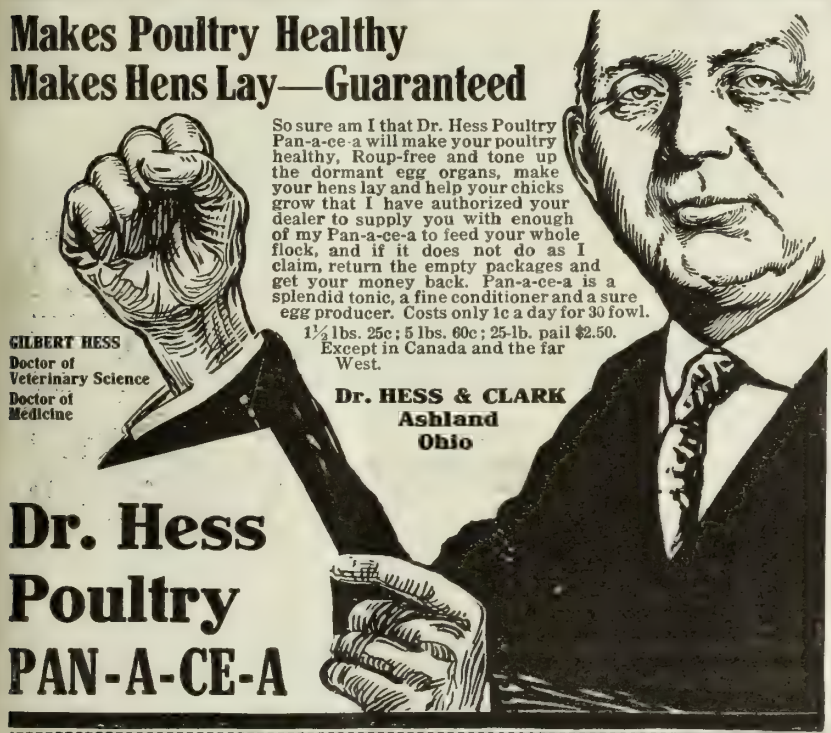
NO LIVING MAN

5TH YEAR — SEE THAT "XX"? POINTS THE WAY. START RIGHT. YOU END RIGHT

can hatch **one** egg the Magic Egg Tester rejects **before** incubation. We challenge the world to do it. Why put eggs under the hen or in the incubator that you are not first **sure** about? You **lose** if you do it. You are wasting the earliest and best hatching month if you delay its use. **Heed this warning,** or next May you will wish you had. "The Magic Egg Tester is the poultry raiser's *vade mecum.*" $2.00 each, and **and no further expense to use.** One year's trial, **fully guaranteed,** and cost refunded if not satisfied. Experimental specialists in incubation, giving the latest and best methods with each Tester. Circular mailed for the asking.

MAGIC EGG TESTER WORKS, Dept. B Buffalo, N. Y.. also Bridgeburg, Canada.

Makes Poultry Healthy Makes Hens Lay—Guaranteed



So sure am I that Dr. Hess Poultry Pan-a-ce-a will make your poultry healthy, Roup-free and tone up the dormant egg organs, make your hens lay and help your chicks grow that I have authorized your dealer to supply you with enough of my Pan-a-ce-a to feed your whole flock, and if it does not do as I claim, return the empty packages and get your money back. Pan-a-ce-a is a splendid tonic, a fine conditioner and a sure egg producer. Costs only 1c a day for 30 fowl.

1½ lbs. 25c; 5 lbs. 60c; 25-lb. pail $2.50. Except in Canada and the far West.

Dr. HESS & CLARK
Ashland
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GILBERT HESS
Doctor of Veterinary Science
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Dr. Hess Poultry PAN-A-CE-A

215 EGGS A YEAR

A flock of 31 Pullets grown from our Chicks averaged 215 Eggs a year in the hands of a customer-an amateur.

MOUNT PLEASANT FARM
SINGLE COMB WHITE LEGHORNS
BRED-TO-LAY

DAY OLD CHICKS EGGS FOR HATCHING

500 COCKERELS 2.00 EACH

We Guarantee Safe Delivery Day Old Chicks
We Replace all Infertile Eggs

MOUNT PLEASANT FARM
MT POCONO PA

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Think of it! The old reliable Progressive 155-Egg Incubator for $7.35. Money back with 8 per cent interest if not satisfied. Wonderful bargain! *Only incubator with hundreds of dead air cells.* Copper hot water boiler, double disc regulator, deep nursery, double doors, egg tester, safety lamp—*every big feature*—all for $7.35 freight prepaid E. of Rockies. Incubator and Brooder ordered together, $9.85. Send your money now, or, if you want more facts, write for our Big Free Book.



PROGRESSIVE INCUBATOR CO.
Box 135 Racine, Wis.

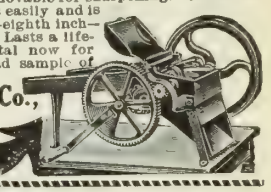
Feed Cut Clover For More Winter Eggs

Keep hens in *egg-a-day-class* all winter by feeding egg-making food. Cut clover, alfalfa, vegetable tops, etc., is cheapest and best poultry food.

"New Model" Cutter

Has four 7-inch high-carbon steel knives.

Knives easily removable for sharpening. Cutter bar adjustable. Runs easily and is geared to cut one-eighth inch—*the right length.* Lasts a lifetime. Write postal now for price, circular and sample of cut alfalfa.



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Anybody Can Hatch Chickens "With a" BUCKEYE

That statement means exactly what it says. It makes no difference what kind of incubator you have used before, nor whether you have ever used any at all. When you buy a **"BUCKEYE,"** you get absolutely the best there is in incubators. It will give you successful hatches every time. We are so sure about it that every machine we sell, no matter what the size or price, is absolutely

GUARANTEED

By your dealer and by us

To Hatch Every Hatchable Egg

Neither your dealer nor we would make such a sweeping guarantee if we did not know that the **"BUCKEYE"** will do all we claim. Made in five sizes—60-egg to 350-egg capacity. Over 325,000 in successful operation.

We want you to see the **"BUCKEYE"** before you buy. Let us send you the name of our nearest dealer where you can see the machine in operation. We will also send you our catalog, which tells why more than 1,000 dealers prefer to sell the **"BUCKEYE."** We are glad to answer any questions—we want to hear from you. Write us today.

THE BUCKEYE INCUBATOR CO.,
501 Euclid Ave., SPRINGFIELD, OHIO.

Made in 5 sizes and Sold As Low As $10.00



PFILE'S 65 Varieties

LAND and Water Fowls. Farm-raised stock, with eggs in season. Send 2c for my valuable illustrated descriptive **Poultry Book** for 1913. Write Henry Pfile, Box 600 Freeport, Ill.



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to have lousy chickens and stop their laying when you can drive out chicken lice with

Avenarius Carbolineum

One application a year guaranteed to keep your coop free from lice. Write for circular and testimonials

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WHITEWASHING

and disinfecting with the new

"Kant-Klog" Sprayer

gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free.

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With Banner Root Cutter

Keep your hens in top notch laying condition by feeding freshly cut roots. Lower your feeding cost and get *better* results.

Roots contain egg making material. Keep hens laying in winter. Banner Root Cutter works fast—cuts any vegetables to fine shreds, easy for chicks to eat. Low priced—easy to operate—pays back its cost quickly. Free Book—tells all. Mail postal today. Address



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Made in Seven Colors—Red, White, Blue, Pink, Amber, Black and Ruby. They mark your poultry so that you instantly know without handling, individual birds, one mating from another, and pullets from hens. Prices: 12 for 25c; 25 for 50c; 50 for 85c; 100 for $1.50.



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More Phosphorus and Less Protein!

"Hen-o-la" Dry Mash

Fed in conjunction with

"Hen-e-ta" and "Succulenta"

Requires Absolutely Nothing Else

Because the three make a *complete balanced ration*, rich in phosphorus.

The Lack of Stamina and Vitality

In the birds is the cause of 95% of the failures in the poultry business. Therefore see to it that you are one of the successful 5% this year by putting your birds on this economical scientific *horse sense* system that *produces* Stamina and Vitality; convince yourself by giving it a thorough trial.

Let us send you report from a leading experiment station that has fed 31,500 lbs. "Hen-e-ta" during the past four years, and is still feeding same.

The above system makes poultry-keeping wonderfully simple and cheap.

If your dealer will not supply you, please write us for full information and prices on "Hen-e-ta," "Hen-o-la" Dry Mash and "Succulenta" tablets—green food substitute.

Valuable Booklets Free

If you will give us your dealer's name and address.

HEN-E-TA BONE CO.

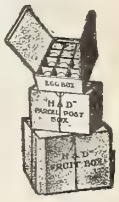
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Winners at Chicago, St. Louis and Indianapolis—Winners of Grove Trophy at meet of National Single-Comb White Leghorn Club, St. Louis, November, 1912. Stock, Eggs and Day-Old Chicks at prices consistent with quality. Catalog and Mating List for 1914 sent free upon request. **Eugene C. Smith, 317 Galena Boulevard, Aurora, Illinois**



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We make up boxes and cartons for any purpose. Write us what your products weigh, and size package you wish, for special prices. Send for free booklet, **"How to Pack It for Parcel Post."** Also write for free booklet of "H & D" Fireless Brooder.

THE HINDE & DAUCH PAPER CO., Dept. B Sandusky, Ohio.

Shields' S. and R. C. Reds

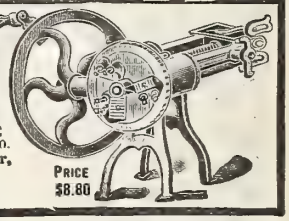
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STANDARD BONE CUTTER



is the only machine that cuts bone *across* the grain, securing greatest food value. Cuts green bone, dry bone, meat or gristle. TEN DAYS FREE TRIAL TO PROVE SUPERIORITY. Cut shows No. 9 machine, price $8.80. Many improvements in this cutter. 12 different sizes for hand and power, costing from $6.75 to $195. Write for free catalogue and free trial plan.

PRICE $8.80

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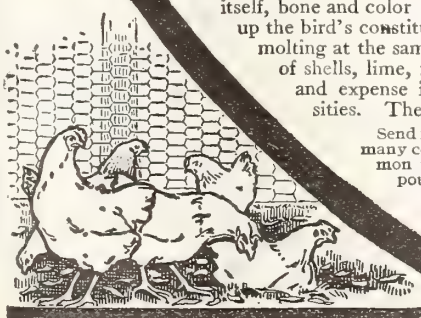
Help them get over it quickly— help them lay while molting—make them more profitable to you and save yourself time and expense by feeding—Pearl Grit.

It's a double purpose grit. It does all other grits will do and more too. It is clean, white, hard and sharp. It thoroughly grinds the bird's food and aids digestion.

PEARL "THROW PEARL TO POULTRY AND WATCH RESULTS" GRIT T.O.M.Co. TRADE MARK

Pearl Grit

is rich in egg and strength producing materials. Furnishes lime for shells, sulphur and carbohydrates for the egg itself, bone and color for beautiful plumage and builds up the bird's constitution so it can withstand laying and molting at the same time. Pearl Grit takes the place of shells, lime, magnesium, etc. It saves you time and expense in furnishing these egg-making-necessities. There's no other grit like it.



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Prize winners at Cleveland. Exhibition and breeding stock for sale. Satisfaction guaranteed or money refunded. When writing mention American Poultry Journal. Address

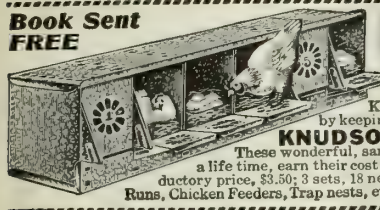
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I wish to say to the public that I am this season better prepared than ever to furnish winners for the coming fall and winter shows. They have the shape, color, markings and head gear that appeals to the most careful breeder. Also have good breeders at $3.00 to $5.00 each. Utility stock $1.00 each. Satisfaction guaranteed. Mention American Poultry Journal.

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HAPPY HENS EARN BIG PROFITS

Keep your hens happy, get more eggs, make them pay you better by keeping them free from lice and mites, by equipping laying houses with

KNUDSON Galvanized Steel LICE PROOF NESTS

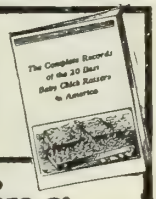
These wonderful, sanitary, *patented* nests (not a trap nest) can't get out of order, last a life time, earn their cost many times over. Regular price, $3.90, set 6 nests—special introductory price, $3.50; 3 sets, 18 nests, $10. Write for *free* catalog, Gal. Steel Brood Coops with Runs, Chicken Feeders, Trap nests, etc. **Knudson Manufacturing Co., Box 570 St. Joseph, Mo.**

HOW TO RAISE BABY CHICKS

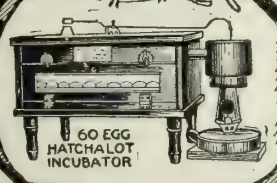
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This equipment is sold by dealers everywhere. Ask us for name of nearest dealer.

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IT PAYS

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100 Envelopes, 3⅝x6½ inches, on extra strong, thick, smooth, slick, white writing face, and **120** Letterheads, 8½x11 inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only $1.00. Express charges paid by me. Better printing for the price was never done. No order less than $1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.

Address, J. R. HUDSON, Hardin Springs, Ky.

I have seen samples of Mr. Hudson's printing It is very nice; he is perfectly honest.—EDITOR

SAY! WHY DON'T YOU



grind your own oats, corn, peas, dry bone, oyster shells, nut shells, dry stale bread, etc., for poultry feed on a GREAT BIG HAND GRINDER THAT NOW

COSTS ONLY $4.00

You need a grinder if you raise poultry. Thousands are used all over the world. Capacity 1 to 2 bu. per hr. Shipping weight 40 lbs.

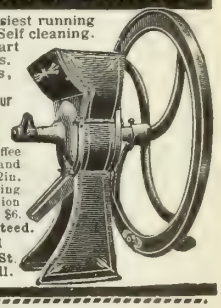
A child can operate it.

We also build SAMSON windmills and power feed mills. Send for free catalogs, stating what interests you.

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$5 Humphrey's Wonder GRIST MILL

Simplest, easiest running mill built. Self cleaning. Mill taken entirely apart by loosening four bolts. Grinds corn, oats, barley, rye, etc. Capacity 2 to 7 Bushels per hour Grinds fine or coarse. Special process chilled iron. Self-sharpening grinding rings. Can grind meal, coffee and spices for table use. Hand wheel 20in. Power pulley 12in. x 2in. ½ to 1 H.P. Shipping weight 55 lbs. Combination hand and power machine $6. Ask for catalog. **Guaranteed.**



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Postpaid $2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make *Poultry Marker 25c. Gape Worm Extractor 25c French Killing Knife 50c. Capon Book Free.*

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LEG BANDS for POULTRY and PIGEONS are the acknowledged leaders. Firmest and most secure lock. GUARANTEED to stay on. Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c; 175-$1.00; 200-$1.10; 500-$2.50. Price list and sample 2c.

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TO PRODUCE MORE EGGS

With the highly nutritious Milk Substitute, Blatchford's Calf Meal, as a base, combined with Beef Scraps, Bone Meal, Fish, Dried Milk, etc., there is nothing better for Egg production.

TRY IT!

AT YOUR DEALERS OR

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Lee's Egg Maker



Are your hens laying *now?* If not, are you doing your part in furnishing proper feed. Protein—*digestible* protein—is the feeding secret. It's a simple matter to get food rich in protein, but the percentage of it that is *digestible* is the thing to consider. Lee's Egg Maker is almost a pure meat product, clean, sweet, and wholesome, and contains more protein in *digestible* form than any other meat product. Successfully replaces all other kinds of meat food at *less* feeding cost and better results. That's our *guarantee.*

Prices 25c to $7.50 according to size



GERMOZONE

is the best health-insurance you can furnish your fowls. Indispensable as a remedy for *Roup, Colds, Chicken-Pox,* and other poultry ailments. Disease in your flock now will probably mean diseased birds all winter and poor breeders in the spring. Germozone twice-a-week tones and builds up the system, destroys disease germs, insures better and healthier stock *now* and strong, vigorous birds for the breeding season. Best guarantee *against* disease; surest remedy if disease has already taken hold. *Either tablet or liquid. Price 50c.*

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Send for your *free* copy of Lee's New Poultry Book. Interesting; instructive. The "best yet."

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The Clemans Strain with 12 years selection back of it. Circulars. Mention Am. Poultry Journal, Address
F. M. CLEMANS : : : : : : : : MECHANICSBURG, OHIO

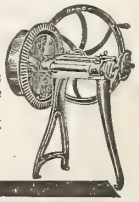
"Dandy" Bone Cutter

You needn't pay one penny for this bone cutter until you try it and it satisfies you. Feeding green bone is one of the first steps to gain a big egg yield. But the bone must be cut right. The Dandy Green Bone Cutter cuts *across* the grain of the bone, enabling the hen to digest the nutritive elements better and convert same into eggs, blood, feathers. Our terms on the Dandy Bone Cutter are

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NO MONEY IN ADVANCE
30 DAYS FREE TRIAL

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You are favored with 200 to 300 growing days, which allow two and three crops from the same land each season.

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And with all these superior advantages Southeastern land now averages less than one-half the price of farms in other parts of America.

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where the climate is exceedingly agreeable and healthful, where railroad communication is of the highest order and transportation to Northern markets but 24 to 48 hours.

Life in the rural sections of the South is all that could be desired. Modern highways and telephones, the best of high and agricultural schools, good churches and trading centers—all these advantages are to be had in this growing section.

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Ready Roofing





When you want all the buildings on the farm waterproofed to stay—cover them with this genuine asphalt roofing, applied with the Kant-leak Kleet.

Genasco gives real resistance to snow, rain, sun, wind, heat, cold, and fire; and the Kant-leak Kleet waterproofs seams without cement.

Ask your dealer for Genasco. Mineral or smooth surface. Look for the hemisphere trademark.

The Barber Asphalt Paving Company, Philadelphia

Largest producers in the world of asphalt and ready roofing

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What it means to have bred-to-lay stock. Send for catalogue on White Leghorns, Eggs, Chicks, Stock. Satisfaction guaranteed.

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SINGLE COMB WHITE LEGHORNS

Winners at CHICAGO, SPRINGFIELD and ELGIN. Choice breeding cockerels $3.00 to $5.00 each. Can furnish you with show birds, fit to show in strong competition, at reasonable prices. Mention A. P. J.

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43 Varieties

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.

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That's what they'll exclaim and then quickly buy—at a good price—all such delicious berries you can produce. It pays to raise large, beautiful true-to-name standard varieties of berries such as

ALLEN'S Strawberry Plants Yield So Heavily

Your success is assured if you start right with ALLEN'S hardy, prolific, correctly grown berry plants. All the early and late strains of standard varieties for every soil and climate requirement. Over 120 acres devoted to strawberry culture alone at the ALLEN Nurseries, 29 years successful experience growing berry plants of the best quality.

Shipments Prompt and Guaranteed in Good Condition

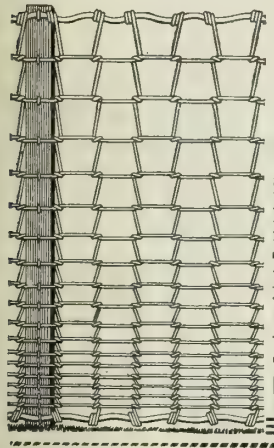
ALLEN'S plants are carefully selected and packed for shipment. They are **fresh** and guaranteed **true-to-name.**

Send for ALLEN'S 1914 Book of Berries

It's full of valuable information to fruit growers. Lists and describes Allen's complete line of Strawberries, Raspberries, Blackberries, Currants, Grapes, Asparagus, etc. Tells how to grow small fruit profitably. A copy will be sent FREE. Write today.

W. F. ALLEN, 106 Market Street, Salisbury, Md.

POULTRY FENCE



DIRECT TO YOU AND YOUR NEIGHBORS, TOO

22½ Cents a rod for 48 in. high.

25½ Cents a rod tor 60 in. high.

Not a flimsy netting but a fence requiring fewer posts and no baseboard or top rail. Spacing between the line wires graduated form 1⅛ inches at bottom to 4½ inches at top. Stay wires 4½ inches apart. Positively the greatest Poultry Fence Bargain ever offered. Our 48-inch comination **POULTRY AND STOCK FENCE 27¾ CENTS PER ROD.** This is a heavier fence having the same construction as the above fence and while close enough for small chicks yet strong enough to turn stock.

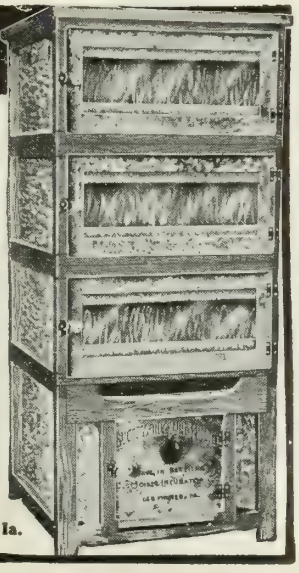
Direct to You at Factory Prices.

Write for our large illustrated Catalog showing 100 styles of Farm, Poultry and Lawn Fence. It's free.

Kitselman Bros. Box 295 **Muncie, Ind.**

SOMETHING NEW!
A Grain Sprouter Made In Sections!





Doubles Your Egg Yield

Constructed of steel. *Double steel walls.* Made in capacities of from 50 to 600 hens. Fit the needs of both little and big poultry raisers. Grows as your needs grow. A brand new idea in grain sprouters. Positively fire proof. Completely safe in every detail. No wood to rot. Lasts practically forever.

"Successful" Sectional Grain Sprouter

will enable you to get three bushels *fresh, succulent, egg-making green food* from one bushel of oats, wheat or rye. It sprouts grain in 24 hours. Then gives an inch of crisp green sprouts every day. With it you can make your winter chicks grow faster—get them ready for market sooner—when prices are highest. You can make your hens lay more—*100% more eggs*—lay when egg prices are highest. It's a wonder! Can't warp, shrink or swell as wooden sprouters do. Has *large* glass doors and metal trays. It will make money for you. Send today for Free Book.

Des Moines Incubator Co.
561 Third St., Des Moines, Ia.

WE PAY $80 A MONTH SALARY

and furnish rig and all expenses to introduce our guaranteed poultry and stock powders. Address BIGLER COMPANY, X309 SPRINGFIELD, ILLINOIS

5 PACKETS FLOWER SEED FREE TO YOU

One packet each of CARNATIONS, ASTERS, POPPY, PANSY, CHRYSANTHEMUM.

These five packets of flower seeds will produce the choicest of these flowers.

There are enough to keep you supplied with flowers all the season. Your name on a postal brings them **Free, Postpaid,**—also our new **Colored Catalog** of fruits, flower, vegetable and field seeds all FREE. Send your postal NOW!

MILLS SEED COMPANY
Box 300. Washington, Iowa

Strawberries

(Summer and Fall Bearing) and All Small Fruit Plants



Strawberries and all Small Fruit Plants mean big and *quick* profits for you at a small outlay of money. We are headquarters for Summer and Fall Bearing Strawberry Plants, Raspberries, Blackberries, Gooseberries, Currants, Grapes, Fruit Trees, Roses, Ornamental Shrubs, Eggs for Hatching, Crates, Baskets, Seed Potatoes, etc. Best varieties, lowest price. 30 years' experience. *Free catalogue is full of valuable information. Write today.*

L. J. FARMER, Box 436, Pulaski, N. Y.



POULTRY FENCE

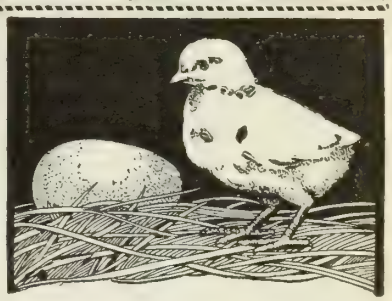
60 INCHES HIGH 25½c. A ROD

Has 4½ inch mesh and line wires are graduated from 1½ inches at the bottom to 4½ inches at the top.

60 inch Poultry and Stock Fence, 31c.

Same style fence as in cut but is made from heavier wire and has six inch mesh. Write for free Catalog.

COILED SPRING FENCE CO.
Box 82 Winchester, Indiana.



How many of your chicks live to become layers?

Minimize your losses by feeding H-O Steam-Cooked Chick Feed. It builds up bone, flesh and feathers—turns chicks into sturdy chickens.

The steam-cooking we give it at our mills perfectly prepares the grain for the little chicks' stomachs. Does away with the question of sour grain.

H-O Steam-Cooked Chick Feed

is a scientific mixture of Corn, Cut-Oatmeal, Cracked Wheat, Kaffir Corn, Peas and Millet—*steam-cooked* by a special process in our mill.

Sold only in 10-lb., 25-lb., 50-lb. and 100-lb. bags, with tag showing guaranteed analysis. If you cannot get H-O Steam-Cooked Chick Feed, Intermediate Scratch, Scratch Feed, Poultry Feed, Dry Poultry Mash or Chick Feed from your dealer, write for sample and prices.

The H-O Company Mills: BUFFALO, N. Y.

John J. Campbell General Sales Agent HARTFORD, CONN.

NEPONSET PAROID ROOFING

was selected by the United States Government experts for use on the Panama Canal work.

For sale by leading lumber and hardware dealers. Write for name of dealer near you.

BIRD & SON, Est. 1795, 546 Neponset St., E. Walpole, Mass.
(F. W. BIRD & SON) New York, Chicago, Washington, Portland, Ore.

POULTRY PRINTING

Letterheads, Envelopes, Noteheads, Business Cards, Postal Cards, Shipping Tags, Mating Lists, Circulars, Folders, Billheads, Etc. Write us for Free Samples and prices before placing your order. We use up-to-the-minute cuts, free. Kindly mention your breed

Thomas E. Clark & Co., 14 W. Fourth St., Michigan City, Ind.

IF YOU WISH "QUALITY" WRITE US

INCUBATOR FREE

If You Make the Best Hatch.

Successful Farming will give to the person making the largest hatch this season an Incubator Free. Write at once for particulars. You are going to hatch just as many chicks as you possibly can anyway, and you may just as well enter your name in Successful Farming's Annual Hatching Contest. You may win back the full price of your New Incubator in cash. It costs nothing to enter the contest and you can use any incubator advertised in Successful Farming (nearly all known makes). Enter your name and later report your hatch as directed. Don't neglect this—write for particulars right away before you buy if possible. Remember it costs nothing.

Successful Farming, : Des Moines, Iowa



YESTERLAID LEGHORN SUPREMACY

RANGE-RAISED LAYING-LEGHORNS

Superior as layers and for exhibition. Yesterlaid S. C. W. Leghorn Pullets lay at 4 1-2 months. Bought by 17 State Experiment Stations. Stock, hatching eggs, and baby chix supplied in any quantity. Prices very reasonable. YESTERLAID Methods are bringing success to many poultry raisers. Write for details and prices.

Yesterlaid Egg Farms Co., Dept. 5, Pacific, Mo.



LEG BANDS
Get Samples Free

Which hens are laying? Mark 'em with leg bands and you'll *know*. Sell the non-producers.

Two and three year old hens are a dead loss for laying purposes. Leg bands tell you when to sell off surplus stock.

Invest a few cents in leg bands; you'll get dollars in egg profits.

Get Guaranteed Leg Bands for Your Hens

Order now direct—money back if not satisfied. Smith Sealed. Prices: 12, 30c; 25, 50c; 60, $1.00; 100, $1.50; 500, $6.50; 1,000, $12.50; postpaid. Leader Adjustable. Prices postpaid: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, $1.50; 500, $2.75; 1,000, $5.25. Climax. Prices: 12, 15c; 25, 30c; 50, 45c; 100, 75c; 500, $3.25; 1,000, $6. Also Open Pigeon and Open Chick Bands, fit any size pigeon or small chick. Prices: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 500, $2.75; 1,000, $5.25.

The Keyes-Davis Co., Inc., Dept. 502 Battle Creek, Mich.



THIS IS THE ALUMINUM "CONVENIENT" LEG BAND

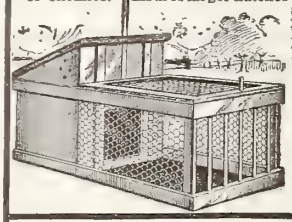
Note the strong, secure fastener, so simple and complete—the number is not stamped in, but raised OUT—plain, readable—can't get full of dirt. Reaches you already bent in shape ready to put on—12 bands 20c; 30 for 45c; 60 for 75c; 100 for $1.00. Sample Free—

H. O. SHAW, Box 103, GRINNELL, IOWA

Hodgson Portable Poultry Houses

WIGWARM Setting and Brood Coop

For a hen and her chicks and while she is sitting. Gives protection from rats, skunks, hawks and other enemies. Insures larger hatches—has proved its success for 22 years. Shipped knocked down—size, 2x4 ft., 2 ft. high.



$3.00

No. 0 Colony Laying House—for 12 Hens

Fitted complete with nests, fountain and feed trough. Sanitary—easily cleaned. One man can easily care for several hundred birds. Nicely painted—set up in 15 minutes. A comfortable year-round house. In stormy weather the run may be covered, giving a protected scratching room. Size, 10x4 ft., 5 ft. high.

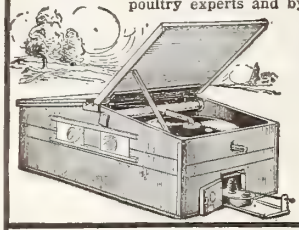


$20.00

TRADE MARK WIGWARM

WIGWARM Brooder

Hot-water and hot-air heating combined gives perfect ventilation—no danger of overheating—maintains even temperature regardless of cold outside. Used and endorsed by poultry experts and by experiment stations and such men as Dr. A. A. Brigham, Dr. N. W. Sanborn, Dr. P. T. Woods and Mr. A. F. Hunter. Size, 3x5 feet.



$15.00

Catalog Free

Five-Section Poultry House—10x50 ft.

Sanitary, durable, up-to-date—made of red cedar, clapboarded outside, interior sheathed. Made in 10 ft. sections, each fitted with roosts, nests and fountain. Open fronts, with canvas-covered frames. You can add sections at any time. Easily erected. First section, $75.00; additional sections, $60.00 each.



E. F. HODGSON CO., Room 332, 116 Washington St., Boston, Mass.

Costs One Cent

Get "The Golden Egg"

and Your Hens Will Lay an Egg a Day

For only one cent you can get this wonderful poultry money-maker. Your hens will lay more eggs—larger eggs. Lazy hens will start laying. You can get fertile eggs. You can get eggs for early setting. Get plenty of eggs when they sell at highest prices.

Invest a Cent and Double Your Egg Yield

Get as many eggs in winter as in summer. It's all a question of feed. The Humphrey way makes chickens pay. You can cut your feed bill in half and at the same time get twice as many eggs. Let me tell you how. You can force your hens to lay as many eggs this winter as in the summer time by using a Humphrey Green Bone Cutter. Write for free copy of *"The Golden Egg."* Tell me how many hens you have and get some money-making facts from me by return mail. Send postal *today*.

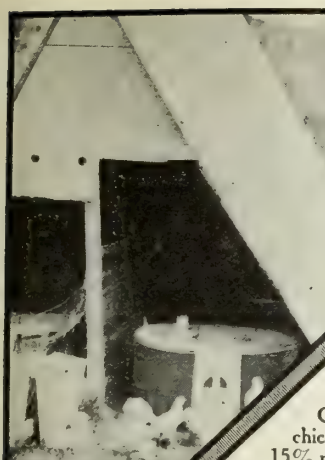
HUMPHREY
White Street Factory
Joliet, Illinois



will save half your feed bills and double egg yield. Guaranteed to cut more bone, in less time, with less labor, than any other. Send for Special Trial Offer and handsome catalogue.

HUMPHREY,
White St. Factory, Joliet, Ills.

Big Winter Eggs Out of Clover. How? Ask Me.



A BIG JOKE

It's a big joke on the other Hover makers to claim they have the only Portable Hover on the market that is Self-ventilating and Self-regulating, Warmest at the curtain, and a lot of other claims, when these features are found in the Ideal Portable Hover. Another indisputable fact regarding this Hover is its Originality, the inventor didn't copy his neighbor and then try to make a bigger noise than the real owner. The Ideal is next to the oldest Portable Hover on the market. It is the first one that could be picked up with one hand and carried any place with lamp burning. It can be set in any room suitable for brooding young chicks. Use it in a Brooder, Colonyhouse or Layinghouse, sets on level floor with no bridge for chicks to climb. The Double Drum Hot Air Heater will produce 15% more heat from the same amount of oil than a Hover using a single Drum Heater. This makes it a great Hover for Winter use. Our Automatic Lamp was especially designed for a Portable Hover; the oilfount is on the outside of the lamp box, feeding cool oil to the wick and just enough to keep it covered at all times, this makes it possible to place the burner close to the floor allowing the use of a tall chimney with a large airburning space around the lamp flame and still this chimney is not pushed up into the Heater to become overheated and cause trouble. This Lamp will never cause trouble by smoking. The Hover is all metal, but the double curtain is 24 inches in diameter, and will brood 100 chicks, and it is the lowest priced machine on the market. We have a Special Offer for you this month.

Used on Ohio State Farm. 17 Ideal Hovers were used on the State Farm at Dayton, Ohio, last season with wonderful results, the picture in this advertisement shows two Ideal Hovers used in an A shaped hoghouse on that Farm.

Queen Incubator and Ideal Hover. We sell the Queen Incubator, which we consider the best low priced machine on the market, and we make you a Special Combination Price on this and the Ideal Hover. We want you to write us at once for circulars of our Hover, Incubator, Catsprouter, and Poultry Supplies, we will tell you all about our 12 months' course in Practical Poultry Keeping, Free to our customers and if you will mention this paper when writing, we will inclose a copy of "How to raise 90% of your Chicks." Write today. Dealers wanted to handle the Ideal Hover.

New Carlisle Mfg. Co., New Carlisle, Ohio
Successors the Duplex Incubator Co.,



Pick it up and carry any place with lamp lit

Keep More Healthy Birds

Make Less Work—More Profits

If you believe that healthy birds in your poultry yard make wealth in your bank book—insist upon having Kentuco Ware. You can raise *more* birds—keep them *healthier*—and save money on feed with

KENTUCO Poultry Ware

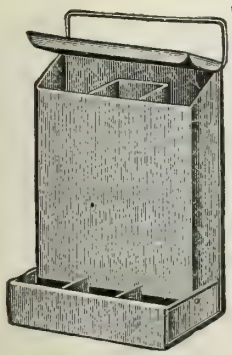
We have experimented repeatedly to get these results for you. For example, study the Kentuco Grit or Food Box illustrated here. We made and discarded no less than 15 different styles before this style was accepted. Now, we know of no other feed box in the world that can equal its service. Food or grit cannot clog in the reservoir—it cannot be wasted or polluted in the tray—you cannot pull box apart.

Kentuco Fountains are galvanized *after* they are made. That's why they are *entirely* rust-proof.

Ask your dealer for Kentuco articles. Their prices are no higher than those asked for most poultry ware, yet benefits of service are incomparable.

Write us for the big folder which tells the real facts about poultry ware. Also ask for the Kentuco Jar Fountain—free. Address

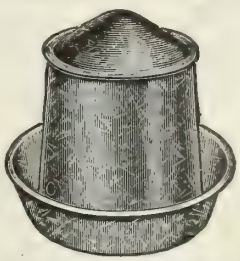
Kentucky Stamping Co.
104 N. 15th St. Louisville, Ky.



Kentuco Grit or Food Box
Prevents birds from wasting feed—there is always feed in the tray.



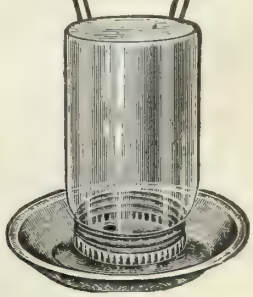
Kentuco Sanitary Wall Fountain
Can be taken apart and cleaned with a brush. No other fountain in the world like it.



Kentuco Two Piece Fountain
Absolutely rust-proof. Cone top keeps birds from perching on it and polluting water in the tray.

This Fountain Given Away

Kentuco Jar Fountain
If you will pay the postage and packing, we will send you the metal base for this handy jar fountain *free*. This is just to let you know more about the Kentuco Poultry Ware. Send eight cents in stamps.



BLUE ORPINGTONS :: SILVER CAMPINES

At the Crystal Palace Show, London, Eng., Nov., 1913, I won on Blue Orpingtons, 3rd Cock; 2nd, 3rd cockerel and 2nd pullet. On Silver Campines, 3rd cockerel and 4th pullet.

At the great Dairy Show, London, England, held on October 21, 1913, I won on Blue Orpingtons first in a class of 34 entries, the biggest class ever known in this variety. Also 3rd and 5th. After my previous wins at Madison Square Garden, New York, and the Crystal Palace, London, in this variety, it's positive proof of the excellence of my strain. Remember, I am the originator of the Blue Orpingtons of today. It's easy to buy winners, but a different thing to breed them, unless you have the stock and the knowledge. I have got them ready right here for you and birds that will reproduce their like. I have birds now for sale that will win in the keenest competition in the world. Having attended personally the Madison Square Garden Show, New York, in 1911 and 1912, I know the exact American requirements. Write me, stating your needs. I will answer by return mail and guarantee you every satisfaction. I can ship immediately on getting your order and guarantee live delivery in New York. I arrive at the Seville Hotel, 29th St. and Madison Ave., New York City, December 24, and can book any orders then as well.

Max de Bathe, Hartley Court, Reading, England

Vice President English Poultry Club. Member Advisory Committee Live Stock Department, Panama-Pacific Exposition, 1915

CAUTION Any Bone Cutter claiming to be Mann's without F. W. Mann Co. cast on its surface, is an imitation. If made in Milford, Mass., it is Genuine.



Make Your Hens Lay



When Eggs Are Worth Most

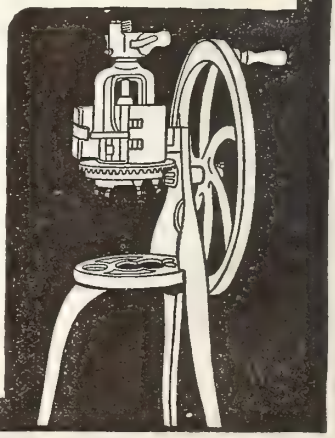
HENS relish juicy bugs and worms because these supply the protein feed they require to make eggs. The craving for meat and bone food—protein feed—is simply nature working out the egg-laying proclivity. Hens **must** have food rich in protein or egg-making elements, or it will be impossible for them to lay.

Our little book tells you all about the how and why of this. It makes you master of egg-getting. It's a book that opens up to you the real possibilities with poultry.

It's simply a matter of knowing what food to supply and how to prepare it. It is now established beyond all doubt that raw, green bone, with adhering meat and gristle, cut fine, is the ideal egg-producing food. Its cost is a mere trifle and its preparation is easy with a

Mann's Latest Model Bone Cutter

Sold On 10 Days' Free Trial—No Money Down



It turns easily and rapidly, cutting green bone, with adhering meat and gristle, wasting nothing.

Its self-governing feed automatically adapts the cutting to **your** strength, so that anyone can use it.

Its open, hinged cylinder is easily cleaned, and it takes in large bones. It is strong, durable, and requires few repairs. We want you to try one.

We will send you a Mann's Latest Model Bone Cutter on **10 Days' Free Trial**—no money down. If satisfied **after the trial,** buy it. If not, return it **at our expense.**

You want our good books, at any rate, send for them. We'll forward by return mail.

F. W. Mann Co., Box 56, Milford, Mass.

FRENCH'S
POULTRY MUSTARD

Absolutely Pure — **The Original Poultry Mustard** — **Pat. Applied For**

We have learned that unscrupulous dealers are buying for low prices, cheap and inferior mustards in bulk and offering them in place of French's Poultry Mustard. French's Poultry Mustard is made from imported seeds in the most careful manner and is as near as possible to the mustard used in England during the experiments, excepting that it has greater strength.

In order to be sure and not get counterfeits or inferior articles palmed off on you, insist upon having French's Poultry Mustard, and see that it is in the original and unbroken packages. We do not ship this mustard in bulk, excepting to consumers, and mustard that is offered you in unbroken packages or in bulk, as French's is not French's, but a counterfeit.

If you have not already done so, write us for a copy of the booklet as published by Mr. Ralph Allen of England, upon the subject of the use of mustard with poultry, and if you use mustard, use the one that is adapted solely for the purpose for which it is intended. Don't accept counterfeits or the substitution of inferior goods.

For the Laying and Show Season

Condition your stock by using **"French's Poultry Mustard."** There is nothing to equal it in value. **It insures an increased egg yield.** It helps the **moult**—makes it **quicker and more natural** and the hens get to laying right quick. It is beneficial and insures the richest plumage, and keeps the birds toned up at all times to show at their true worth. It is used by the leading breeders and highly endorsed by thousands.

Old and Young Thrive On It

Experiments here and in England have proven its value. It is used and recommended by thousands of poultrymen. It is not the amount of food a hen eats, but the nutriment she extracts from food by the digestive process that supplies all nature's demands and produces eggs. It is sold the world over—here is a partial list of the principal dealers handling it. If your dealer does not have it send us his name with your order.

ALABAMA	Birmingham	Gammill Seed & Dairy Supply Co.
		McVay Seed Company
BRITISH COLUMBIA	New Westminster	Brackman-Ker Milling Co.
	Victoria	Brackman-Ker Milling Co.
CALIFORNIA	Los Angeles	Germain Seed & Plant Co.
CONNECTICUT	Southport	Pequot Poultry Farm Co.
FLORIDA	Jacksonville	Walton Seed Co.
GEORGIA	Atlanta	W. G. Hastings & Co.
		McMillan Seed Co.
	Brunswick	J. M. Burnett
	Savannah	W. D. Simkins & Co.
ILLINOIS	Chicago	W. W. Barnard & Co., 231 West Madison St.
		The Vaughan Seed Store, 31 West Randolph St.
	Quincy	Eber Seed Co.
INDIANA	Indianapolis	Petaluma Incubator Co., 147 North Delaware St.
	South Bend	The Wesley Miller Flour & Feed Co.
IOWA	Burlington	George W. Turner & Son
KANSAS	Wichita	Ross Bros. Seed House
LOUISIANA	New Orleans	Bruce Poultry & Seed Co. 320 Carondelet St.
MARYLAND	Baltimore	Griffith & Turner Co.
		Meyer-Stisser Co. 32 Light St.
MASSACHUSETTS	Danvers	Ropes Brothers
	Fall River	W. G. Pearse & Co.
	Salem	Ropes Brothers
MICHIGAN	Detroit	Tomlinson & Lanphere Co., Jefferson Ave.
	Grand Rapids	Jones Seed Co.
MINNESOTA	Minneapolis	Northrup King Co.
NEW JERSEY	Elizabeth	R. Pinder, Prop. Poul. Supply House, 279 Morris Av.
	Ridgewood	S. Nagle Jr. Coal & Grain Co.
	Scotch Plains	Sidney R. Clarke, Harmony Park, Route 1.
NEW YORK	Avoca	Shults Bros.
	Avon	Jas. S. Lussow
	Corning	W. M. Killigrew
	Dansville	Jas. D. Finn
NEW YORK—Cont.	Gloversville	E. L. Durkee & Co., 13 No. Main St.
	Livonia	E. C. Stone
	Newark	C. A. Welcher.
	New York City	Stumpp & Walter, 50 Barclay St.
		Robert Essex Incubator Co. 67 Barclay St.
	Perry	M. F. Streeter
	Saratoga Springs	Daniel Eddy & Sons, Inc.
	Wayland	Kimmel Hardware Co.
NORTH CAROLINA	Durham	Peabody Drug Co.
	Raleigh	Job P. Wyatt & Sons Co.
NOVA SCOTIA	Yarmouth	S. P. Goudey.
OHIO	Canton	Canton Grocery Co.
	Cincinnati	J. M. McCullough's Sons Co.
	Woodsfield	The Cash Store, F. E. Dorr, Prop.
PENNSYLVANIA	Bangor	S. E. Merkel & Company
	Harrisburg	Theodore Neuffer, 1214 Derry St.
	Hellertown	Robert E. Yons.
	Lancaster	Sprecher & Ganss
	Norristown	Simpson Bros.
	Philadelphia	Cugley & Mullen, 1229 Market St.
	Pittsburgh	C. J. Cleland, 6465 Frankstown Ave.
		I. W. Scott Co., 514 Liberty Ave.
		J. Walker & Son, 1625 Beaver Ave.
	Tunkhannock	Jennings & Stark.
	Wellsboro	George C. & F. A. Brooks
RHODE ISLAND	Providence	Providence Seed Co.
SOUTH CAROLINA	Charleston	W. H. Mixon Seed Co.
TENNESSEE	Memphis	Otto Schwill & Co.
TEXAS	Fort Worth	Drumm Seed & Floral Co.
	Dallas	Texas Seed & Floral Co.
	San Antonio	Ferd. Staffel
VIRGINIA	Norfolk	Fanney & Miller, 48 Washington St.
	Richmond	T. W. Wood & Sons, 12 South 14th St.
WASHINGTON	Seattle	Seattle Seed Co.
WISCONSIN	Madison	L. L. Olds Seed Company

BEAR IN MIND

French's Poultry Mustard

Sold in Sealed Packages Only

FRENCH'S POULTRY MUSTARD

is sold at 20 cents per pound in six and ten-pound boxes and 25-pound kegs. Sample package, 1½ pounds 35 cents. A trial order will convince you. Write for it today. Poultry pays best and does best when **French's Poultry Mustard** is regularly used. A teaspoonful to six to twelve fowls fed daily in wet or dry mash. Booklet for the asking.

The R. T. French Company, Dept. A, Rochester, New York



10-qt. Simplicity Kant Klog Feeder, simply perfect, perfectly simple.

You Need This Feeder

Because it feeds anything from whole corn to millet seed, saves labor, feed and time. Sparrow and rat proof, perfectly adjustable, *cannot clog,* never fails to work, scatters feed perfectly and works from every direction. It is sold on a strictly *money back* if not satisfactory guarantee.

DON'T ACCEPT SUBSTITUTES

INSIST ON THIS TRADE MARK

IT PROTECTS YOU AND YOUR CHICKENS

THE SIMPLICITY KANT KLOG POULTRY FEEDER

SIMPLEX SUPPLY HOUSE

CHICAGO, ILLINOIS, U.S.A.

PATENT APPLIED FOR

IT PROTECTS YOU AND YOUR CHICKENS

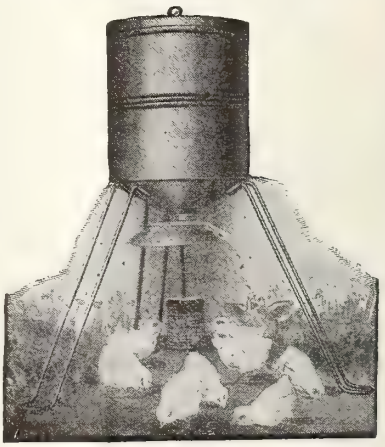
INSIST ON THIS TRADE MARK

Simplicity Kant Klog Feeders will positively feed your chickens better than you can by hand feeding. They absolutely put an end to your feeding troubles. You can go away at any time and rest assured that your chickens will be properly fed. The comfort alone is worth the money, and the saving in grain and the increase in egg production will more than pay for the feeders in ninety days.

NOTE THESE LOW PRICES

Baby Chick - - -	$1.25
10-quart - - - -	2.50
20-quart - - - -	3.50

Special Prices on Quantities



Simplicity Baby Chick Feeder feeds chicks better than the mother hen

SIMPLEX SUPPLY HOUSE

PONTIAX BUILDING, CHICAGO, ILL.



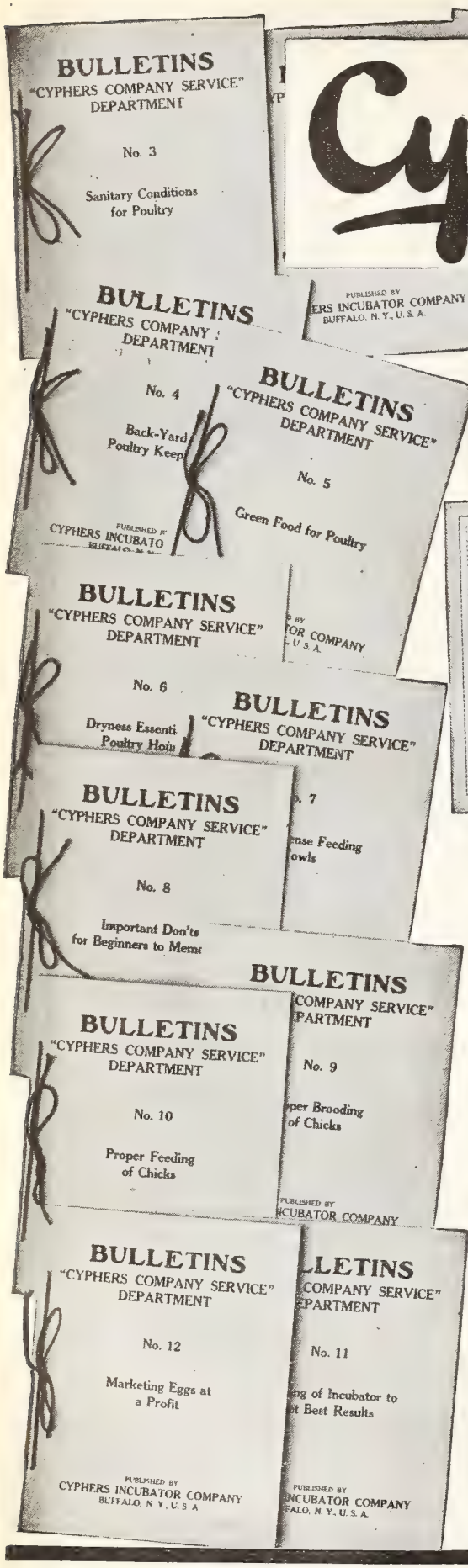
There is more real proof in a teaspoonful of experience than in a demijohn of talk.

If you have ever bred the GROVE strain of SINGLE COMB WHITE LEGHORNS, you know from experience that they represent just what we claim for them.

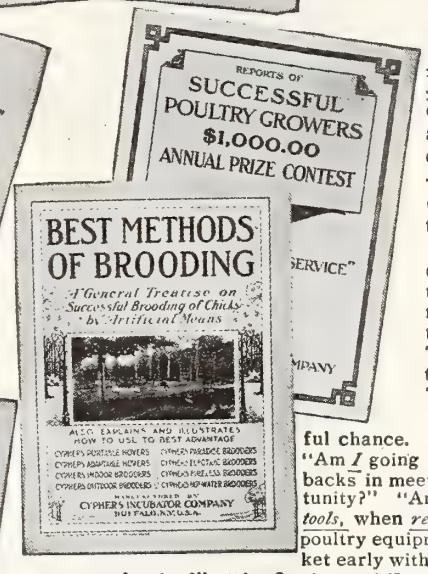
Upon receipt of 50 cents in stamps or coin, we will send you postpaid our new sixty-four page book on poultry, which explains in detail the method of raising, feeding and conditioning line bred poultry for successful results.

E. W. Grove, Jr.

Route 1, Clayton, Missouri



Cyphers Co's



Will Make You

It's come—the Poultry Raiser's *Harvest Time*—the time when *biggest sales, richest profits, knock at the door* of *every* poultry grower. Poultry and eggs are in highest demand everywhere—*all* that can be supplied—at top prices. It's a nation-wide demand, *fixed*—one that will continue for years.

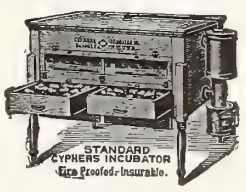
The enormous shortage of beef cattle, of sheep and swine, that *must be* faced this year and for years to come has sky-rocketed meat prices and, *more than that,* the *demand* is *far ahead* of the supply. There's just one direction for people to turn in this emergency—AND THAT'S TOWARD POULTRY AND EGGS.

Please grasp the *bigness* of this wonderful chance. Then ask yourself, straight *self-to-self*—"Am *I* going to fail utterly or to have miserable setbacks in meeting this splendid money-making opportunity?" "Am *I* going to handicap myself with *poor tools,* when *real* incubators and brooders and other poultry equipment will insure my getting on the market early with the choicest poultry meat—the biggest egg production?" "Am I going to *fail* to *meet up with* this unequaled opportunity?"

Now, *if ever,* you want to give this business your *best efforts.* You want to give yourself a fair, square chance to prosper by using *only* poultry equipment of *proved* reliability—by relying on the name that stands first in the service of the most successful large scale poultry raisers—the World's Standard—

CYPHERS INCUBATORS and BROODERS

Don't start out with *small ideas* during this great poultry money-making period. Time is too precious to experiment. Don't buy an incubator you have to coax and cuddle and stay up nights with! Remember Cyphers is Standard wherever incubators are known. Remember Cyphers Company products are the right tools—the proved tools, safe and dependable. Let us help you win the *fullest* measure of real success.



CYPHERS
Quality Proved by Big Continuous Hatches

Mrs. R. H. Pote, R. F. D. 8, San Diego, Cal.—"I have four Standard Cyphers Incubators—three 390-egg and one 244-egg capacity. For my *first hatch* I set 440 eggs in a large machine, tested out 58 as infertile, leaving 382 eggs, and got *338 fine, strong chicks.* In another machine I set 440 eggs, tested out 38, and got *372 chicks.* In the other large machine I set 400 eggs, tested out 60, and got *306 chicks.* In the 244-egg machine I set 260 eggs, tested out 31, and hatched *200 chicks.* Remember, these were all my first hatches, and *I had never run an incubator before.* From the 390 egg machines I have never had less than 300 chicks. I find the Cyphers very easy to run and regulate and I had no trouble whatever with them."—June 29, 1913.

Hillside Farm, Joseph S. Roe, Breeder of White Wyandottes, Silver Campines, Houdans, White Leghorns and Ornamental Bantams, Lafayette, N. J.—"I have been operating two 244-egg, one 144-egg and one 70-egg Standard Cyphers Incubators, all of which have given splendid satisfaction. Here are some of my recent hatches, good average results from tested eggs: 160 eggs, 145 chicks; 162 eggs, 147 chicks; 82 eggs, 79 chicks; 157 eggs, 146 chicks; 175 eggs, 167 chicks. From personal experience I have found that there is no incubator that will *hatch as many strong, livable chicks* from a given number of fertile eggs as will the Cyphers."—July 24, 1913.

Cyphers Company's Free Bulletin and Personal-Letter Service

We want to *help all poultry raisers*—we want them to have the benefit of our knowledge and experience whether or not they are Cyphers customers.

Free Service

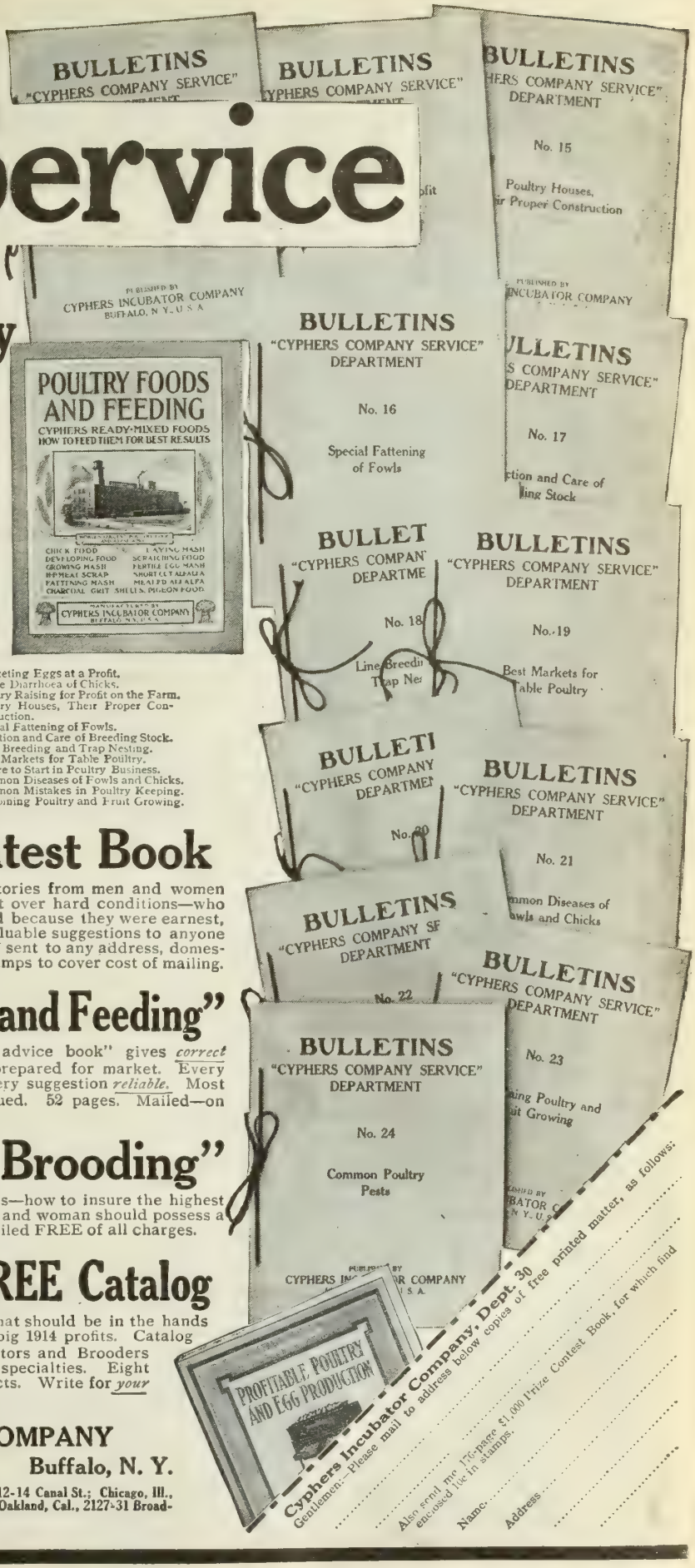
More Poultry Money

Because we are far-sighted enough to realize that every step that advances the poultry industry—advances *our* interests in the long run.

That's why we've a big Free Correspondence Department in charge of Poultry Experts. We *gladly* answer in detail, give experiences and advice to *anyone* anywhere who writes us for poultry counsel. No charge whatever.

Our Free Bulletin Service preserves in permanent form, for the benefit of our customers, the experiences and facts developed at the Cyphers Company's $75,000 Experiment and Demonstration Farm. *Any* reader of this paper is entitled to a choice of any *three* of the Bulletins listed below. Simply write to our home office, Buffalo, N. Y., for the numbers you want, or have your name listed to receive the entire set.

No. 1—Winter Eggs and How to Get Them.
No. 2—Dry Feeding by the Hopper Method.
No. 3—Sanitary Conditions for Poultry.
No. 4—Back-Yard Poultry Keeping.
No. 5—Green Food for Poultry.
No. 6—Dryness Essential for Poultry Houses.
No. 7—Common-Sense Feeding of Fowls.
No. 8—Important Don'ts for Beginners to Memorize.
No. 9—Proper Brooding of Chicks.
No. 10—Proper Feeding of Chicks.
No. 11—Handling of Incubator to Get Best Results.
No. 12—Marketing Eggs at a Profit.
No. 13—White Diarrhoea of Chicks.
No. 14—Poultry Raising for Profit on the Farm.
No. 15—Poultry Houses, Their Proper Construction.
No. 16—Special Fattening of Fowls.
No. 17—Selection and Care of Breeding Stock.
No. 18—Line Breeding and Trap Nesting.
No. 19—Best Markets for Table Poultry.
No. 20—Where to Start in Poultry Business.
No. 21—Common Diseases of Fowls and Chicks.
No. 22—Common Mistakes in Poultry Keeping.
No. 23—Combining Poultry and Fruit Growing.
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$1,000 Prize Contest Book

This wonderful book contains reports—fact-stories from men and women chicken-raisers all over the country—who won out over hard conditions—who met difficulties and downed them—who succeeded because they were earnest, careful, efficient. This book is a gold-mine of valuable suggestions to anyone interested in poultry growing. A free copy will be sent to any address, domestic or foreign, on receipt of 10c in United States stamps to cover cost of mailing.

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Tells how to successfully brood and rear chicks—how to insure the highest percentage of life and vitality. Every poultry man and woman should possess a copy of this valuable book. Write *today.* Book mailed FREE of all charges.

Send Now for Big FREE Catalog

244-pages—the down-to-business poultry book that should be in the hands of *every* poultry raiser who wants his share of the big 1914 profits. Catalog pictures and describes Standard Cyphers Incubators and Brooders and more than one hundred high-grade poultry specialties. Eight helpful chapters on vitally important poultry subjects. Write for *your* copy today. Address—

CYPHERS INCUBATOR COMPANY

Department 30 **Buffalo, N. Y.**

Branch Stores: New York, N. Y., 41 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Ct.; Kansas City, Mo., 317-319 Southwest Blvd.; Oakland, Cal., 2127-31 Broadway; London, England., 121-123 Finsbury Pavement.

Cyphers Incubator Company, Dept. 30
Gentlemen:—Please mail to address below copies of free printed matter, as follows:
.....
Also send me 176-page $1,000 Prize Contest Book, for which find enclosed 10c in stamps.
Name .....
Address .....



Aldrich White Orpingtons

The Strain of Quality

Great Win at Chicago, at the Great Mid-West Coliseum Show, Chicago, December 12-17, 1913

We entered nineteen birds and made the greatest win ever made at America's Strongest Orpington Show, (341 Orpingtons entered) winning Grand Special for Best Display, White Orpington Club Cup for **Best Display,** and Special for best Colored Male and Best Shaped Male.



We Won—

1st Single Comb White Orpington Cock
3rd Single Comb White Orpington Cock
1st Single Comb White Orpington Cockerel
2d Single Comb White Orpington Cockerel
5th Single Comb White Orpington Cockerel
1st Single Comb White Orpington Pen, Old
1st Single Comb White Orpington Pen, Young
2d Single Comb White Orpington Hen
4th Single Comb White Orpington Hen

Pullets not entered, acct. customers showing.

We won seventy-six points or eight more than last year, thus again proving that Aldrich Strain White Orpingtons are the best, as all these birds were raised and bred on our farm.

At the Great International Exposition, at Atlanta, December 1-7, Aldrich Strain White Orpingtons shown by us and Mrs. L. P. Eberhart, won seventy-six points against seventy for all competitors combined in strongest class ever shown in the south winning

1st and 2d Pens [in class of 18 pens]
1st, 2d and 3d Pullets
1st, 3d and 4th Hens
2d Cock. 3d and 4th Cockerels

Aldrich Strain Orpingtons have also won for our customers this season in all parts of America and Canada in the strongest competition Cleveland, Cincinnati, Allentown, Winnipeg, St. Louis, Davenport, Roanoke, Little Rock, Brandon and Vancouver, Canada, Indianapolis, Springfield, Meridan, Jackson, Jersey City, Plainfield, Albany, Grand Forks, Richmond and many other shows, thus proving their quality under any competition, so if you can advertise the **Aldrich Strain** your success is assured, as **the superior quality of the Aldrich Strain is now acknowledged by all.**

We sell only one customer in a class at any show, so place your order early to avoid disappointment. Our birds are **bred-to-lay** with the same care they are **bred-to-win.** Eggs now ready from the best pens of White Orpingtons ever mated, at $15.00 per setting of 15, fertility guaranteed. Book your order early if you desire eggs for any certain date. When writing mention American Poultry Journal.

Aldrich Poultry Farm

5076 N. High St. **Columbus, Ohio**

AMERICAN POULTRY JOURNAL

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Hatching Eggs in the Higher Altitudes

Report of Experiments in Solving the Problem of Successful Incubation Five Thousand Feet Above Sea Level and Higher

By W. H. Mathews



THAT the cook and the poultryman have a close community interest has always been a great hobby of mine, and with this belief in mind I have always personally paid all possible attention to their whims and caprices when producing retail commercial poultry. An entirely new angle to the case came to me this year when I went west to northern New Mexico at an altitude of nearly 8,000 feet above sea level, to try and solve the hatching problem there presented.

Most poultry keepers have had trouble in artificial incubation even at "mile high" (5,000 feet) Denver, though many hate to admit it. And in the majority of cases, hens themselves have trouble landing chicks on the twenty-first day in high altitudes. Above 4,500 feet the trouble increases in a greatly increasing ratio, and at Cripple Creek, and especially Leadville, the effect of the altitude makes hatching almost an impossibility.

It is a well known fact that altitude may be determined by the temperature of boiling water, the water boiling with a lower temperature with each degree of rise. Similarly meat roasting and all kinds of baking are much simpler at sea level than thousands of feet higher. A striking example of the effects of altitude may be seen in egg boiling. A fresh egg will boil quite hard at sea level in five minutes. At 8,000 feet it requires about fifteen minutes to produce the same result. The older the egg, the longer required to cook it owing to the change in the albumen due to age.

When I first went to New Mexico I wrote experiment stations of the west, as well as to incubator manufacturers, to get some line on "what was what," but the sum total of the replies was limited to the moisture problem. No one had ever worked the problem out and it seems to me now that those living at 5,000 feet or above, who have hatching troubles, may find a suggestion or two in the following:

In the first place, in northern New Mexico and all through the mountains an ordinary Tycos hygrometer, which will most always show at least a quiver of 10 degrees at 103 degrees temperature, sea level, does not register at all in 103 degrees of heat, at 8,000 feet. A great deal of added moisture is therefore necessary in any incubator. In general, it requires at least two quarts of water a day in any two hundred or four hundred egg incubator. But even with that amount of added moisture eggs will not hatch within five weeks. Instead they are far more likely to have dried up and, just as in ordinary cooking more time is required to produce a given result at a certain temperature, so in hatching with the twenty-one days remaining a fixed point, a higher temperature than 103 degrees is required to give results in the time limit.

Roughly stated, the problem is about as follows:

To hatch in twenty-one days, eggs require a higher temperature than 103 degrees, but each degree of higher temperature in a small lamp machine means greater ventilation, and greater ventilation means greater evaporation, and that in a locality in which great evaporation is one of the chief stumbling blocks. Again, the greater the amount of added water, the greater the evaporation, and the rapid evaporation of water is one of the quickest ways of lowering temperature. We have, then, a sort of a "ring-around-a-rosy" problem which seems endless.

In reality, once the theory of the problem is understood, it becomes a technical question to be worked out in detail by successive hatches. With an Essex-Model machine the general plan followed was to start the eggs at 104 degrees for the first two days, and to spray the inside of the incubator, though not the eggs, with slightly more than one pint of water at noon each day, the lamp being filled and trimmed previously each morning. After the second day, when the eggs are turned twice each day, the temperature is allowed to go up to 105 degrees and the amount of water increased till by the end of the week the amount of water is about one and one-half quarts. With this amount of water the hygrometer will average around 45 degrees to 48 degrees. For the first two weeks both felts are left in and, as during the spraying they become quite soaked with water, they greatly reduce the ventilation through most of the day. During the last week the temperature is allowed to go up to 106 degrees and the spraying done twice a day, one quart of water being used each time. Throughout the entire hatch the cement floor upon which the machines stood was kept soaked by pouring pail after pail of water on it as often as it dried off. This course was followed until the eggs began to pip, at which time and as many times thereafter as judgment dictated, a cloth was loosely wrung out in warm water and laid over the eggs until dry. For the last week, only one felt was left in the machine.

By following this course I endeavored to strike a medium between the necessary possible things and those which, while probably advisable, were impossible of accomplishment. Under the procedure outlined above, I finally secured regular results of about 50 per cent of all fertile eggs from the start. I had difficulty with the fertility due to lack of green stuff, disease, altitude, etc., but the problem gradually worked itself out in a very satisfactory way. At the same time some hens hatched out their eggs in seventeen days and others in thirty-two days, and the long and short periods of incubation brought such confusing results that little could be argued in their favor.

Strange as it may seem, the duck and goose eggs incubated best when set under cover in a dry place. Most of the goose eggs set under geese and bringing good results, ran from one to two and even three weeks over time.

It is the intention this year to eliminate the spraying of the incubators by putting a steam jet into the heater jacket of the incubator. But steam varies in its humidity with its temperature, and becomes rather a problem for a poultryman. An-

other machine is to be fitted with a water tray on top of an electric heater, this insuring a steady, even, governable evaporation of water. If none of these work as expected, plans for a new heater, injecting live steam directly into the machine, thereby using both the heat and the moisture, are under way.

In any event the matter was carried far enough to show that despite the lack of oxygen in the air, excessive ventilation is unnecessary through the bulk of the hatch; that a given amount of water is required during the hatch; that more heat, even as high as 108 degrees, is necessary; and that the laws governing cooking are closely allied to those governing incubation. A second year's work should bring additional interesting results. Also there seems to be little difficulty in raising chicks hatched at that altitude.

Hatching Chickens by the Million

Enormous Production of Eggs and Baby Chicks at Petaluma, California

By John Y. Beaty



IT is not an unusual sight in traveling through certain sections of sunny California to see by the side of a building a huge pile of white material, looking at a little distance like snow, and towering above the gable of the building. And this at a time of the year when vegetation is green. The white pile, however, is not snow, but egg shells. This immense pile of shells represents the accumulation from one of the large hatcheries maintained in the great poultry centre of California with its largest shipments from Petaluma. Here chickens are hatched literally by the millions.

The average poultry raiser, of which there are thousands in this district, specializes on the production of eggs. He puts his entire time and effort on this end of the business and depends upon the large hatcheries for renewing his laying stock.

Over ten million dozen eggs were shipped in 1912 from Petaluma alone, so it can readily be seen that it requires a great many chicks to replace the laying stock that must be yearly discarded.

There are fifteen or twenty large hatcheries in this poultry centre, the largest of which has a capacity of 165,000 eggs at each sitting in mammoth machines, each machine extending across a room fifty feet wide. These machines are heated by gas and cared for by seven men, who devote their entire time to regulating the machines, turning the eggs and removing the chicks when hatched. The eggs are secured from poultrymen making a specialty of producing eggs for hatching. Before being put into the incubators they are carefully culled, and the usual thin shells, thick shells and deformed shelled eggs discarded. When the trays are put into the machines, they are filled with the best eggs that can be secured.

Some of the hatcheries are in operation during the entire year, the heat never being turned off, but the flush of the season is from January to July. For example, the largest of the hatcheries shipped out 58,850 chickens in January, 1912, and in the busiest month, March, 164,700.

Twice a day the eggs are removed from the incubators and placed on top of the machines, as shown in the accompanying illustration, and after being turned, returned to the machines.



Baby chicks being made ready for shipment. See article "Hatching Chickens by the Million."

At hatching time, after the chicks are well dried off, they are taken from the incubators to the shipping department, where weaklings are killed, only the strong, well-hatched specimens being placed in the shipping boxes.

The chicks are shipped in the usual fibre-board boxes, divided into four compartments, each one of which holds twenty-five



Interior view of California Mammoth Hatchery at cooling time. Capacity 165,000 eggs. See article "Hatching Chickens by the Million."

fluffy baby chicks. The chicks are sent by express sometimes quite long distances, and the percentage of loss is very light, due probably to the fact that all weaklings are discarded and that the newly hatched chick needs no food for the first day or two, and arrive ready and anxious for their first feed.

Day-old chicks in this section are sold at ten cents each, as a rule; though some of the best hatcheries get as high as fifteen cents each.

Production Cost of New-Laid Eggs

Comparison of Per Dozen Cost and Price of Eggs, Month by Month—Seventy-five Cents Profit per Hen to Pay Manager

By Frank Jones

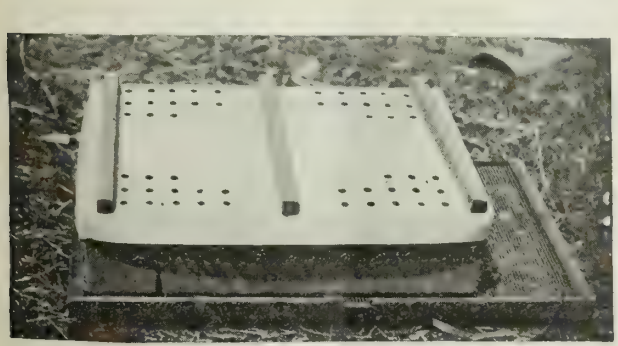


YOUR November article on cost of eggs interested me so much I read it aloud to the wife. I don't believe you will get many answers to your call for accurate cost accounts. Few are kept. But why does everybody talk in annual costs and annual averages. It doesn't mean much. Monthly accounting tells the story more truthfully. Annual food-cost per dozen is mostly dribble. Actual per-dozen cost each month is what is wanted as a guide to selling price. Both cost and selling price vary all the time.

A few years ago I read a Cornell Station bulletin that gave the food-cost per dozen all the way from about six cents up to six dollars. That had me guessing. Some of the nature-fake stories about hen profits, all the way from $2 to $12 a hen annually, make me smile. Although it was reading this nature-fake dope that got me into the egg farm business. I expected to make a fortune and retire early. I like to read that kind of dope, though, it helps to keep me from brooding over being a hen man. But, joking aside, I don't believe all I read.

I was a clerk, had short hours and couldn't live on my salary. That's why hen profits appealed to me. I wanted more money and easy money. I am still a clerk at $1,800 a year. I work in the city six or seven hours a day and spend an hour and a half a day commuting. I average about four hours a day working for the poultry farm, employ a man all the time and keep a horse. I can't live decently on my salary alone and send my children through school. I need an extra $1,000 or more a year to keep things going. Last year I got about $1,500 out of my hen farm to pay for my own services, and I feel good about it, too. I have quit expecting nature-fake profits.

In October, 1912, I had 1500 early pullets and a few over 500 year-olds. I did not raise any chickens in 1913 and was able to buy early pullets this last fall at about $1.50 each, mostly from folks I sold eggs to in the spring. I couldn't get



Corrugated fibre-board shipping box used for day-old chicks. Plenty of ventilation supplied by holes in top. See article "Hatching Chickens by the Million."

as many good pullets as I would like. This winter my flock is about half pullets and half year-olds.

I figure the difference between selling price of the hens and cost price of pullets as expense. Losses count as expense. My expense account includes all hired labor, cost of keeping the horse, feed, interest and other upkeep.

I didn't start to figure monthly cost of eggs per dozen until December, 1912, "egg price war." The slump in egg prices that winter hit me hard and I tried to get actual cost. Each month I figured, as near as I could, the total expenses of the hens for the month, not including my own services, and divided that expense by the number of eggs produced and got the actual monthly per-dozen cost. I manage the plant, pack, candle and sell the eggs and buy all feed, and do all the work on the man's days off. That is what I get paid for. Here are the average production costs and average selling prices month by month from December, 1912, to November, 1913, inclusive. This has

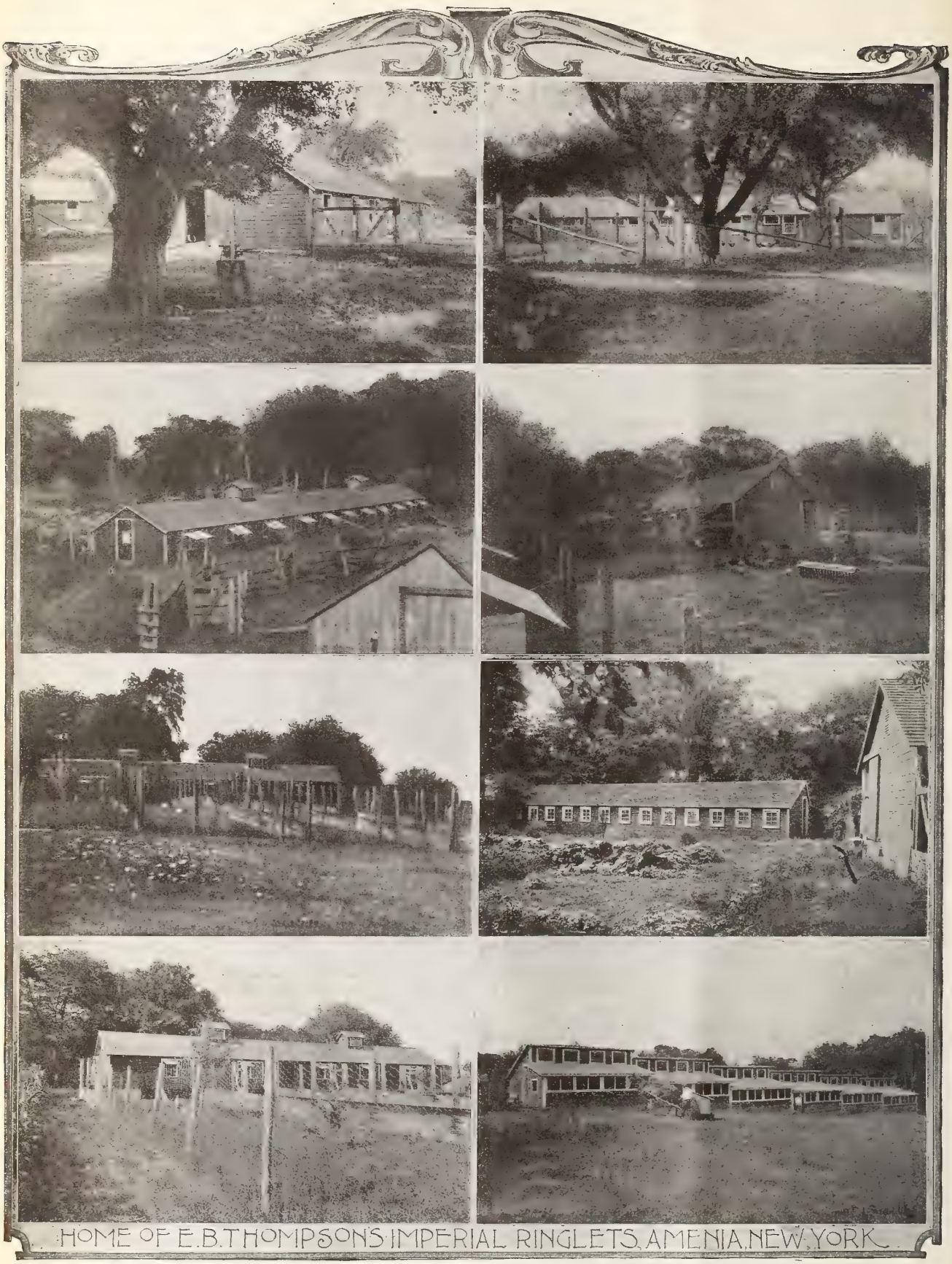


SINGLE COMB RHODE ISLAND RED.
"Lady Autocrat," bred and raised on Bell-Vista Farm, Mentor, Ohio.

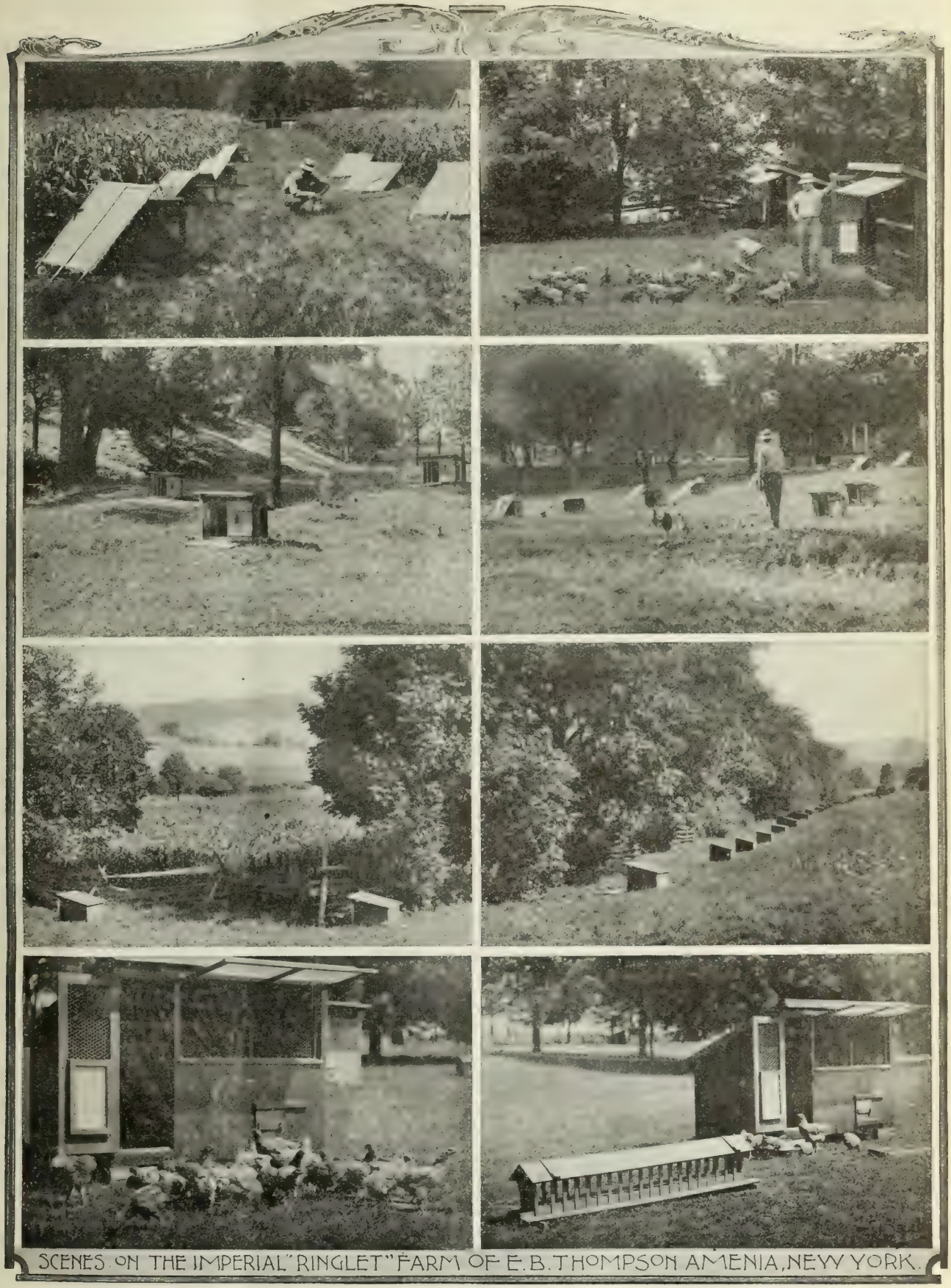
been my best year out of the last five and I find that it doesn't take much to shift the balance from the profit to the loss side.

Month.	Net Production Cost per dozen eggs (average) cents.	Net Selling Price per dozen eggs (average) cents.
1912.		
December	46	40
1913.		
January	32	35
February	25	30*
March	17	24*
April	15	22*
May	16	24
June	18	26
July	21	30
August	25	35
September	33	38
October	45	49
November	50	55

* In these three months 24 cases of eggs were sold for hatching at market prices. Part of my pullets came from these eggs.



The pictures shown above give an idea of what may be accomplished by persistent and concentrated effort. Mr. E. B. Thompson, the owner of this farm, has made a life study of Barred Plymouth Rocks and by concentrating his efforts and time to this one variety has built up a most wonderful business.



Scenes on the poultry farm of E. B. Thompson, Amenia, N. Y., the home of the "Ringlet" Barred Plymouth Rocks. This is the largest and most up-to-date poultry farm in the country devoted exclusively to the breeding of Barred Plymouth Rocks.

Some Pertinent Poultry Paragraphs

"Quick Lunch" Suggestions and Practical Information on Many Subjects of Interest to Poultrymen

By H. H. Stoddard, Riviera, Texas



INVESTIGATE.

Follow nature.

Parasites make work.

Save the best cockerels.

Nature's darlings are the strong.

Attend the shows. Good for you.

Winter laying in cold climates is unnatural.

Women excel as poultry keepers in many respects.

History of civilization almost means history of labor saving.

That feeding meat will cure feather eating is a fallacy.

A great many branches on one farm are not a blessing but a curse.

Underfeeding causes small eggs. They should be 24 ounces to the dozen at least.

Don't be a slavish imitator. Get in an original "quirkum" on your own hook.

If there was ever a roosting place for dogmas, it is in the poultry business.

Do you try to tell visitors something useful about poultry? They won't listen. They know it all.

Utility poultry plants have failed in great numbers during the last forty years, principally because, as contrived, they made too much work.

Natural obstacles are sometimes no detriment to the man who knows. They put others out of the race and give him a monopoly.

Locality is very important in modern business. Manufacturing plants have to be moved sometimes, experience having shown that they were in the wrong place.

It uses up more time to take care of the fowl house at the North, than to do the whole poultry work where houses are unnecessary.

Labor-saving contrivances are valuable in poultry business on a small scale, but it is on the big plants of the future that they will specially shine.

Invention of the open-front roost revolutionized poultry keeping. Fowls were never "built" to stand close air when grown, whatever may be the case when they are only a few days old.

I would not give a last year's bird's nest for most of the cures proclaimed for poultry diseases, any more than I would for the abominable nostrums for human ills advertised in the newspapers.

Making a good race of fowls is just like making a good race of men, so far as mating is concerned. Scores of stocks should be fused together, but these should not be too diverse to nick well.

That "all things come to him who waits," may be true, but death will be one of them if he waits too long. The modern ways of doing business demand that you know a good idea when you see it and grab it p. d. q.

"If your boy was not born with courage, he may exhibit some but will never have any," and if he was not born with love for animals he may exhibit some, but he will never have any and will be badly handicapped if he tries either fancy or utility poultry-keeping.

They are saying that fowls will lay well till they are five years old! Important, if true; but, if true, how mistaken thousands of poultrymen have been for over a half century. Well, almost any whopping big mistake may be possible, since several monumental errors in poultrydom prevailed for an equal time before they were exploded.

There is much chicanery and fraud in the fancy poultry business, and so there is in any other kind of business. Have been trying, lo these many years, to find out whether in fancier's trade there is more or less deviltry than in other kinds of business, but haven't found out yet. Fanciers' circles, anyhow, comprise some more honest and better-hearted fellows, with fine sympathies, than any other class I have ever met.

He who develops health in fowls instead of vile degeneracy, and he who invents mechanical appliances to save labor in the poultry yard are both wealth producers, as truly as is the man who guides the plow or wields the hammer. Edison has produced more wealth by his brains than any ten thousand men ever produced by their hands in their whole lives. Dr. Woods has produced more poultry than all the sixty managing poultry editors of the present sixty poultry papers combined.

Ants are one of the worst pests the Southwestern poultryman has to contend with. They invade the nest just as eggs begin to hatch, and prey on the young birds. Nests of sitters should be supported on a rack standing on legs with these legs set in pans or cans of water. The cans which once contained canned goods may be turned to good account. During four years ants have troubled us only one year, and this is just about the experience of other people. But when they are troublesome they are very troublesome and must be set down in the list of drawbacks peculiar to this part of the country.

Three parties that I know of are now raising late fall hatched chicks, and all report thrift and vigorous growth of their S. C. W. Leghorns. One has fed nothing but cracked corn and skimmed milk. Another Milo maize and wet mash of shorts and bran. Another fed cracked corn and dry bran mash, with buttermilk for drink. Mother hens cooped and chicks allowed free range in each case. All three owners swell around and praise their respective feeding methods. Meanwhile said methods were not the chief factor, which was that the eggs hatched were from hens just beginning to lay after the moult.

This doctrine first set out in 1870, has had slow growth. A few fanciers, anxious to retard until spring the laying of the hens producing high priced eggs, have however practiced it to some extent. The free forage helped to balance the various rations to some extent in all of the three instances.

There was an era when the "symposium" had a great run in poultry papers. In response to a series of printed questions sent out to a score or so of eminent breeders, these would forward answers for publication. One query might be this: At what average age do White Leghorn pullets generally begin laying? The answers would range from four to five and one-half or six months, but how many of the replies were based on casual observations and how many on careful records for a series of years, followed by accurate figuring of averages? The fact that answers were invariably given four, four and a half, five, five and a half, or six, instead of most of them being in intermediate fractions, as would have been the case if averages had been carefully reckoned, was a dead giveaway.

In stating the egg yield, answers would be 125, 130, or perhaps 140, 155 or 160; but always even tens or fives, showing that it was all guesswork. Statistics based on guesswork of parties who have something to sell are mighty poor statistics.

The trouble with the new light evolutionists is that they don't deliver the goods. They were going to show how poultrymen could, by Mendelism, accomplish in three years as much in fixing type as had ever been previously done in six years. They can "point with pride" to no valuable practical results whatever, and a foremost representative of theirs at last A. P. A. meeting was driven to a virtual admission of the fact that their efforts were as empty as a cuckoo's nest in March.

A late prominent contention by a writer so worthy of respect that it should command attention, is to the effect that almost the whole body of poultry keepers have been mistaken in thinking it unprofitable to keep hens beyond their first or second laying seasons. Very likely somebody started the decrying of three-year-olds on insufficient evidence, and the crowd repeated the yarn, parrot-like. Well-guarded experiments are needed. In some cases where three-year-olds or four-year-olds have failed in laying to a paying degree, the management the first and second years may have been the cause.

Again and again we hear of experiments that do not amount to a hill of beans because there is a stitch dropped.

A friend, who is a staunch advocate of "breeding in line," thinks my prescription in December JOURNAL, of breeding

brother and sister, is "too drastic." Well, this friend begins his breeding with stock nowhere near as vigorous as my sixteen-in-ones are. If his can stand a certain closeness of relationship in breeding without becoming sick or weak, mine can certainly stand a much closer. And, by the way, this friend's fear of the evils of closeness is virtually a recognition of the merits of out crossing, and of this wholesome practice his method offers none, while mine bestows it in bigger measure than is afforded by any system previously published. Again, there is lots of leeway. Breed less closely, if you choose, during the later years embraced in the scheme.

Another man objects to the trouble involved in securing so many different unrelated stocks. Right here co-operation shines with signal luster. A fellow believer can co-operate with you and each need collect but eight stocks. Or better, four good fellows can hitch horses and each will need to procure but four stocks, which is not much of a job.

The projected Water Level Railroad from St. Louis to the Panama Canal, as described by B. F. Yoakum, the railroad magnate, and which had aid guaranteed by the Mexican government previous to the late unpleasantness, will most assuredly be built when order is restored beyond the Rio Grande, and will parallel the great United States intercoastal canal through the whole extent of Southwest Texas, the future great poultry world. The service which one of these lines cannot accomplish to the best advantage, the other can.

The road will be a novelty in engineering, second only to the Panama Canal itself, and the business it will transact, connecting as it will the great middle west with virtually the rest of the whole world, staggers imagination. "A dream of empire," Mr. Yoakum well calls the project. "Trains carrying a tonnage greater than any of the steamships leaving New Orleans could move more easily and swiftly to the Canal Zone on the proposed road," he said.

It can be seen at a glance that terminal facilities for loadng and unloading ponderous cargoes by bigger traveling derricks and electric automatic machinery, and moving such cargoes by means of engines and cars heavier than any ever built previously, will follow as a matter of course, and serve to lower the cost of transportation. Water carriage has always beaten the water level railroad in Germany, but this road is to be different from any ever built, because colossal and its rolling stock likewise, and not adapted to run on any other road.

I have an interesting letter from a stranger who thinks I "draw a long bow," when I say that traits may skip thousands of generations and then crop out. He considers them "simply abnormal, just freaks that start up in accordance with no known law," and since I, he says, "insist that nature imposes the things that are necessary," he asks what necessity there can be in "keeping, lingering in the blood, traits once rejected and put out of business by natural selection said to act through long periods?"

Now let our friend imagine what would be the case if traits were inherited only through short periods, that is but from a few generations back. If this were so, environment must act quickly in effecting changes or there could be no selection to give a race the adaptation to its surroundings necessary to its survival in a world where all life is maintained by continual strife. But if it always acted quickly there would be dozens of new varieties of every species of plants and animals on the stage at one time, and all living things would present a jumble. In fact there would be no real species at all, and the adaptation would in most cases be very imperfect, because they would not have been subjected, as now, to the test of time. This state of affairs would not be best. But yet in some few cases there are sudden changes or "leaps," making new varieties or even new species, as De Vries proved.

Nature seems to have recognized that though conservatism is the best as a rule, a few exceptions in the shape of changes, as "sudden" as the proposal a woman has angled a year for, are of advantage too.

Old dame nature thus has two strings to her bow, the De Vries string, however, being seldom used.

As a matter of fact, and not of hypothesis, the inheritance of ancestral characteristics millions of years old is easily proved, over and over again, in many ways. For example, though I know not how greatly or how scantily hirsute, the writer of the letter above referred to, look at the persistent "fur" on his wrist for evidence of the descent of a feature which came down from his ancestors who went on all fours and were "educated in the higher branches."

In American Poultry Advocate for November we read that "how to feed a hen to secure the maximum egg production is still an unsolved problem!" Ye gods and little fishes! This statement was made in a formal address before the Connecticut State Poultry Association by the owner and manager of one of the most successful utility poultry plants in this country or any other.

Thousands of poultry keepers in hundreds, yes, hundreds of poultry periodicals alive and dead, have for forty years been writing on poultry feeding; and at poultry plants costing tax payers enormous sums in all, at State Stations, food conglomerations have been mixed to be forced down fowls' throats on the principle of, "take that or starve." The recipes for these wonderful concoctions, each surely better than any of the others, would fill a book. Yet how to feed poultry is still an "unsolved problem"!

After saying that the problem is unsolved, the speaker proceeds to declare that

"To get a maximum egg yield, practice has proved that all grains should be given at one feeding; to allow a dry mash before them at all times for best results. Experimenting with different combinations of wheat, corn and oats as whole grains; bran, middlings, corn meal, alfalfa. Linseed meal and beef scraps in dry mash will make performances square with theory. One pen of 6 hens 5 years old proves much of the above. This pen is closely confined with a board floor in house and a small yard bare of anything green; a dry mash is continually before them; they get no attention but once in 24 hours at 4 p. m., at which time the water pan is usually filled with fresh water and their allowance of mixed grains is thrown on the board floor and eggs picked up for the day; they get no green food whatever."

Well this is getting interesting. The "problem" is not only solved, and an unsolved one "both at wunst," but on top of that a new slogan comes wafted on the ambient air. A yard "bare of anything green" and no green food whatever allowed, yet all Petaluma, and pretty much all the rest of the poultry world have been insisting on green food; and who shall decide when doctors disagree? It would seem anyway, as though in a consultation, if there are ten thousand doctors on one side and a single dissenter on the other, the fellow would be rather lonesome.

The quotation is somewhat obscure, but it plainly states one thing, which is that to "make performances square with theory" you must begin "experimenting" with different combinations of wheat, corn and oats, these whole; and bran, middlings, cornmeal, alfalfa, linseed meal and beef scraps in dry mash!

Has there been no "experimenting" with these meritorious ingredients already, during many weary years?

The attachment which fowls have to the particular range they have lived on for a considerable time is astonishing. From my window I can see a range of ten acres surrounded by a coyote proof fence of wire netting only three and one-half feet high, for the suspicious animal will not leap a fence even if it is low. Now another encouraging fact is that the fowl won't do it either, if the enclosure is large enough. They will keep running along side. If the enclosure was small they, being Leghorns, would be over such a fence quicker than you could say Jack Robinson.

Well, what I am coming at is, that on the west five acres of the ten there are three small clumps of bushes and trees, that seemingly do not amount to much, while the east five are as bare of trees and bushes as Mother Hubbard's cupboard was bare of dog feed; though this plot is well clothed with grass and various wild plants, which shelter and feed insects of corresponding abundance and variety.

Now, for three years though free to go to the east side they persistently keep away. There are but few grasshoppers on the west plot. You walk across there and almost nary a one will you see. On the east plot they are in abundance, affording, it would at first appear, an almost irresistible temptation. The explanation is that early in the game, when first allowed the freedom of the ten acres, and when scared at the immensity of this great world, the fowls kept near the trees and bushes. The gate through which they were let onto their range was not far from one clump, and at first they kept near it and later wandered to the next clump, and the next, and retreated to their yard by the same line of march, and gradually formed a confirmed habit of considering the west five acres their home.

Two things are especially stereotyped in fowls' brains, to-wit: Attachment to their roosts, and attachment to their "beat," when you turn them loose and undisturbed, to allow their ancestral nature to assert itself so that they may select a beat to be attached to. When once this adopted they will stick to it with the fidelity that the unmarried policeman is supposed (in theory) to stick to his beat at night, untempted by the proverbial handsome cook with her doughnuts and coffee in a kitchen, on his line.

This trait of fowls is far from being merely a curiosity. It is extremely valuable to the keeper who has an ample range available.

For forty years the colony plan was practiced in all civilized countries and it was published and re-published, that by scattering fowl houses all over a farm at ten or fifteen or more rods apart, different flocks could be made to range by themselves without any separating fences, but it has been only lately published that the acreage, once considered proper for many widely separated small houses, can be furnished with one large house, or where climate permits, sets of open-air roosts close together, and with very little time and trouble, a number of large separate flocks can be made to range over their respective beats, and between them use the whole area that would, under the colony system, for a long time so popular, be occupied by widely scattered houses. Just here I cannot refrain from saying that for a half century that I know of, and a much longer previous period (during which comparatively little was found out by anybody about anything), study of the nature and habits of fowls has been lamentably neglected.

Utilization of their actions and capacities can, in many ways, save much in time, labor and dollars. My own disadvantages and drawbacks in poultry keeping, and I know that other people have had the same experience, have been largely owing to not studying my fowls enough, and intelligently enough. And there it is again. ignorance is at every turn, the great foe of mankind.

Eggs Are Wonderful and Needful Food

New-Laid Eggs From Well-Fed, Healthy Hens Are Second Only to Milk, the Most Wonderful Foodstuff in the World

By Prince T. Woods, M. D.



SCIENTISTS agree that wholesome fresh milk is the most wonderful complete foodstuff in the world. It combines every variety of nutritive constituents ready for immediate use and easy assimilation. The milk of every mammal is a well-balanced, well-suited, accurately fitted food for the young of that animal, and it varies according to the special need of the particular animal for which it is intended. More than that, milk is a wholesome, complete food, ready for use of man and easily adaptable to his needs.

"Next to milk, eggs are the most wonderful foodstuff in the world," says Dr. J. B. S. King, an authority on the chemistry of food and dietetics. A hen's egg of average size will weigh a little more than two ounces—eight eggs running a little over a pound. Well-fed, selected eggs can be had that will run six eggs to the pound. Large eggs have been produced that will run five eggs to the pound, and at the beginning of laying it takes eight pullet eggs to make a pound.

"Uncle Dudley," in an excellent editorial on "Eggs and Hens," in the Boston Sunday Globe, November 16, said:

"An Egg Superstition."

"If it were not for the widespread belief that eggs cannot be dispensed with as an article of diet, we should never have heard of the 700,000 members of the Housewives League engaging in 'a 30-cent egg war.' But the belief is not altogether well founded. Eggs are highly useful, beneficial, nutritious, but not indispensable.

"All the food elements they contain are in other common articles of diet. Most meats have more nutritive value, more protein and fat and less water than eggs. It is an old superstition that one egg is equivalent to a pound of beefsteak. In fuel value a whole dozen eggs does not equal a pound of round steak.

"But eggs are popular because they are digestible and are easily prepared. It is less work and it takes less time to boil an egg than to broil a steak for breakfast. In that simple fact may lie an explanation of the great demand for eggs and of the ensuing excitement when prices rise.

"The difference between the actual food value of a storage egg and that of a fresh laid egg is more than offset by the very great difference in price. If it were not for their unfortunate flavor, storage eggs would not be in such ill-repute, for the amount of nourishment—of tissue-forming and fuel-producing qualities—they contain is not seriously diminished by a sojourn of reasonable length in a storage warehouse.

"Should every one keep hens who has a backyard in village or country? Not unless he likes hens and has indulgent neighbors."

Besides the paragraphs quoted above, there was over a column and a half more concerning eggs and hens in that editorial, dealing with egg boycotts, crusades, egg hysteria and certain town and city ordinances which prohibit poultry keeping within town limits. It is good reading, but we haven't space for it here. We discussed the egg war and egg prices in other articles.

Are Eggs Indispensable?

"Uncle Dudley" will find it hard work to convince cooks and housewives that eggs are not indispensable. Ask any good cook and you will learn that eggs have a multitude of uses in the preparation of our daily food. It is easier to tell what eggs are not used for than it is to enumerate the many and varied uses for which the good housekeeper finds eggs necessary. Eggs in various forms are served raw to invalids and convalescents and in a great variety of drinks for the well and strong. Boiled, fried, poached, scrambled and in omelettes, they help wonderfully to give variety and wholesomeness to the daily bill of fare. Practically all desserts require eggs—cakes, puddings, many kinds of pies, custards, souffles, dainties and doughnuts fried in deep fat, ices, many kinds of bread, most entrees and salads, many sauces, frostings and confections, and a multitude of other uses in cookery, too numerous to mention, all call for eggs, eggs, and still more eggs.

The average well-fed family of four will find it difficult to get along comfortably with less than five eggs a day. If you do not consider that a conservative estimate, just bear in mind the fact that the statistics for New York City show a per capita consumption of eggs averaging one egg a day for each inhabitant of Greater New York, and the city of Boston, Mass., shows an average daily consumption of eggs of 2¼ eggs for each inhabitant.

Now, maybe eggs are "not indispensable," we could live without 'em, but we would find it mighty hard to get along without this most desirable, delicious and easily digestible food. Mankind has fed on eggs for some thousands of years and it will be difficult to stop his clamor if he fails to get 'em. We want more eggs, better eggs, and better returns for the producers of good eggs.

What an Egg Contains?

Consider the wonderful composition of an egg. Within it are found in proper proportion all the elements necessary to build all the tissues of a completely formed chick and the possibility of a new life. It is not only complete food, it is more (when fertile), it is a new life, a separate existence, in potential form.

Assuming that the weight of an average sized egg is two ounces, about .22 of an ounce (or about 11 per cent) is shell; about 1.14 ounces (or about 57 per cent) is white; and about .64 of an ounce (or about 32 per cent) is yolk. In food uses the shell, which is chiefly lime carbonate, is waste.

The white of an egg is practically pure albumen in solution. It contains 85 to 88 per cent of water, about 12 per cent protein and a very small amount of fat and minerals. The mineral content is in the form of carbonates, sulphates and chlorides by combination of potassium and sodium with sulphur, carbonic acid and chlorine.

The yolk of an egg is a wonderfully complex substance. It has from 15 to 16 per cent protein and from 32 to 33 per cent fat. Mineral matter is found in the yolk in much greater pro-

portion than in the white and includes salts of iron, much phosphorus and lime. According to Dr. King, "Seven egg yolks daily would supply all the iron required by a man of average weight. The peculiar value of the yolk of egg is the large amount of phosphorus and iron it contains in organic combination, and hence an easily absorbable form."

The clear yellow oil, or fat, of the egg is one of the most easily digestible forms of fat. In this oil are found olein, palmitin and sterin. Lecithin, a phosphorized oil, one of the most essential and valuable constituents of brain and nerve tissue, is present in egg yolk in considerable quantity. It is said that an ordinary egg yolk contains about 16 grains of lecithin, or sufficient to feed the brain and nerve cells of the average man for one day, and on the strength of this an egg for breakfast daily has been recommended as one of nature's best medicines. Cerebrin, another constituent of the human brain, is also found in egg yolk. Nuclein is also present.

Carbohydrates, a source of energy and muscular movements, are not found in eggs, but are easily and cheaply supplied in most food combinations.

In looking over a large number of analyses, when preparing this article, we found considerable variation. Some eggs ran as low as 11.9 per cent protein, 9.3 per cent fat, and others as high as 15.5 per cent protein, 13.96 per cent fat. The ash or mineral salts varied from .64 to 1.41 per cent. The water content varied from 64.8 to 70 per cent. It is apparent that well-fed, well-cared for hens will produce the best and most nourishing eggs. Selected new-laid eggs from well-managed flocks have a value all their own.

Food Values.

"Uncle Dudley" says: "In fuel value a whole dozen eggs does not equal a pound of round steak." Well? One good egg will yield about 89.7 (plus) calories of energy. Eight such eggs, or one pound of eggs, will yield about 718.2 calories. A pound of round steak will yield about 950 calories. One dozen good eggs will yield about 1076.4 calories of energy or 126.4 more calories (units of fuel value) than a pound of round steak. A pound of egg yolk will yield about 1672 calories or greater fuel value than any food cut of beef.

While calorie value may be used as a basis of comparison, it is not always a fair comparison of values. A pound of eggs will go much further toward satisfying the family appetite than a pound of round steak. Eggs are very palatable, easily digestible and very satisfying. They have become one of the great food essentials and hold their high place on actual merit. A pound of wheat has a food value of 1675 calories and a pound of oats a value of 1850 calories, but we won't abandon eggs and steak for a while yet to feed on a diet of wheat and oats.

Attention has been called to the fact that eggs contain about 70 per cent water. Well, what of it? All foodstuffs contain more or less water. Round steak has 65.5 per cent water. Sirloin, when lean, has about 70.8 per cent water and when fat about 54.7 per cent. Average lean meat is about 75 per cent water. Bear in mind also that with average meat as purchased there will be more waste, pound for pound, than with equally good eggs. A table of comparative food values is given below. We are not responsible for the figures, which are averages from a large number of analyses, and are taken from several works on food chemistry.

Comparative Table of Foodstuffs.

Foodstuffs.	Water.	Protein.	Fat.	Carbohydrate.	Ash.	Fuel Value per Pound.
EGGS	70.	14.8	10.5	.....	1.	718.2
Round steak...	65.5	20.3	13.	.....	1.	950.
Chuck (fat)....	62.7	18.5	18.	.....	1.	1105.
Sirloin (lean)..	70.8	24.6	3.7	.....	1.3	615.
Sirloin (fat)....	54.7	17.5	27.6	.....	.9	1490.
Cod fish.....	82.	16.5	.4	.....	1.2	325.
Oysters	88.3	6.	1.3	3.3	1.1	230.
Cow's milk.....	87.	3.5	3.7	4.8	.7	310.
Wheat	10.6	12.25	1.75	71.25	1.75	1675.
Oats	10.	12.	4.5	58.	3.5	1850.
Corn	10.75	10.	4.25	69.45	2.5	1730.

That is table enough and sufficiently accurate for all practical purposes in comparison. We do not submit it as a basis for figuring a dietary. It does show, however, that the chemistry of food is not the whole thing—not by a jugful. Calorie value or fuel value is all well enough, but it only measures the possible fuel units in a given food. It does not measure digestibility, palatability, appeal to the appetite, or quantity easily assimilated by the one who consumes the food. So please don't overestimate the chemical analyses or fuel values. They have their uses, but are only factors in considering actual food values.

Appeal to appetite is an important factor in selection of food. Forced feeding on food that does not appeal to appetite (is not relished) results in indigestion. Ease of digestion, completeness of assimilation, rapidity of digestion, and satisfaction of the hunger craving, all are important factors in considering foods.

Sawdust, for example, has no food value and is indigestible, yet an analysis will show that it has a calorie value about the same as starch, which is digestible and nutritious.

Six or eight good new-laid eggs possess more actual food-fuel value than a pound of lean sirloin steak and less than a pound of fat sirloin or of round steak. Well, who wants to eat much round steak or the fat rind of a sirloin, anyway? All things considered, a pound of eggs is equal in real food value to the average pound of good edible portions of beef. Pound for pound, the best winter eggs and the best beef cost about the same at the present time, and the price of beef is not likely to lower much in the next few years. It is much more apt to keep on going up in price. If what the packers claim is true, we may expect a beef famine within the next ten or fifteen



years, but the good Biddy hen is working hard to increase her output of eggs and to continue to give us big values.

Eggs are palatable and appetizing food. Everything but the shell is easily and rapidly digested and is in a form readily made use of by the tissues. Eggs contain feeding elements of the greatest value and they may be eaten raw or cooked in a multitude of ways, all of which appeal to the appetite. Nervous and anaemic people are greatly benefited by the proper use of eggs as food. For persons suffering from wasting diseases and for convalescents, eggs prove restorative and extremely useful. Growing children are greatly benefited by liberal use of eggs in the diet. In fact eggs, next to pure milk, are the best food and most adaptable foodstuff we have.

However, eggs used for food should be new laid. The stale or storage egg is not appetizing. The fresher an egg is when used for food the better it is. Food eggs should be from healthy, vigorous hens that are well fed and well cared for. It costs money to make good eggs. A good article of food isn't to be had for nothing at the present time. Well-fed, new-laid, wholesome eggs are good food, the best of foods, and selected eggs of good size are well worth five cents each.

The Second National Contest Closes

English Pen of S. C. White Leghorns Wins First—R. C. White Leghorn From Missouri Makes the Best Individual Record

A gain of nearly ten eggs per hen was made in the second National Egg Laying Contest which just closed at the Missouri State Poultry Experiment Station at Mountain Grove. The hens averaged over 143 eggs per hen. This increase would indicate that poultrymen everywhere are devoting more time and attention to selection for egg production and constitutional vigor. We believe we will see this average increase from year to year. We had at this station over 100 hens which made an average of 225 eggs per hen last year. We had several flocks of thirty to fifty hens each of different varieties which averaged 150 to 175 eggs per hen. We believe that the average poultryman has just begun to realize the possibilities of careful breeding and selection. Last month we predicted that before long the 300-egg hen was a possibility and would be heard from in the near future, and this month the news comes from a reliable source that one hen has laid 303 eggs in 365 days.

A dainty little R. C. White Leghorn pullet No. 55, from Maryville, Mo., worn and ragged because of her year's hard work, and weighing only 2¾ pounds, won the prize for the best individual record with 260 eggs. She laid twelve times her own weight in eggs. She manufactured more pounds of eggs from her body weight than any hen in existence. An S. C. White Leghorn from England was second with 258 eggs; a Buff Wyandotte from Vermont was third with 255 eggs; a Buff Wyandotte from Missouri was fourth with 253 eggs; and an S. C. White Leghorn from England was fifth with 246 eggs.

The S. C. White Leghorns from Catforth, England, made the best pen record with 2,073 eggs. Seven of the ten hens in this pen laid over 200 eggs each. One of the hens in this pen died, and one was out of condition for sometime, and nearly all went into a moult about two months before the contest closed, and these things all tended to lower their record, but in spite of these facts, they were 189 eggs in the lead of their nearest competitor. Buff Wyandottes from Missouri won second prize with 1884 eggs to their credit, Silver Wyandottes from Iowa were third with 1,877 eggs, White Wyandottes from Arkansas were fourth with 1,759 eggs, and R. C. White Leghorns from Missouri were fifth with 1,724 eggs.



First prize S. C. R. I. Red Cockerel, Cleveland's Coliseum Show, December 2-7
Shown by Ira M. Crowther, Box A, Willoughby, Ohio

There is nothing especially sensational about any of these records, and we are glad that there is not. They are just such records as any poultryman can get who practices good sensible methods of housing and feeding, and who devotes some thought to selection and breeding. Sixty-four hens laid over 200 eggs, or over 10 per cent of all which were entered in the contest went over 200 eggs. A pen of S. C. Rhode Island Reds from Florida won the silver cup for November by laying the most eggs that month.

The standing or rank of the varieties for the two years' contests has been as follows:

	Eggs per hen 1912.	1913.
All S. C. White Leghorns averaged	143	173
All Silver Wyandottes averaged	160	172
All Buff Wyandottes averaged		167
All Black Langshans averaged	156	160
All Black Minorcas averaged	145	158
All White Wyandottes averaged	125	151
All Anconas averaged	139	149
All Barred Plymouth Rocks averaged	126	148
All R. C. White Leghorns averaged	127	146
All S. C. Brown Leghorns averaged	122	144
All R. C. Reds averaged	150	142
All White Orpingtons averaged	150	140
All Buff Plymouth Rocks averaged	120	139
All S. C. Reds averaged	156	139
All Buff Orpingtons averaged	147	134
All White Plymouth Rocks averaged	118	132
All S. C. Buff Leghorns averaged	115	128
All Black Orpingtons averaged	155	128
All Partridge Plymouth Rocks averaged	124	110
All Partridge Wyandottes averaged	99	110

The hens consumed about 36 pounds of grain each, or about one pound more than last year, and about the same amount of dry mash.

The egg yield by months has been as follows for the two years:

	1912	1913		1912	1913
November	3,118	1,711	June	9,798	10,411
December	5,082	5,215	July	8,875	9,687
January	3,203	7,016	August	7,015	7,691
February	6,442	8,666	September	5,716	6,424
March	10,828	12,889	October	3,832	4,652
April	12,458	12,997			
May	11,478	12,455	Totals	87,843	99,814

A pen of Black Langshans owned by L. E. Meyer of Bowling Green, Mo., made the best pen record for a single month laying 248 eggs in March. The following pens and varieties won silver cups for the various months:

November—Pen 43, S. C. Reds, Florida.
December—Pen 2, S. C. White Leghorns, England.
January—Pen 2, S. C. White Leghorns, England.
February—Pen 56, White Orpingtons, Kentucky.
March—Pen 57, Black Langshans, Missouri.
April—Pen 26, Buff Wyandottes, Missouri.
May—Pen 9, S. C. Brown Leghorns, Missouri, tied.
May—Pen 39, Barred Plymouth Rocks, Iowa, tied.
June—Pen 1, Anconas, Missouri, tied.
June—Pen 11, Black Minorcas, Iowa, tied.
July—Pen 1, Anconas, Missouri.
August—Pen 10, R. C. White Leghorns, Missouri.
September—Pen 26, Buff Wyandottes, Missouri.
October—Pen 26, Buff Wyandottes, Missouri.

It will be seen from the above that the Missouri breeders have made considerable advancement during the past year, and are holding their own with the world. Eight out of the twelve months, Missouri pens either led or tied for that month. Missouri hens win first and fourth, and Missouri pens win second and fifth prizes. The State Labor Bureau has recently reported that the surplus poultry and eggs shipped in this state during the past year amounted to over $48,000,000. The Missouri hen is not doing so bad after all. We are glad to have the outside world come in and compete with us. The next contest includes hens from many states, and the best from many foreign countries. We are informed by their government authorities that Australia and New Zealand are sending their best. The Rhinelanders are said to be the best that could be obtained in Germany, and have won many prizes in that country. We know that the Campines from England and South Africa are to compete. The best to be had in Canada, Vancouver Island and the United States are entered, and on the average the birds all appear to be better in every way than those entered in previous contests. The ones which win in the next contest can truly claim the championship of the world. No such collection of high bred-to-lay pullets were ever before assembled at one place in the world. Barring accidents, we

look for some especially good records for the next year.

In the feeding test where pens of five S. C. White Leghorns and five Buff Orpingtons were fed for a year, the results were as follows:

Pen.	Eggs.
63—Fed according to Maine method	1,598
62—Fed according to New York method	1,522
67—Fed with Norwich feeders	1,510
70—Fed and confined to house continuously	1,495
64—Fed according to Canadian method	1,480
68—Feed kept before them at all times	1,403
69—Fed simple farmer's ration	1,402
65—Fed according to Saylor method	1,399
66—Fed according to any egg farm method	1,318
61—Fed according to Connecticut method	1,232

The following prizes were won for the year:

Best Pen Record—$50.00.

Pen 2—S. C. White Leghorns, Tom Barron, Catforth, England ..... 2,073 eggs

Second Best Pen Record—$25.00.

Pen 26—Buff Wyandottes, C. H. Rogers, Eagleville, Mo..1,884 eggs

Third Best Pen Record—$15.00.

Pen 19—Silver Wyandottes, V. G. Warner, Bloomfield, Iowa ..... 1,877 eggs

Fourth Best Pen Record—$10.00.

Pen 20—White Wyandottes, S. L. Todd, Green Forest, Ark. ..... 1,759 eggs

Best Individual Record—$20.00.

Hen 55—Pen 10, R. C. White Leghorn, Missouri..... 260 eggs

Second Best Individual Record—$15.00.

Hen 62—Pen 2, S. C. White Leghorn, England..... 258 eggs

Third Best Individual Record—$10.00.

Hen 860—Pen 30, Buff Wyandotte, Vermont..... 255 eggs

Fourth Best Individual Record—$5.00.

Hen 600—Pen 22, Buff Wyandotte, Missouri..... 253 eggs

Best Pen Record of Each Variety—$5.00.

Pen.	Eggs.
1—Anconas, Mrs. Daisy Rose, Bois d'Arc, Mo.	1,711
2—S. C. White Leghorns, Tom Barron, Catforth, England.	2,073
9—S. C. Brown Leghorns, T. W. Lynes & Son, Fulton, Mo..	1,532
10—R. C. White Leghorns, Jno. S. Gross, Maryville, Mo.	1,724
11—Black Minorcas, Wm. McNeal, Waterloo, Ia.	1,685
18—S. C. Buff Leghorns, W. L. Rohlfing, Berger, Mo.	1,468
19—Silver Wyandottes, V. G. Warner, Bloomfield, Ia.	1,877
20—White Wyandottes, S. L. Todd, Green Forest, Ark.	1,759
21—Partridge Wyandottes, Lester Howell, Monett, Mo.	1,310
26—Buff Wyandottes, C. H. Rogers, Eagleville, Mo.	1,884
43—S. C. Reds, Lakemont Poultry Farm, Winter Park, Fla..	1,585
32—White Plymouth Rocks, Elbert E. Lawrence, Craig, Mo.	1,389
33—Barred Plymouth Rocks, Wilson Brooks, Morgan Park, Ill.	1,631
40—R. C. Reds, M. L. Puckett, Puxico, Mo.	1,467
47—Buff Plymouth Rocks, Thos. B. Elliott, St. Louis, Mo...	1,509
42—Partridge Plymouth Rocks, M. M. Daugherty, Jefferson City Mo.	1,276
57—Black Langshans, L. E. Mayer, Bowling Green, Mo.	1,609
58—Buff Orpingtons, Miss S. C. Fellows, Springfield, Mo...	1,509
59—Black Orpingtons, Canada	1,571
56—White Orpingtons, Russell Cave Poultry Yards, Lexington, Ky.	1,631

National Black Langshan Club Cup for Best Black Langshan Pen Record.

Pen 57—L. E. Meyer, Bowling Green, Mo.

National Black Langshan Club Cup for Best Record Black Langshan Hen.

Hen 735—E. J. Floyd, Jr., Mtn. Grove, Mo.

White Orpington Club Cup for Best White Orpington on Record.

Pen 56—Russell Cave Poultry Yds., Lexington, Ky.

A. P. A. Specials by the Missouri Branch.

$7.50—Best pen record, C. H. Rogers, Eagleville, Mo.
5.00—Second best pen record, Mrs. Daisy Rose, Bois d'Arc, Mo.
2.50—Third best pen record, L. E. Meyer, Bowling Green, Mo.

Hens That Have Placed Their Name on the Roll of Honor By Laying 200 Eggs or Over and Won Medals Are as Follows:

Hen.	Eggs.
55—R. C. White Leghorn, Jno. S. Gross, Maryville, Mo.	260
62—S. C. White Leghorn, Tom Barron, Catforth, England..	258
860—Buff Wyandotte, J. H. Clark, West Pawlett, Vt.	255
600—Buff Wyandotte, Crawford & Saylor, Maryville, Mo.	253
61—S. C. White Leghorn, Tom Barron, Catforth, England..	246
66—S. C. White Leghorn, Tom Barron, Catforth, England..	243
77—Ancona, Mrs. Daisy Rose, Bois d'Arc, Mo.	236
2028—R. C. Red, M. L. Puckett, Puxico, Mo.	235
211—S. C. White Leghorn, Missouri	233
3807—Silver Wyandotte, V. G. Warner, Bloomfield, Ia.	232
939—White Orpington, Kentucky	232
3810—Silver Wyandotte, V. G. Warner, Bloomfield, Ia.	229
2011—S. C. Red, Lakemont Poultry Farm, Winter Park, Fla..	228
64—S. C. White Leghorn, Tom Barron, Catforth, England..	226
151—S. C. White Leghorn, Walter Hogan, Petaluma, Cal.	225
529—Black Minorca, Iowa	224
512—Buff Wyandotte, C. H. Rogers, Eagleville, Mo.	222
735—Black Langshan, Ed Floyd, Mt. Grove, Mo.	221
601—Silver Wyandotte, V. G. Warner, Bloomfield, Ia.	220
520—Buff Wyandotte, C. H. Rogers, Eagleville, Mo.	220
311—S. C. White Leghorn, Tom Barron, Catforth, England..	219
69—S. C. White Leghorn, Tom Barron, Catforth, England..	219
72—Ancona, Mrs. Daisy Rose, Bois d'Arc, Mo.	218
4—S. C. Buff Leghorn, E. D. Sheldon, Afton, N. Y.	218
3802—Silver Wyandotte, V. G. Warner, Bloomfield, Ia.	218
689—White Wyandotte, S. L. Todd, Green Forest, Ark.	217
518—Buff Wyandotte, C. H. Rogers, Eagleville, Mo.	217
702—Silver Wyandotte, Missouri	217
2103—Buff Orpington, Missouri	217
2014—S. C. Red, Lakemont Poultry Farm, Winter Park, Fla..	216
94—S. C. Brown Leghorn, J. E. Bedford, Columbia, Mo.	215
543—Black Minorca, Perez R. Steele, Windham, N. Y.	215
927—Silver Wyandotte, A. & E. Tarbox, Yorkville, Ill.	215
515—Buff Wyandotte, C. H. Rogers, Eagleville, Mo.	215



First prize White Rock Cock at the Great Coliseum Show, St. Louis, Mo., Nov. 1913. Bred and owned by Dr. L. D. LeGear, St. Louis, Mo. Farm at Kirkwood

686—White Wyandotte, S. L. Todd, Green Forest, Ark.	214
3854—Buff Plymouth Rock, T. B. Elliott, St. Louis, Mo.	214
2054—Black Orpington, Canada	214
632—Barred Plymouth Rock, S. H. Page, Waverly, Iowa	212
656—White Wyandotte, A. G. Russell & Son, Pine Bluff, Ark.	211
3809—Silver Wyandotte, V. G. Warner, Bloomfield, Ia.	210
564—Black Minorca, Iowa	209
703—Silver Wyandotte, Missouri	209
976—Barred Plymouth Rock, Wilson Brooks, Morgan Park, Ill.	209
936—White Orpington, Kentucky	209
2061—Black Orpington, Canada	209
67—S. C. White Leghorn, Tom Barron, Catforth, England..	208
213—S. C. White Leghorn, Missouri	208
692—White Wyandotte, S. L. Todd, Green Forest, Ark.	207
890—White Wyandotte, A. G. Russell & Son, Pine Bluff, Ark.	207
972—Buff Plymouth Rocks, Dr. Scott Covelt, Council Bluffs, Iowa	207
156—S. C. White Leghorn, Walter Hogan, Petaluma, Cal.	205
2147—Buff Orpington, Missouri	205
857—Buff Wyandotte, J. H. Clark, West Pawlett, Vt.	204
505—White Orpington, J. D. McDavid, Hillsboro, Ill.	204
2180—Buff Orpington, Mo.	204
2193—Buff Orpington, Missouri	204
675—White Plymouth Rock, E. E. Lawrence, Craig, Mo.	203
709—Buff Plymouth Rock, T. B. Elliott, St. Louis, Mo.	203
2065—Buff Orpington, Missouri	203
947—Barred Plymouth Rock, Wilson Broods, Morgan Park, Ill.	201
2006—S. C. Reds, Lakemont Poultry Farm, Winter Park, Fla..	201
667—Buff Orpington, Missouri	201
2163—Buff Orpington, Missouri	200

The data covering the two years' work, pictures and measurements of the winning hens, and facts relative to housing, feeding and breeding for egg production, are now being compiled for a bulletin, but same will not be ready for distribution before March or April, 1914.

The following gives the pen number, the name and address, the number of eggs laid by the leading hen in each pen of

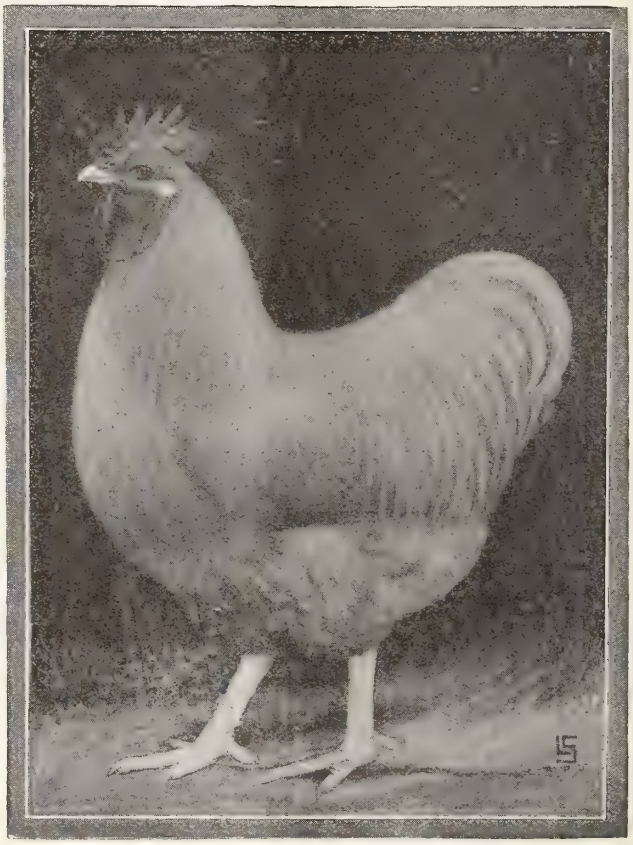
each variety, and the total eggs laid by the entire pen for the year:

Pen No.	Variety Name and Address	Leading Hen Laid Eggs	Pen Record Eggs
	S. C. White Leghorns.		
2	Tom Barron, Catforth, England	258	2,073
8	Walter Hogan, Petaluma, Cal.	225	1,717
14	Pennsylvania	186	1,381
	Buff Wyandottes.		
26	C. H. Rogers, Eagleville, Mo.	222	1,884
30	J. H. Clark, West Pawlett, Vt.	225	1,661
22	Crawford & Saylor, Maryville, Mo.	253	1,458
	Silver Wyandottes.		
19	V. G. Warner, Bloomfield, Ia.	232	1,877
23	A. & E. Tarbox, Yorkville, Ill.	215	1,674
27	Missouri	217	1,591
	White Wyandottes.		
20	S. L. Todd, Green Forest, Ark.	217	1,759
24	New Jersey	197	1,427
28	A. G. Russell & Son, Pine Bluff, Ark.	211	1,331
	R. C. White Leghorns.		
10	Missouri	260	1,724
16	Guy M. Watson, Morley, Mo.	174	1,389
4	Field Bros., Cape Girardeau, Mo.	198	1,258
	Anconas.		
1	Mrs. Daisy Rose, Bois D'Arc, Mo.	236	1,711
7	P. J. Smith, Astoria, Ore.	188	1,396
13	E. B. Foster, Caldwell, Ohio.	167	1,341
	Black Minorcas.		
11	Iowa	224	1,685
17	Perez R. Steel, Windham, N. Y.	215	1,531
5	Missouri	181	1,503
	Barred Plymouth Rocks.		
33	Brooks Sanitary Hennery, Morgan Park, Ill.	200	1,631
39	M. W. Baldwin, Sioux City, Ia.	184	1,560
45	S. H. Page, Waverly, Ia.	212	1,237
	White Orpingtons.		
56	Kentucky	232	1,631
60	Missouri	180	1,298
52	Jas. L. McDavid, Hillsboro, Ill.	204	1,265
	Black Langshans.		
57	L. E. Meyer, Bowling Green, Mo.	192	1,609
49	Ed. Floyd, Mt. Grove, Mo.	221	1,583
53	M. S. Barker, Thorntown, Ind.	194	1,581
	S. C. Reds.		
43	Lakemont Poultry Farm, Winter Park, Fla.	228	1,585
37	E. E. Shelley, Memphis, Mo.	196	1,500
31	Mrs. Emma B. Powers, Marshfield, Mo.	192	1,061
	Black Orpingtons.		
59	Canada	214	1,571
55	E. B. Foster, Caldwell, Ohio.	193	1,246
51	W. H. Lovelace, Elsberry, Mo.	189	1,014
	S. C. Brown Leghorns.		
9	Missouri	198	1,532
15	Aug. H. Morgan, Mobile, Ala.	173	1,421
3	J. E. Bedford, Columbia, Mo.	215	1,366
	Buff Plymouth Rocks.		
47	Thos. B. Elliott, St. Louis, Mo.	214	1,509
41	Dr. Scott Covalt, Council Bluffs, Ia.	207	1,482
35	Missouri	174	1,164
	Buff Orpingtons.		
58	Miss S. C. Fellows, Springfield, Mo.	190	1,509
54	J. D. Crowson, Fulton, Mo.	166	1,303
50	Missouri	201	1,193
	Buff Leghorns.		
18	Missouri	191	1,468
12	E. D. Sheldon, Aften, N. Y.	218	1,232
6	W. D. Hart, Ashland, Mo.	162	1,038
	R. C. Reds.		
40	M. L. Puckett, Puxico, Mo.	235	1,467
34	C. A. Bryant, Richland, Mo.	179	1,456
46	Indiana	182	1,340
	White Plymouth Rocks.		
32	Elbert E. Lawrence, Craig, Mo.	203	1,389
38	Missouri	172	1,297
44	Wisconsin	185	1,254
	Partridge Wyandottes.		
21	Lester Howell, Monett, Mo.	167	1,310
29	Lester Howell, Monett, Mo.	199	983
25	Missouri	164	982
	Partridge Plymouth Rocks.		
42	Missouri	192	1,276
36	Indiana	172	1,146
48	Illinois	162	886

I hereby certify that the above is a correct final report of the Second Missouri National Egg Laying Contest, which closed at the Missouri State Poultry Experiment Station, Mountain Grove, Mo., on November 15th, 1913.

T. E. QUISENBERRY, Director,
State Poultry Experiment Station,
Mountain Grove, Mo.

(Note.—Mr. Quisenberry's final report on the Second National Laying Contest, Mountain Grove, Mo., is interesting. Director Quisenberry has an admirable habit of furnishing interesting reports of work at his station and in convenient form for publication. It will be noted that the average yield per hen for all fowls in this contest was a trifle less than 12 dozen eggs, which is considered a fairly good average for a well conducted egg farm. In this contest the actual difference in laying ability between the various breeds for both years is not as great as is popularly supposed. Fecundity evidently does not depend so much upon the breed as it does upon the selection and breeding. Here we have Silver Wyandottes averaging almost as many eggs per bird as the S. C. White Leghorns and more than the R. C. White or Brown Leghorns. Yet a 2¾ lb. R. C. White Leghorn hen made the best individual record, a S. C. White Leghorn came next, Buff Wyandottes third and fourth places, and a S. C. White Leghorn fifth. Heavy laying is evidently a good quality found in all breeds and careful selection and breeding is essential to secure it. We will be glad to learn further details concerning the feeding experiments and presume these will come later. One is surprised by the small amount of grain credited as eaten by the fowls in this contest: "36 pounds of grain each and about the same amount of dry mash." That is only a little more than

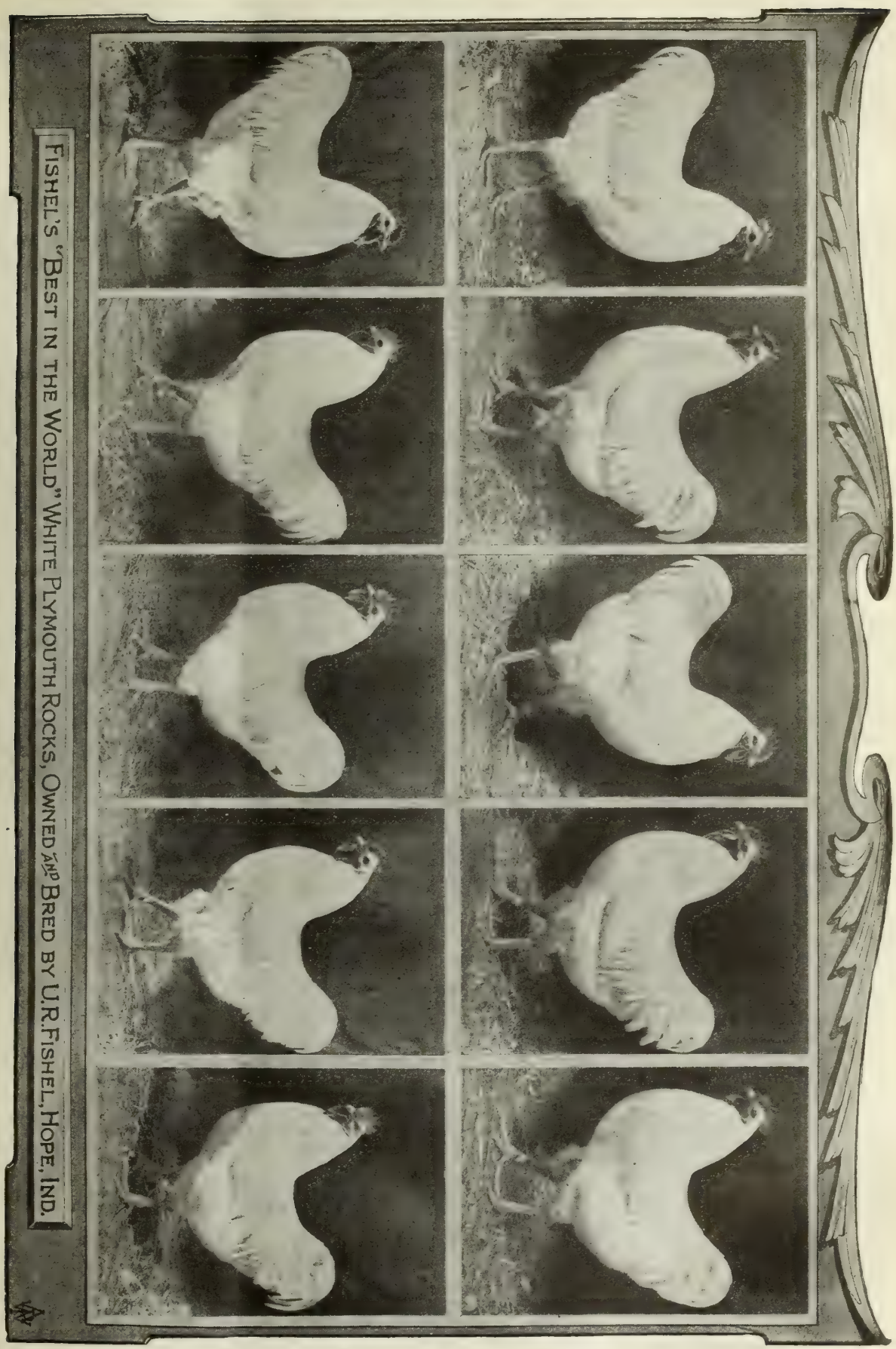


FIRST PRIZE COCKEREL
Indianapolis, Sept., 1913, owned by Bruce & Abbott, Whiteland, Ind.

1.5 ounces of grain and a similar amount of dry mash, or about 72 pounds grains and ground grain per hen for the year. A daily allowance of approximately 3.1 ounces of grain and ground grain per hen, which suggests small hens as the average for the contest.

In the Maine feeding tests of some years ago, a daily allowance of about 4 ounces of grain (whole and ground) was required per hen, or about .9 of an ounce more grain food per hen a day than in the Missouri contest.

According to this Missouri test a 2¾ pound hen produced 33 pounds of eggs while consuming 72 pounds of grain and ground grain. Canada's best Plymouth Rock of record produced 41 pounds of eggs while consuming 90 pounds of grain. The average yield per hen in this Missouri contest was approximately 18 pounds of eggs on an allowance of 72 pounds grain (whole and ground). On the Maine ration we have a record of New England Plymouth Rocks (farm flock) averaging 23 pounds of eggs on an allowance of 90 pounds of grain (whole and ground). We would like to know the actual food consumption of heavy layers, average layers and indifferent layers and the actual total cost of keeping the hens. Probably such data will be forthcoming in the not too distant future. Certain it is, though, that the hen is a wonderful producer, returning a surprising weight of eggs for the amount of foodstuffs consumed.—Editor A. P. J.)



FISHEL'S "BEST IN THE WORLD" WHITE PLYMOUTH ROCKS, OWNED AND BRED BY U.R. FISHEL, HOPE, IND.

EDITORIAL

WE LEAD OTHERS FOLLOW

65,000 A. P. J.'S FOR JANUARY, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the January, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of December, 1913.
(Seal) HENRY G. EISERT,
Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

More "War" Talk About Egg Prices.

Egg price hysteria in the yellow newspapers and egg boycotts by the 700,000 members of Mrs. Jennie Dewey Heath's Housewives' Leaguers have been rife again this winter. A year ago a similar crusade helped to kill the winter prices for a good many egg producers. Just how much the sale of nearby new-laid eggs was affected in 1913 is not yet known. The ultimate result of all this "egg war" talk seems to be big advertising for storage eggs. It helps the price of storage eggs to go up and slams down the price of new-laid eggs.

Storage men claim a considerable shortage in egg holdings for fall and winter of 1913 over same period for 1912. Also that the entire fall and winter output of new-laid eggs went almost immediately into consumption and that if it had not been for the supply of storage eggs, the price of eggs would have soared sky high and there would not have been enough eggs in the country to supply a very small per cent of actual needs. There is probably much truth in this, for the 1913 egg crop was considerably less in proportion to population than it was in 1905 according to statistics.

Dispatches from Washington state that U. S. Attorney General McReynolds has ordered a Federal investigation of the causes of high egg prices. It is reported that the Attorney General stands just where the average consumer does in the matter of high prices and alleged storage abuses. He knows that prices are high, but he does not know why, and he proposes to find out. If there is any "egg trust," conspiracy, or illegal restraint of trade, the Government has a remedy and can apply it speedily.

We are glad Uncle Sam is taking a hand in the game and hope he will get at the real truth of the matter and so help to lessen the lurid stories about egg prices. We believe he will find that the only real "egg trust" is the American hen and that even the Federal Government can't force her to produce eggs when Nature says no.

Meanwhile, if there are such storage abuses as are claimed, and also abuses by collectors and shippers, we hope Uncle Sam will force a "clean up" and help producers to better and more fair prices.

Roasting the Public.

Kansas City dispatches state that over 200 turkeys and 500 chickens were delivered in that city by parcel post for holiday dinners. About ten per cent of these packages were sealed which made them first-class matter instead of parcel post matter and the recipients had to pay excess postage amounting to two cents an ounce. Packages that ordinarily would go unsealed for 12 cents, cost the receiver $2.50.

Here is one example of where the parcel post falls down. If you send a package by express you can seal it and enclose a letter at no additional cost. If a parcel post package is sealed, or contains writing, it immediately becomes first-class matter and costs two cents an ounce to send. It costs no more for the Government to transport the package whether it contains writing and is sealed or not. There are many packages (especially dressed poultry and other foodstuffs) that really ought to be sealed by the shipper to insure the contents remaining wholesome and uncontaminated and it is often desirable to enclose a letter or memorandum with the goods. There is no good reason why Uncle Sam should refuse to permit it. He really ought to encourage the practice and allow the packages to go through at parcel rates. It wouldn't work any injury to the regular first-class mail service either, or result in any real loss to the Post Office Department. This overcharge on turkeys and chickens sent by parcel post simply because the packages were sealed was roasting the public. The rule should be amended.

Parcel Post.

It is quite evident that the parcel post has proved a paying business for the Federal Government, the statements given to the public show a comfortable profit for the Post Office Department and one which should lead to improvement of parcel post service and to lessening the cost to the public. There is room for a lot of improvement yet before the parcel post gives us the great benefits which the people of other parcel post countries derive from their home service.

Surprise is expressed that farmers and poultrymen have not used the parcel post as much as was expected in the distribution of their produce. Fact is, the accommodations are not yet sufficiently good, cost of packages for produce is too high and cost of shipping by parcel post is, of itself, too high. The farmer cannot yet place his produce in the hands of the consumer, by parcel post, as cheaply as the consumer can buy the goods through the regular market channels. The parcel post merely puts the middleman's and transportation company's profits into the hands of the Post Office Department and as yet doesn't benefit the producer or the consumer, except under unusually favorable conditions. Then too the producer has yet to become used to advertising and its value.

The conditions for sending butter, eggs, and the like by parcel post are not yet suitable. Eggs for hatching go safer by express and day-old chicks must go by express. The cost of packages for eggs and the cost of postage is almost prohibitive. The excelsior egg bale has to date proved the safest parcel post egg carrier.

We hope and believe that good times

are coming for us in the parcel post service, but considering that we have the experience of other countries to draw on, as well as our native resources for study and experiment, it does seem as if Uncle Sam was mortal slow about giving us a real parcel post.

Stop Thief!!!

"Subscriber," name not signed and unknown, sends us a clipping from a newspaper, which he refers to as the "Weekly Gazette." The postmark shows that the clipping was mailed at Champaign, Illinois, November 14, 1913. Apparently the clipping is a part of the poultry page of "The Commercial Tribune" as a communication headed "Large Bouquet Thrown at Our Poultry Page" is so addressed and is signed by "Len Lanius, President Ohio Branch American Poultry Association. This letter compliments the "Tribune" on its poultry page and the "worthy articles" published. On the same page is a picture showing The Commercial Tribune's poultry editor and expert, Edward H. Borchers. The regular poultry department is headed "Queries and Answers by Our Expert." Of this poultry department over nineteen inches of reading matter, consisting of questions and answers, was stolen bodily and verbatim from November American Poultry Journal, "Questions and Answers" department, pages 1408, 1409 and 1410. The thief does not even take the trouble to cut out one of our personal references where in relating personal experience we say: "it is quite evident to me as a physician," etc.

Our anonymous correspondent wants to know if Dr. Woods is the "poultry expert" of the Tribune. We will say right here that Dr. Woods never saw a copy of that publication before and does not know where it is published, but is taking steps to find out. This lifting of our work from the columns of A. P. J. and using it as original matter, whether it is done by Editor Borchers or some other member of the Tribune staff, is about the rawest and nerviest bit of stealing we have observed in a long time. We congratulate Editor Borchers and the Tribune on their nerve and on their good taste in stealing something that was worth reprinting. We cannot help wondering if the "worthy articles," complimented by the President of the Ohio Branch, were also stolen from A. P. J. If not, we presume that they were stolen from some other poultry publication. Probably the Tribune's expert is earning his salary by pirating the work of other writers.

We have no objection to any reasonable use of extracts from A. P. J. articles in other publications when proper credit is given to the author and to American Poultry Journal. We are glad to help in the dissemination of helpful poultry information. We do, however, object to piracy and theft, especially such wholesale robbery as that practiced by the Tribune. It is time to shout "STOP THIEF" and if the stealing does not stop we shall do something more than shout.

We have learned from one "professional hack writer" that certain western publications paid him a good salary for several years to "rehash" articles from three of the leading poultry journals. This stuff was syndicated for several papers. Finally the piracy became so bold that they didn't even trouble to "rehash" but simply "clipped" the articles used, and a halt was called. Now the thieving is getting worse than ever.

We give fair warning. If this form of piracy and robbery does not stop, we intend to make an example of a few thieves.

Out-Champions the Champion Layers.

Things appear to be moving swiftly these days in the business of producing champion layers. In an editorial entitled "World's Champion Layers" we had already chronicled the doings of the 292 egg Barred Rock "Lady Morley" of Arcadia, Nova Scotia, and of the Oregon Experiment Station's crossbred 291 egger and we had sent this matter to press. Now, we are beginning to feel that a monthly magazine is inadequate when coping with the wonders in the news of wonderful laying. There seems to be need for big black scare-head type and the usual "Extra! Extra!! All About the New World's Egg Record." We were just convalescing from a full page Sunday newspaper illustrated story about Prof. Dryden's Oregon hen No. C 543, and some of the remarkable things told therein,



C. 543, Oregon Experiment Station's Remarkable Hen. Record for twelve months, 291 eggs. For one year and three weeks, 312 eggs and laying throughout the moult.

including the possibility of hens that we may have some day that will lay 3,000 eggs in a lifetime, and were still gasping mentally, when we received a letter from Prof. Dryden.

Now Prof. James Dryden is known to us personally, and we have always considered him a bit conservative and a careful experimenter. He has been doing some mighty good work since he went to Oregon and he is a man one would expect to be particularly careful in making public statements concerning his work. We don't believe that all we read in the newspaper article was his own writing, it savored of sensational editing. His letter however tells the remarkable story of a cross-bred hen No. C. 521 that has made a record of THREE HUNDRED AND TWO EGGS and still had one day left to complete her laying year. Here is Prof. Dryden's letter:

"Corvallis, Ore., Nov. 11, 1913.

"Dear Sir:

"You have probably read dispatches about our 291 egg hen, C. 543. Today a relative of this hen from the same flock laid her three hundred and second egg and has another day to finish her year. We are almost certain of getting another egg on the last day of her year, unless some accident happens. Both of these hens are bred from good layers several generations back, but came from an original cross, five years ago, of Barred Plymouth Rock and White Leghorns. Since then we have been selecting each year, individuals with records of over 200 eggs from these crosses, to see what could be done in the way of fixing high laying characteristics. We have been following the same method of selection and breeding with the Barred Plymouth Rocks and White Leghorns and have gotten some very excellent results also from this method of breeding. Up to date, however, our best records have been from the crosses and I feel that we already have a strain of fowls that breed pretty true to type when it comes to egg laying. The results have been most encouraging to me and I think will be to you and to everyone interested in higher egg production, when they are fully published.

"These are not two isolated cases. Five of the best layers in the flock of which they were a part, average over 280 eggs. Five sisters, including C. 521, that has laid over 300 eggs, have averaged over 240 eggs, the lowest record being 204. About 30 out of the 40 in the yard went over 200 and the whole flock of 40 will average about 210 eggs. This average would have been higher but for the fact that in this flock there were a number of pullets that were put in there as a check, having been bred differently.

"C. 543 is a most wonderful hen. Beginning laying at five and a half months of age, she finished 12 months of laying with 291 eggs and has continued laying since she finished her record, nearly three weeks ago, by laying about every day. She has now laid to date, 312 eggs and has taken no rest during moulting season.

"In the same yard with these record hens were a number of pure bred Leghorns bred from several generations of good layers. They also show their breeding by making fine records.

"There was no special pains taken to secure high records. Our flocks have been kept under similar conditions for several years, the purpose being to demonstrate the effect of selection on egg yield. They were kept in colony houses with an open front and had the liberty of a good sized yard at all times of the day in all kinds of weather. I enclose photograph of C. 543, showing her at the end of her year's work. Have taken no photo yet of C. 521. With kind regards, I am

"Very truly yours,

"James Dryden."

Poultry Show in India.

We recently received the following from one of our subscribers in India:

The "Crystal Palace" or Simla Poultry Show of India, took place on the 10th of October, and was productive of some very interesting results. Some very high-class birds were exhibited, but those requiring special comment were the "Arthurston" White Orpingtons, exhibited by Mr. Betteridge of Lahore. These birds won the first prize for a cock, first for a hen, first for a trio, and the Lieutenant Governor's cup for the best bird in the show. Truly an unique record. The "Authurston" White Orpingtons were originated by Mr. A. C. Bullmore of Mount Road, Madras, a

breeder known throughout the length and breadth of India, Burma, Ceylon and the Straits. They win at every big show in India, and Mr. Bullmore is to be heartily congratulated. His farm at No. 32 Poonamalee Road, Madras, is most extensive and is replete with all the latest inventions. His birds are of the highest order, and his poultry remedies have won for themselves a great reputation in the East.

Are Your Hands Clean?

We have no desire to preach with hypocritical unction, to attempt judgment of others, or to pose as any better than the general run of human kind, but we don't propose to sit tight and quiet when certain evils are called to our attention, simply because voicing our opinions might lose us business.

Some friends write us that our "free speech" in editorials will "give offense" and "result in loss of advertising patronage." We believe our friends are mistaken. Time will tell anyway. We make mistakes, we expect to make mistakes, for the man who doesn't make mistakes is either dead or he never does anything. We don't, however, believe that it is a mistake to talk plainly and to talk straight, or to try to tell what we believe to be the truth. We have no desire to be destructive or to "give offense" to anybody. Certainly any "free speech" we may have indulged in could not give offense to any honest man.

We don't think it is wise, necessary, or desirable to fill our columns with many of the complaints which come to us. We have investigated many such complaints and found only a simple misunderstanding and no intent of dishonesty on either side. We have found cases of dishonesty, that could be proved, and have reported them and barred the offenders from our columns. We have found other cases open to grave doubt, but not probable, and we had to keep quiet or to generalize, because it is not permissible to make charges unless they can be proved.

There are, however, many happenings between buyer and seller in the poultry business that don't look right from the outside. We are loath to believe that it is actual dishonesty, but some cases certainly have "the appearance of evil" and we have always been told that the man who would make the greatest success of his life will "avoid the appearance of evil" as much as possible. It is easy for a man to get exaggerated ideas of values in the poultry business, particularly when he has been breeding in line for a few years and has won a few ribbons and launched an advertising campaign. Birds of his "blood lines" (no matter how remote the relationship) take on exaggerated values in his eyes and any old egg or any old specimen, (cull, scaly legged, lousy, or runty) he thinks is good enough to sell because of the "breeding back of it."

For pity's sake wake up. Play the game square and with clean hands. Don't try to deceive yourself or to excuse yourself to yourself. When a man begins to make excuses to himself to justify his own acts, he is getting in a bad way. Every man is presumed to have his own code of honor and he is entitled to have it just so long as he doesn't interfere with other people's rights, but there are certain standards of right and wrong that everybody should observe.

A good many of the troubles, complaints, misunderstandings and accusations of dishonesty, in the poultry business and out of it, are the result of ignorance, indifference, carelessness, exaggerated ego, and want of business system. Poultrymen are prone to be lax in their business methods; slipshod in their methods of doing business, attending to correspondence, and in filling orders. Many of them lack business training, experience in business methods, and courtesy, and it is a wonder that they "get by" as often as they do. There isn't any excuse for this lack of system and decent method of doing business, except the excuse of laziness and indifference.

Here is a letter from a Connecticut reader that bears on this subject. It is clearly and forcefully put. It names no name and is a straightforward statement with not a whine in it. We print it entire in hope that the moral will strike home to some of the breeders whose methods of doing business appear slipshod to the point of criminal negligence. Here it is:

"New Haven, Conn., Nov. 12, 1913."

"Dear Sirs:

"I wish to cite a few instances of the so-called 'fair treatment' I have received from advertisers in your paper, and other papers for that matter. This fall I decided to purchase some White Wyandottes. Previous to this I had been making some inquiry among the breeders, sent for catalogs, etc., and I

Fashion Plate Strain
BUFF ORPINGTONS



One variety correctly mated and line bred for ten years develops family characteristics and is worthy the name, Strain.

Trap-Nesting your pullets to select the best layers as your breeding hens leads to big profit.

Only a few hundred birds of this double value to sell in January and February—nicely finished cockerels, trim pullets, ready to go into the best shows right now **to win**—conditioned free and guaranteed to please. First-class selected breeders, all bred from our best families of trap-nested layers, ripe and ready to ship out at **Special Prices.**

1914 Orpington Fashion Plate Book

Our book for this season is the best ever issued on Orpingtons. Many high schools and colleges use it as a text where poultry husbandry is taught; **56 pages, Fashion Plate Buffs** in natural colors, over 40 other illustrations, full description of our **28 yards** and the price of stock and eggs, articles on trapnesting, conditioning birds for show, feeding, etc., **free.**

A. E. MARTZ & SON **Buff Orpington Specialists** **Box A, ARCADIA, IND.**

finally decided to invest $25.00 in a utility pen from a prominent breeder. It turned out that I expected far more than I got (as usual) but whether I got what I deserved for the money or not I will leave you to judge.

"The birds arrived in good condition, well crated, banded, etc. I also received notification of shipment and when I could expect the birds. Upon examination of the birds I found them to be pretty lousy, three of them had such scaly legs that they came near walking bowlegged. (Two of which have since died and as they were in reasonably good health I laid it to old age.) One weighed 3½ pounds and another weighed 7 pounds, the balance weighing on an average of 4¼ pounds—this for hens, and utility hens at that, which are supposed to tip the scales at 6½ pounds, standard weight. The male of the flock had more brass than a book peddler, but otherwise was all right both in weight and shape. That was investment No. 1.

"No. 2 was a pullet purchased from another prominent breeder, who said he could give me a pullet sired by so and so winner of so many prizes in so many shows, etc., and hatched March, April or May. I told him to ship the bird and let him decide the age, but asked him to kindly let me know his decision. In the course of a week I got the bird without having heard from him as to shipment or age. I have since written to this man again, but as that was over three weeks ago have dispaired of hearing anything. The pullet itself was very fair with the one exception that it was decidedly Plymouth Rock in shape.

"Now for investment No. 3. Also a prominent breeder. He said he would be glad to get my order, guaranteed satisfaction, etc. Well, I sent him the money and waited about two weeks, when not having heard from him I wrote him asking if he received the money and order. He answered saying he had received the money and thanking me for my order, which would receive his prompt and personal attention. I waited about two weeks more and wrote again. This time he said he was under the impression that I was going to show the bird and he was waiting to wash it. Well patience is a virtue I suppose, anyhow, I waited two weeks more and wrote again. This time he said, 'I fully intended to ship your bird before, but it's rain, rain all the time, my wife has been sick and she does all my writing, etc., etc.,' but in this letter he said he would ship the bird on Thursday. It arrived Saturday. I can at least give this man credit for giving me some idea as to when I could look for it. This bird turned out to be better shaped than the other but quite a little smaller and a few other minor defects. I received her six weeks from the time I sent my order.

"I am not dissatisfied with these birds, indeed I am confident that I got nearly full value for the money invested. It isn't that, not a bit of it. The trouble lies in the fact that the breeders as a general rule are careless, negligent, or don't care. Which is it?

"Perhaps you think I am too fussy and maybe I am, but listen or rather read this, my fourth investment.

"I sent to another man, also an advertiser in your columns, this time for a male bird. Told him what I wanted and asked him for prices, same as in other letters. He wrote at once back giving me prices and the age. I sent this man the amount he advised and he at once acknowledged receipt of my money. He said he was busy that week but would give my order his personal attention the following week. The next Wednesday at 9 A. M. I received notification of shipment and two hours later I received the bird.

"It is needless to say I was satisfied. His courteous treatment insured satisfaction, and that is not all. I have since ordered my third pullet from this man and have also written him at least half a dozen letters all of which have been promptly answered. Can you blame me for finding fault with the others, after what I received from him?

"Now regarding breeding. You are having at this time considerable talk in your paper about line breeding and inbreeding. I had fully intended to follow the breeding chart in your Year Book, (which by the way I consider a fine book and sincerely hope you will carry the same idea out in 1914) but do not dare to now very extensively. It is all very well for you to say find out for yourself by experiment, but one hates to experiment on high class stock, particularly if he has but a few. You say in the November issue on page 1046 in the article "Inbreeding" that you do not know of anyone who has carried out the Felch chart for more than ten generations, and yet there are advertisements in your paper continually of breeders who profess to have stock linebred for twenty or twenty-five years. Why not ask them? I have heard recently that one of these twenty-five year line-bred farms purchases stock from a farm in the same city in which I am living. (Remember I merely heard this). He is the one of whom I bought the utility pen, and to think I chased this same man over the country to get stock that was originally purchased in my own city, if this statement is true. You will however admit that the question of breeding is a weighty one to a man who does not know.

"D. E. Parmelee."

With regard to the question of breeding, the matter is being threshed out by able writers who have had much observation and experience and you will have to consider their views and decide for yourself which course you prefer. If you want to breed winners you will have to line breed, (inbreed) to some extent in order to fix and hold type and exhibition points. If you always use healthy specimens, with strong constitutional vigor, for breeding purposes you will be able to inbreed some time before noting any serious ill effects. If you combine the use of the chart with the introduction of new blood every third season you may not

REGAL QUALITY



Crusader III, a Boston Winner

In giving my own winnings from time to time, it is well to remember that my customers are just as successful. Hardly a day passes I do not receive some show report. Some of these I am not at liberty to mention, but the following winning at one of Canada's largest shows will serve as a sample:

Sinclairville, Nov. 23, 1913.

You will no doubt be glad to hear of my win at Hamilton. In a good big class I won Cock 1, 2, Hen 1, 2, Cockerel 1, 2, Pullet 1, 2, 3, 4, and all specials on White Wyandottes. I also won the Spectator Cup for best Cock in the Show. Ryrie Silver Medal for best Pullet in the Show. Silver Shield for best Hen in American Classes. I showed ten birds and had them all placed. They are all pure Regal Strain and descended from the cock I bought of you two years ago. You can use this if you like.

Yours truly,

W. A. IRVINE.

MY CATALOGUE IS READY

I have just received from the printers my new Catalogue and Mating List for 1914. It is illustrated from cover to cover with photographs of my famous winners and snapshots of my breeding pens and plant. It has a number of articles on feeding and rearing chicks, also on the care of breeding stock. It also has a full description of my matings for 1914. If you will send me your name I will forward you a copy free of charge.

1,500 Cocks, Hens, Cockerels and Pullets for Sale—1,500. SPECIAL—100 Exhibition Cockerels and 200 beautiful Pullets ready to now win the blue ribbon for you. 100 well matured Cockerels from my heavy laying Dorcas Line, $10, $15, $20, $25 each. Dorcas Pullets, $5, $8 and $10 each. Stay White utility Cockerels, $3 and $5 each.

John S. Martin : Box 51 : Port Dover, Canada

experience any difficulty. But, we don't see how you can expect to breed and get results without first acquiring some skill and experience. Until you acquire skill and experience, unless you employ a skilled breeder to do your mating and your rearing, your breeding is bound to be more or less experiment. Even the skilled fanciers have to experiment with matings.

As to asking about years of experience with line-breeding, we have asked, and we here ask again for detailed facts and figures concerning ten or more years of consistent line or pedigree breeding with the records and affidavits to prove its authenticity.

Poultry breeders, as a class, are quite as careless about keeping accurate records of breeding as they are about handling orders. There isn't any excuse for the negligence in handling orders, but there is excuse for neglect of pedigree record keeping in many cases. Unless a man keeps poultry as a hobby or fad, he seldom has time to go into the detailed record keeping that consistent pedigree breeding would necessitate. It costs money and requires time to keep accurate stud books and it also requires experience. Generally the price obtained for stock birds do not show sufficient profit to warrant such elaborate book keeping and also such extensive marking, banding and record keeping of growing chicks, and recording and segregation of hatching eggs, as is necessary to line breed whole flocks by chart.

When a man sells a Standard bred fowl for $5.00 he does not make any very considerable percent of profit if he gives fair value for the money. It may be true that the market value of the bird as meat is only $1.50 or less. That has nothing to do with the case. The bird sold you as a breeding bird at $5.00 should represent a selected specimen from a carefully bred and carefully reared flock, the culls have probably been marketed at about cost of production and this selected bird has had better care and has actually cost the breeder more to rear in consequence, then there is the advertising, correspondence, selling and cooping expense. We should not expect too much at this price, but we should get a healthy specimen of good standard type and weight, and we should not get a runt, cull or a worn out scaly legged fowl.

In investment No. 1, carelessness and indifference amounting to bad judgment, if not actually bad faith, was shown by the shipper. It matters not that the pen was a utility pen and moderate priced, at least four of those birds were not fit to sell as breeding stock and should not have been so sold. Such methods of doing business do not hold business or satisfy customers.

As to the breeder buying stock from a plant in your home city, that does not necessarily make his line breeding a fraud or your birds any the less his strain, even if they came from your city originally. The breeder might have arrangements whereby stock of his blood lines is bred in New Haven to be sold to him. Where real line breeding or close breeding is practiced it is a good plan to have some of the stock birds reared in localities remote from the home plant and where the climate and environment is different. We don't know anything about this particular case.

Case No. 2 shows both carelessness and negligence. It is a poor way to get and hold business. Case 3 is a peculiar one. If we had not met a few just such men, we might think it overdrawn in the telling. It is difficult to account for this type of breeder. Such people either ought to wake up and show a little life in their business or else drop it altogether. As no names have been mentioned we don't know who the breeders are and, therefore, there is absolutely nothing personal in these remarks. Should these generalizations wake somebody up to cleaner and better methods of doing business we'll be glad of it.

Case No. 4 is the moral of the tale. It needs no further comment than that once more it is proved that it pays to be businesslike in all business dealings and to satisfy the customer. The man who plays a square game, and plays with clean hands, is the one who wins lasting success.

It pays to treat customers courteously, to be prompt in all business transactions and to deal squarely and honestly with all. The man who has a poultry business where customers repeat orders and where old customers come back season after season for more stock, more chicks, or more eggs, has something he can well be proud of and it is bound to be a substantial business.

———o———

"The Producer Be Damned."

Pretty sentiment in that heading isn't it? Yet, that is about what the public, the middleman and the poultry shipper think and sometimes say.

The New York Produce Review quotes the following interesting paragraph from a circular of the National Association of Car Lot Live Poultry Shippers:

"The thing for you to do is to get your prices down, and then after you get them down, get them down again, and then the next day think it over and get them down once more. The more 'downs' a foot ball team makes the more progress for them. The oftener you get your prices down the more money you will have in your pocket. Work for yourself, not for the farmer."

Attention, Farmers, Poultrymen and Producers! ! Collectors, shippers, poultry houses, and commission men have always and everlastingly been cutting down the prices they pay you for your produce. Many, many times now they buy of you for less than cost. They work for themselves and not for you and they are advised to keep on cutting down the prices they pay you.

On everything you buy the price goes up and keeps on going up. It is up to the producers, who are fighting hard to make a bare living, to take a leaf out of the other fellow's book. Get more for your produce. Think more about

Keeler's Wh. Wyandottes

"THE WORLD'S GREATEST STRAIN"



WINNER from WIN-amac

For 20 years I have been producing White Wyandottes that win

—Winning in mine and my customer's hands in the hottest kind of competition. New York, Chicago, St. Louis, Pittsburgh, New Orleans, Indianapolis, Washington, D. C., Kansas City, Dallas, Texas, Los Angeles, Portland World's Fair, etc. My customers win. Stock hatched from my eggs and shipped from my yards has won in every section of this country as well as foreign lands including England, South Africa, New Zealand and Australia. The coming show season will be no exception, so let me sell you the birds that will land you among the winners. Get in line with the strain that produces a larger percent of SHOW BIRDS than any other.

The World's Greatest Strain

In producing this grand show quality I have not lost sight of the Utility points and my birds are large, mature and lay from 200 to 265 eggs a year. I have succeeded in raising more good birds than ever and have for sale something like 150 cocks, 500 hens, 900 cockerels and 1,200. **Selected Breeders $25, $35 and $50 a pen of four females and male. CHOICE SHOW BIRDS $50, $75, $100 and $150 a pen.** Get in touch with me now for your Show Birds. Stock conditioned, washed and fitted for your show without extra charge. My new 64-page 1914 Art Catalogue of America's finest White Wyandottes describing the 16 best matings of White Wyandottes in America ready January 1st. It's free—send for it (5 red stamps appreciated). Eggs for 1914, $5 per 15, $9 per 30, $14 per 50 and $25 per 100. Special matings $10, $15 and $20 per 15.

Keelersville, Chas. V. Keeler, Prop. and Mgr., R. F. D. 11, Winamac, Ind.

the cost of production and insist on getting a better price. Produce no more than you can sell at a price that will pay you an honest profit and stop selling at actual production cost or less. Efficient cooperation would help.

Farmers, Poultrymen, Producers everywhere: Work for yourselves; not for the middlemen!! The Lord knows you need the money to pay living expenses for yourself and family and you seldom have any surplus in your pocket; why not stop buying automobiles for the middlemen who are fattening on the profits of your hard labor?

———o———

A Living From Poultry.

"Can I make a living with poultry?"

That is one of the questions most frequently appearing in the editor's correspondence. We have always been conservative in our replies because we have had no standard by which we could determine what "a living" really is.

Now, Uncle Sam's experts have compiled figures showing what the average "living" or income of 96 per cent of us is statistically. Therefore we do not hesitate to say that if you like hens, possess a little common sense and are willing to work, you should be able to make a living from poultry that is better than the average income of 96 per cent of us.

Maxwell Edgar, secretary of the Illinois Tax Reform Association, in December Pearson's says: "The average American according to the figures now in possession of the Treasury department, earns six hundred and one dollars a year. Not a great amount of money with which to supply the necessities of life in these days of exorbitant prices, is it?

"There are 38,240,000 persons in the United States who receive incomes; this means incomes of all kinds, wages, profits from investments or aught else. Of these 37,815,000 or 96 per cent have an average annual income of $601, and no more.

"And out of this paltry six hundred dollars the average American must do more than provide for himself and his family. He must pay a large part of the cost of maintaining the most expensive government on earth—a government, by the way, which does little enough for him in proportion to what it does for the rich man."

Think of it, the average income $601 a year and no more! What must some of the smaller incomes be? And, our Secretary of State, the "Great Commoner," has told us that he can't live and support his household on a salary of $1,000 a month, or nearly twenty times the average income of 96 per cent of us.

You know and we know quite a few families that find it difficult to make "both ends meet" on an annual income of $1,000; but they do do it, because they have to.

Poultry keeping is not a get rich quick business. There is no easy and rapid transit road to golden success. It isn't a diamond mine or a bonanza. But there is a good and honest living in the poultry business for you if you are fitted for it and have an opportunity to make a favorable start.

From $1,200 to $3,000 a year can be made with a flock of 2,000 hens, according to the ability of the man. Some have earned more and some have earned less. Hard work alone won't do the trick. It takes some common sense, some experience, some liking for the business and some skill, as well as some hard work in order to make a comfortable living from poultry.

Remember that the income is not all velvet profit, but it is wages for your own labor and management. Some individual hens have paid very big profits. Some have never paid at all. (You seldom ever see or hear anything about the latter.) Some poultry keepers have earned very big profits, but they are the exceptions to the general rule. We know men who are earning an annual income of $1,000 a year with 600 hens and we know others who make no more than that with 2,000 hens.

If a man is unfitted for the business he is not likely to make a success of it. If he is fit, he can win fair and good remuneration. In exceptional cases he may earn unusual compensation, but it is not a business of extraordinary profits.

It is a good plan to "look well before you leap," and to decide first if you are suited to the business and if the business will suit you for a life work.

———o———

Turkeys at 15 Cents a Pound?

A November 16th newspaper report contains the following:

"Dr. Charles H. Higgins, pathologist for the Dominion of Canada, in a lecture at the Harvard Medical School yesterday, declared that turkeys could be raised and marketed so that they could sell for 15 cents a pound.

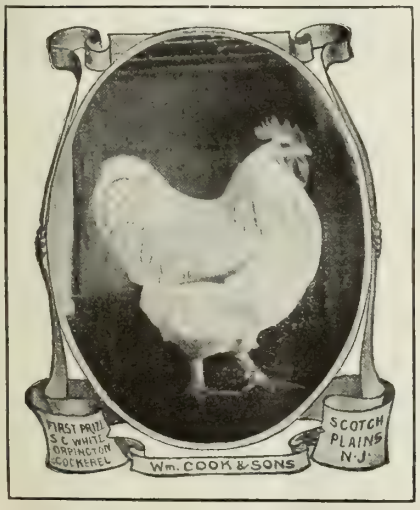
"'The disease of blackhead has been the cause more than anything else,' he said, 'of the scarcity of turkeys. Turkeys can be raised at a small cost and can be marketed profitably. To raise turkeys successfully they should be hatched by artificial means and should be kept away from ordinary fowl.'"

If Dr. Higgins really made the above statement it is up to him to prove it and make good. We're "from Missouri" and willing to be shown. Furthermore, we'll wager that if Dr. Higgins can grow turkeys in considerable numbers at a price that will permit retailing at 15 cents a pound, or teach anyone else to do it, he can become independently rich inside of five years and make more money than he could earn in a lifetime of lecturing on veterinary medicine. He will find the market willing and eager to buy at 25 cents a pound. For the past five years we have never

PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS—THE ACME OF PERFECTION—Send ten cents postage for illustrated art catalogue telling how I raise my prize winners. Mention A. P. J.

GEO. H. RUDY - - - ROUTE 15 - - - MATTOON, ILLINOIS



WM. COOK & SONS

ORIGINATORS OF ALL THE ORPINGTON FOWLS & DUCKS

Plants in America, England and South Africa Established 1873 : **Box A, Scotch Plains, New Jersey**

Eventually, if after the best Orpingtons any variety you will buy from their **originators, why not now?** And avoid loss and disappointment. We **guarantee** safe delivery and **satisfaction**, backed up by a reputation of 40 years' standing, this means something to you.

Now is the time to purchase your exhibition Orpingtons from their **recognized headquarters.** We always have a large stock on hand of imported birds from our English plant, being from stock mated up by our Mr. P. A. Cook especially for **American requirements.** We can ship the same day your order is received.

We have thousands of Orpingtons to choose from in S. C. Black, White and Buff, Diamond Jubilee, Spangle and Blue Orpingtons, **all** of which we originated.

It is **natural** the best can be procured from their **originators.**

Send 10c for illustrated catalogue. containing history of the origination of all the Orpingtons and hints on poultry keeping. Eggs from our winners and the finest Orpingtons in the world, $20 a setting; from fine stock, $10 a setting. Advice free. Inspection invited. Trains met. Over fourteen thousand first prizes won by us. We are by many times the largest poultry breeders in the world. Ornamental land and water fowl for sale.

paid less than 35 cents a pound for our Thanksgiving, Christmas or New Year turkey, and good ones usually had to be ordered some time well ahead of delivery.

Cost of production in all poultry and poultry products has nearly doubled within the last twenty years. You can't figure profits sanely without considering cost of production. We would be glad to have a demonstration from Dr. Higgins, or anybody else, on how to raise good market turkeys in good sized flocks at a cost that permits selling them at 15 cents a pound and allows the producer a fair return for his labor and investment.

The fact is that, of recent years, it actually costs close to 15 cents a pound to produce and land good chicken or duck meat in the market, and it sometimes costs more. We don't know what it costs to produce turkeys, but we do know how difficult it is to raise them and do not believe that under the most favorable conditions they can be hatched and reared by artificial means at any less costs than other poultry. Please show us how it is done Doctor.

Poultry Prices and Production Cost.

The Housewives' League and the hysterical sensational newspapers have pretty thoroughly roasted the American hen this winter and have called poultrymen and dealers some unkind names. The excitement about egg prices and the popular clamor for lower prices on eggs and poultry is based on a mistaken belief that there are exorbitant profits in the poultry business.

The cost of production of poultry and eggs has nearly doubled during the past ten years. The cost of living since 1907 has increased an average of 32.2 per cent. Wages for labor during the same period have increased about an average of 12 per cent.

For the past ten years there has been no material increase in the price of market poultry and eggs. In 1905 the average price of eggs for the year in our best large city market was thirty cents a dozen. Last year in the same market the average price of the same quality eggs was thirty cents a dozen. The past season prime fowls, alive or dressed, have been worth about four cents a pound more than they were ten years ago. This has been due to scarcity of fowls, largely because of high cost of grain. Roasting and broiling chickens have sold the past year for about the same values as ten years ago, in some cases at lower values.

A summary of the records of 30 eastern flocks for 1902 shows that the average cost of food for one hen for one year was then $1.08. In 1913 the New Jersey Experiment Station gave the cost of food alone for one White Leghorn hen for one year as $1.79. Reports of 12 eastern flocks for year ending in October, 1913, gave annual food-cost for one laying hen from $1.80 to $2.25. These prices are for food only,—no other expenses figured.

Ten western flocks in 1898 showed an average cost per hen a year of 70 cents for food alone. Last year in the same section it cost $1.50 to feed a hen twelve months. In 16 years the cost of production has more than doubled.

Isn't it about time to try to get better prices for poultry and eggs? While so much publicity is being given to claims of "exorbitant prices charged for eggs and poultry" it might be well to pay a little more attention to actual production cost and to showing that poultrymen are entitled to better prices than are now obtained.

Uncle Sam's statistics show that the average farm hen produces less than 100 eggs a year. It is a good flock on a well-conducted egg farm that will average 144 eggs per hen a year. True, there are 292 and 300-egg hens now, but they are not very numerous. There were 200 and 250-egg hens fifteen years ago, and probably before that. There were then and are today hens that do not lay at all and others that only lay two or three dozen eggs a year.

It is not fair to figure average food-cost per dozen eggs for an entire year as the sole basis of estimating profits. When you have 100 hens they have to be fed whether they lay or not. The fewer eggs they produce the more the eggs cost. In October and November, 1913, on a basis of actual production, expenses for the month divided by eggs laid, the cost of producing eggs was 45 cents per dozen in October and 50 cents a dozen in November (all expenses figured except owner's services). That was pretty close to selling price. (See Frank Jones' article on "Production Cost of New-Laid Eggs.")

Labor, food, and other expenses considered it now costs about an average of $3.00 a year to keep a hen. (New Jersey says $2.79 for Leghorns.) It takes very little mismanagement, or sometimes only an abrupt and severe weather change, to knock a big hole in the egg yield. Thirty-cent eggs nowadays do not give the poultryman a fair and safe margin of profit. He should get not less than 45 cents a dozen f. o. b. farm. Work for it.

An Extraordinary Hen.

Purdue University's Poultry Department has produced an extraordinary hen, and poultry fanciers and those calculating entering the business of raising poultry might well devote some time to a consideration of the record established by her. Miss Purdue, for so the hen has been named, is a White Leghorn, and during the last two years has produced 443 eggs, weighing 41.5 pounds. A register is kept of her performance and the records are beyond any question.

Miss Purdue weighs only 3½ pounds, but in the time mentioned above she produced 11.8 times her weight. She was a gourmand and consumed over 132 pounds of feed, a feat which will surprise a great many people. From every pound of feed, Miss Purdue produced 3⅓ eggs. She manufactured one pound of eggs from every 3.2 pounds of feed. The efficiency of the engine in the body of this small bird is indeed wonderful. She is considered one of the most efficient producers of a finished product from raw material that ever existed. Agriculturists acknowledge that a steer pro-

NONPAREIL

Barred Plymouth Rocks

Win at the Great N. Y. Palace Show

With 213 birds competing of the usual **New York Quality,** our birds won **First Prize Hen** and **Sweepstake Championship Special Medal for Best Hen in the entire Show;** Special for best shaped Female; **Second** Cock; **Second** Cockerel; Fifth Pullet; **Special First** Pullet-bred Pen; **Special Second** Cockerel-bred Pen; **Special Second** Pullet-bred Cock; **Special Third** Pullet-bred Cockerel; **Special First** Cockerel-bred Hen, **Special First** Cockerel-bred Pullet.
Spratts Silver Cup for Best Exhibit; Special Champion Female, etc.

Line Bred Since 1883

and winners at Boston, Philadelphia, Chicago, Washington, Toronto, etc., of over 1200 Prizes in our own hands. This year they are better than ever. We have a large stock of quality birds and can supply your wants. Mated Trios and **Pens a Specialty. Write your wants and get our prices.**

Eggs For Hatching

From the **Best Pens** we have ever mated at **$5.00** per setting straight. Send for our descriptive mating list, it's free, write now. When writing mention Am. Poultry Journal.

SCHWAB BROS. BOX 451 IRONDEQUOIT, N. Y.

duces a pound of beef from 12 pounds of feed and that a hog requires 4 pounds before it can make a pound of pork.

It cost $1.93 to feed the little lady for two years, but the value of her eggs at market price in La Fayette, Ind., was $10.11. Every dozen sold for 27.4 cents, but they cost only 5.2 cents to manufacture. If it were possible to find many such hens as Purdue found in this bird, it would be easy to get rich from poultry.

Miss Purdue made a profit of $9. over the cost of feed in two years. Her own value at the start was not over a dollar. Hens are certainly interesting little creatures and money-makers for their owners.

Ferris Leghorns for Winter Eggs



If you aren't getting a good egg yield now when eggs are high, it is time to change your methods, or your stock. In most cases where winter eggs are hard to get, the stock is to blame. No amount of care will make hens produce winter eggs when they have never been bred for eggs. If you have the wrong stock, change now before it is too late. **Ferris' Improved White Leghorns** have been scientifically bred for eggs for thirteen years, and the **laying instinct is bred in the bone.** We trapnest all our breeding pens and breed from no hens that lay less than 160 eggs a year. We select for size, health, vigor, and can furnish you the right kind of stock for egg production—and at low prices, too.

25 First Prizes at 8 Big Shows

Iowa State Fair, Des Moines, Iowa
August, 1913
First and second cock, first cockerel, first and third hen, silver cup for best cockerel in Mediteranean class.

Maryland State Fair, Baltimore, Md.
September, 1913
First and second cock, first and second hen, first pullet.

West Michigan State Fair, Grand Rapids, Mich., September, 1913
First and second cock, first and second hen, first and second cockerel, first and second pullet, first pen.

West Virginia State Fair, Wheeling, W. Va., September, 1913
First and second cock, second hen, first cockerel, second pullet.

Kansas State Fair, Hutchinson, Kansas, September, 1913
First cockerel, first pullet, second pen, second sweepstakes.

Alabama State Fair, Birmingham, Ala., October, 1913
First and second cock, first and second hen, first and third cockerel, first pen.

Georgia State Fair, Macon, Ga.
October, 1913
First, second and third cock; first, third and fourth hen, first and second cockerel, first and second pullet.

Mississippi State Fair, Jackson, Miss., October, 1913
First cock, first cockerel, best cockerel in show.

Prices are reasonable, too. We have thousands of birds to select from, and are in better shape than ever before to furnish exhibition and breeding stock. Hundreds of exhibition cocks, hens, cockerels and pullets direct from our winners, at $15 and up for males, $7 and up for females. You will be surprised at the values we are giving at these prices—big, long-bodied birds with beautiful Leghorn shape, good heads, extra low tails and perfect color. Remember that we can furnish winners for any show in the country and will guarantee them to win first prize.

If you want laying and breeding stock, we have fine yearling hens and pullets at $2.50, $3.50 and $5 each; cocks and cockerels at $5, $7 and $10 each. These birds are all bred from our trapnested layers with records of 160 or more eggs a year, and will make foundation stock that cannot be excelled for egg production. They will lay at least two dozen eggs a year more than ordinary stock, and whether you raise few or many, they will make the foundation stock you need for greatest success.

All stock is sold on a positive guarantee to please you or money refunded. Keep them three days, compare them with others, and if they don't suit you in every way, send them back at our expense. We also ship C. O. D. if desired, in which case you only need send enough to pay express one way. All stock is insured for 30 days—we stand the loss if any die.

St. Louis, Missouri
November, 1913
First cock, first hen and first pen.

Eggs and Day-Old Chicks

We are now booking orders for spring delivery. Thousands of fine hens in our bred-to-lay matings and 15 of the best exhibition matings that have ever been mated. Prices are remarkably reasonable and we replace all infertile eggs free and guarantee safe arrival of chicks any distance. Our capacity of 5,000 chicks a week enables us to ship large or small orders promptly and to quote low prices. Write us for particulars.

GET THIS CATALOG TODAY

Read the complete story of Ferris White Leghorns in the 132 page free catalog, which we will be glad to send you. Learn how we developed the laying qualities so that records of 160 to 200 per year are common, how we improved exhibition qualities until today Ferris Leghorns sweep everything wherever they are shown; how we feed, house and manage our stock. Fully describes all grades of stock, eggs and chicks, and will enable you to get started right at small cost.

Mail a postal today. The catalog will reach you by return mail.

GEORGE B. FERRIS, FERRIS LEGHORN FARM
905 No. Union Avenue, Grand Rapids, Michigan

Moreover, this little pride of the poultry department has produced eight sons and eight daughters, who are expected to be the progenitors of a race of heavy layers.

Mr. Rothpletz Thanks Mr. Haggin.

Editor American Poultry Journal.

Dear Sir: I write to advise you of my receipt of the breeding pen of White Orpingtons given by Mr. Louis Lee Haggin as the first prize in the contest for the best letter in "Why the White Orpington is the best utility fowl." Mr. Haggin has not only followed the letter of his proposition, but has exceeded it. A more thoroughly white pen I have not seen. The birds are unusually good in every way and are much admired. I will have them on exhibition at a show to be held in Birmingham in December or early January and possibly others.

I wish to tender my sincere thanks, both to the committee who so generously considered my article, in awarding me the first prize, and to Mr. Haggin for his liberality.

Needless to say that I hope, and will give my best efforts to secure from the birds results that will help to prove our contention that the White Orpington is the best utility fowl.

Sincerely yours,
F. J. Rothpletz.
Birmingham, Ala.

Dr. Woods' Notes and Comment.

Happy New Year Everybody. May you all find useful work to do, good will, happiness and prosperity in 1914 and thereafter.

* * *

Harry M. Lamon, expert poultryman of the United States Bureau of Animal Industry, Washington, D. C., continues to do good work for the betterment of poultry husbandry in America. We are glad to note progress in educational work through aid of moving pictures. Moving pictures will teach more in two hours than months and months of talks and lectures. The pictures, and the action in them, fix the lessons indelibly in the minds of the audience as nothing else but actual experience ever can or will. It practically amounts to experience, for the audience lives with the moving pictures through real experiences which are designed to be instructive and helpful. We hope our Uncle Sam will devote more time to moving-picture instruction in poultry husbandry and that in time we shall have reels which cover all branches. In an interview given to the Country Gentleman, Mr. Lamon said: "Poultry work—picture reels—moving pictures. * * * We've made a lot of them. * * * You ought to see the way people come to these lectures now that we don't do any lecturing," he grinned. "We used to talk ourselves hoarse and bore the audience stiff with poultry talks. Now that Secretary Houston has gone in for the moving-picture feature as an assistant in this educational work we have little to say. We let the pictures tell the story."

* * *

We haven't been able to learn much about the proposed A. P. A. "Market Standard" other than what already appears in the "proceedings" of the association. We understand that all information is being jealously guarded to protect the copyright of the forthcoming book. Just what is and should be copyrightable in a proposed National Market Poultry and Egg Standard, designed to promote more uniform and better prod-

uce generally all over the land, and the real advantage of said copyright to poultrymen anywhere and everywhere, is a problem that puzzles us. Of course we can see that the association can undoubtedly make certain profits out of some poultrymen and would-be poultrymen from the sale of such a book. There it would be on the same footing as any publishing concern, with some advantages from prestige and presumed official standing, but isn't it the consumer after all who makes the real standard of marketable products?

* * *

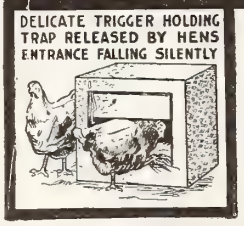
We can see how the market standard may perhaps net the A. P. A. a comfortable profit on the appropriation made for publishing it. But, why be peck-sniffery about it? Why not admit that the book is to be published as a business proposition, to be sold at a profit to members and others? Why not decide that the gentlemen who are preparing this work should be paid what their services are worth, instead of assuming that they should give much of their time, often at real money loss, for the benefit of the association and the great good it is to do poultry husbandry in general? So much talk about benefiting the industry makes us a bit weary. There's too much hypocrisy in it and too much attempted assumption that association rules are the law of the universe. Aren't we A. P. A.'s trying to assume more authority than we possess. We don't yet rule the breeders and fanciers, not by a long shot, and in some places we are losing our grip a bit. How can we hope to force rules on the producers of market poultry and eggs, marketmen and consumers? There's no animus in this comment. We simply suggest that we all think this matter over and be honest about it with ourselves. The sale of a copyrighted book is necessarily somewhat slow and limited. If we really want to secure better poultry and eggs, get a national standard that will secure more uniformity in quality, etc., all over this broad land, is the limited sale of a copyrighted book the right way to go about it? Wouldn't it be better to broadcast the information in free bulletins, in public demonstrations, in magazines and newspapers and through the poultry press? Wouldn't such a method do more to secure a national standard for market poultry and eggs that would be more promptly adopted and more universally recognized? A really helpful association of professional men doesn't make a business of patenting and copyrighting all good ideas in order to fat the treasury, it generally broadcasts such helpful matter without cost to all members of the profession, in an effort to do the greatest good to the greatest number. Think it over!

* * *

English fanciers accuse the American fancier of paying a good deal of attention to details, even hidden ones like undercolor, but giving little or no heed to type in the breeding of our exhibition fowl. When one visits the shows and notes the many types to be found in one breed class, the justice of the criticism is brought home. Plumage barred to the skin doesn't make a Barred Plymouth Rock or a Dominique. We have seen owls that were barred to the skin. Type is the ideal representation combining the essential characteristics of the genus,—type is the breed. And three great important essentials of type are: Shape, symmetry and size. Yet, our A. P. A. has banished symmetry. Let's have breed

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MOE'S NEVER FAIL TRAP NEST



A solution of all trap troubles—for, as the name implies, it never fails.

Lice-proof, fully sealed back and sides, but affording plenty of air when the hen is trapped. Can be placed anywhere in the poultry house. Trap easily removed so the nest can be used as an ordinary one. Set up and ready for use. Each nest packed in its own individual container.

No. 33, 1 foot square, complete 75c



MOE'S SELF LOCKING LEG BAND

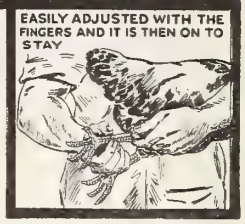


You simply push it together to lock it and it can only be removed by destroying the band. A sealed band that requires no sealer.

Every band has its own raised or embossed number,

12 Bands, any size 15c

Liberal Discount on Quantities



MOE'S SANITARY BROODER FOUNTAIN



Little chicks can't get wet. Sets in corner of brooder. Takes up little room. Can't be upset.

Manufactured in two sizes:

No. 0, 1 quart capacity 25c
No. 5, 1 gallon capacity 50c



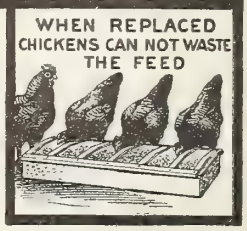
MOE'S SANITARY FEEDING TROUGH



Can be used for feed, wet mash or water.

Made in three sizes:

No. 21, 12 inches long 25c
No. 22, 18 inches long 50c
No. 23, 24 inches long 75c



MOE'S SANITARY POULTRY DRINKING FOUNTAIN



(Patented)

The most popular fountain on the market. Fills from the top.

Dead air space keeps water cool in summer and from freezing in winter. Drinking pen now made square, which does away with spilling when hung up. Can be used for two pens at the same time. Prevents chickens from getting their wattles wet in cold weather.

Manufactured in three sizes:

No. 1, 1 gallon capacity - $1,25
No. 2, 2 gallon capacity - $1.75
No. 4, 3 gallon capacity - $2.25



Also specially constructed for ducks and pigeons.

These are a few of the good things in Moe's line. Write for complete catalogue. If not at your dealer's, write us mentioning dealer's name and we will see that your wants are filled at above prices, your city.

Otis & Moe Manufacturing Co.
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type first and then try to work for lesser details without sacrifice of type.

* * *

We ought to give more attention to the preservation of breed type and less to the foibles and whimsies of fickle fashion. We recall some fine original type Dominiques at the 1913 Boston Show. We looked them over with their fancier owner and with Judge Drevenstedt. They had a beauty all their own and we were assured that they were just as good as they looked when it came to production and practical qualities. We're not so old fogy that we would want a breed to stand still. A certain amount of evolution is necessary, though gradual. But we would try to preserve breed characteristics and to have uniformity in breed type.

* * *

No comment necessary in this case. The editor of "Mature Medicine" in October 15th number says:

"Nature made certain laws, pertaining to the propagation of the human and other races, ages ago. They were and are perfectly legitimate. Then came along man with his alleged 'moral' code and declared the original law void—with reference to the human family—so that courts 'legitimatize,' or the reverse as prejudice dictates. Bah! Piffle! Double Fudge! Damn! But nature continues to do business in the same old way."

* * *

Dr. Otto Juettner, in an article on mental hygiene in the November "Digest," has the following to say about "cranks":

"I have a warm spot in my heart for that exclusive and ever-interesting class of people commonly designated as 'cranks.' I love a crank because he is a distinct personality. He is different from other people. He is better than the ordinary run of people. He is interesting and is remembered when hundreds of other people are forgotten. 'He is a crank,' which means that he rides a hobby of perhaps two. This fact, in and of itself, suggests individuality and originality. He is looked upon as a 'character,' and is never lost in the crowd of conventional and 'correct' people."

* * *

John A. Gough, in American Fancier, severely criticises the A. P. A. and its lack of real value to the true fancier. It does seem strange that members, who never fancied or bred a certain variety of fowl, often seem to have more weight in the making of the standard for that fowl than the fanciers whose art in breeding has made the fowl what it is. It has been said that the fancier of one special variety makes a poor judge of another dissimilar variety for the very reason that he unconsciously but persistently seeks the type of his own favorites. It hardly seems fair or just for a Wyandotte specialist (for example) to dictate the requirements for perfection in a Plymouth Rock,—or vice versa. There is room for improvement here.

* * *

One considerate reader cautions us concerning our "use and abuse of the English language"; says we "mix metaphors" and are "not always consistent."

Dear Friend and Reader: Our literary (?) style is our own, it's part of us and the blessed thing was "borned in us." So please don't judge us too harshly. If we were a Bard of Avon, a London, or even a Brisbane, we probably wouldn't be doing "chicken talk" for a living. So try to be sorry for us, or grateful that 'tis no worse, and be forgiving.

When you pitch baseball the main thing is to "get 'em over the plate" and to have the umpire say: "Strike three!! Batter up!" When one writes for class magazines the main thing is to "get 'em over," to tell the story plainly and forcefully so that the greatest number of readers will understand and be interested. We try to tell the truth as we see it and to hammer the facts home. Forget the metaphors. Maybe we are not always consistent. "Consistency, thou art a jewel," sometimes, but times change and men and things change with them. Emerson says: "A foolish consistency is the hobgoblin of little minds" and that only fools and cowards are always consistent.

* * *

The editor of the Pacific Poultryman is concerned about the rival claims for world's champion record egg production. He states that an attested record of 295 eggs in one year was made by a White Leghorn hen bred by D. Tancred of Washington six years ago. He also comments that agricultural colleges refuse to accept records claimed by breeders, that such records are disregarded, and that only college and experiment station records are recognized as authentic. His editorial intimates that colleges and stations, in an effort to advertise and get publicity, are quite as likely to lie about egg records as are individual breeders seeking publicity by the same means. And he further suggests that the experiment station tests should "be supervised by a disinterested party."

It isn't practical to supervise the performance of an egg record. It would

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BARRED PLYMOUTH ROCKS

The Pullet Breeding Line



My show record has been made with birds of MY BREEDING. I have mated and bred them for years and have pardonable pride in my success and the BREEDING QUALITY of this line which is of utmost value. They breed true and a quality to please you.

500 Cockerels and Pullets for Sale

These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder who wishes to improve his flock and breed choice exhibition and quality birds. They are the kind to bank upon for success. I will sell in lots and quantity to suit, and assure absolute satisfaction.

Selected Breeding Cockerels, $5, $7.50, $10, $15
Selected Breeding Pullets - $3, $4, $5 to $10
Trios - - - $10 up. Pens - - - $15 up.
A Special Pen of Male and 4 Females for - $25

Remember I select and mate all birds sold. Write me your wants.

Eggs for Hatching

Catalogue now on press. Let me send this to you—it tells the story of this line in breedings, winnings, matings, etc. It also describes the birds, with prices and general information. Write today.

C. N. MYERS, Box A, Hanover, Pa.

require the constant daily attendance of one absolutely dependable man on one hen for an entire year. To be absolutely certain he really couldn't leave the hen or her nest and roost either day or night. Then it might be necessary to have some one watch that man.

You can't stop men from lying. You can't stop them from seeking publicity by fair or foul means. And you simply have to trust somebody. There is no reason why the records published to date could not be true. There is ample reason for believing them to be true. Oregon has produced a 291 egg hen and a 302 egg hen, both cross-bred or grade Leghorns. Washington claims a White Leghorn of six years ago as a 295-egg hen. Nova Scotia has produced a 292-egg Barred Rock. Maine has shown by count that any old hen may have within her as many as 3,000 seed eggs, but to date no one has ever produced an authentic record to show that any hen ever yielded above 1,000 eggs in an entire lifetime. The high records are obtained by careful selection, trap-nesting and consequent removal of hen and egg from the nest at one and the same time (a factor in record egg production not to be overlooked), and by extraordinary care of the layers. While it might be easy to fake such records, for attendants to deceive, and for owners to lie, there is no good reason at present for using the "short and ugly word." We are willing to accept these records in good faith, until something to the contrary is proved. If there is any doubt, give the hen the benefit of it. There is no good reason why exceptionally fecund hens, of any of our popular varieties, should not yield 250 to 300-egg records under favorable conditions. We recall Silberstein's Light Brahma hen No. 61 with a record of 234 eggs in 1898. A Utah Brown Leghorn made a record of 257 eggs in 1897. Nearly every popular variety has produced individuals that were 200-eggers or better. "There is honor enough for all." Let's work for better hens and more eggs and not worry about the publicity some other fellow gets.

* * *

Department of Agriculture statisticians estimate that American farm hens laid during 1913 a grand total of 20,814,348,000 eggs. That allows an average of 219 eggs for the year for each and every man, woman and child in the United States. If you have had an egg a day you have had more than your share. In 1905 the estimated egg crop was 20,000,000,000; a per capita production for 1905 or 250 eggs for each and every man, woman and child in the country. A shrinkage of 31 eggs per person in nine years doesn't look much like overproduction. Hard-working American Biddy will have to work still harder if she is to keep pace with our increasing population. Within the next ten years we are likely to need a lot more 200 and 300 egg hens. Bred-to-lay breeders will have to keep busy.

* * *

When eggs are worth four or five cents each it does not take much breakage to turn profit to loss, one or two eggs broken to the dozen kills the profit. Egg boycotters should not forget that. Also, springtime is the natural period of fecundity. In the fall the adult hens are in heavy molt and the pullets may be backward about getting real busy with egg production, but labor and feed bills keep on merrily just the same. Some hens lay right along through the molt, but they are exceptions to the general rule. Fall eggs cost three times as much to produce as April eggs, therefore it is not remarkable that the producer wants to get three times the April price for them.

Scientists have proved beyond dispute that the good and the bad qualities of one individual may become the heritage of thousands in the course of a few generations. Certain ailments and abnormalities may be passed along to many generations of progeny and, in such cases, inbreeding aggravates the original trouble. In half a dozen widely separated locations in the United States there are colonies of persons afflicted with haemophilia (bleeder's disease) and these trace their descent back to one common ancestor, who was one of the early immigrants from England many years ago. Breeders of poultry should study heredity. It is a science which concerns them intimately. One fowl with a serious hereditary fault may ruin not only the strain in which it is bred, but many other flocks through the taint in the progeny. While it is important to breed for standard requirements, it is still more important to always breed for health and for the maximum constitutional vigor.

* * *

Frequently when one of the old guard of fanciers passes away much valuable experience dies with him. The fancy suffers a double loss. We wish that more real true fanciers would make careful notes of their experience and record or publish them for the benefit of others. Some young men are moved to write by the enthusiasm of youth and because they believe they have something new to tell; but the old timer, with a lifetime of valuable experience, does not often write. Perhaps age has made him indolent or he is not willing to publish his experience. 'Tis a great pity. Faithful records of the lifetime experiences of successful fanciers and breeders would be worth more than whole libraries full

CARVER'S TWO BIG RED FARMS. Rhode Island Reds and Red Sussex, the two varieties raised on separate farms. P.O. Seville, Ohio

Barred Plymouth Rocks

Winners at Chicago—Indianapolis—Memphis—Louisville—Shelbyville

Indiana State Fair, Indianapolis, Ind., September, 1912, 1st Pullet, 1st Pen, 2nd Cock, 3rd Cockerel, 3rd Cock, 3rd Pullet. **Tri-State Fair,** Memphis, Tenn., September, 1912, 1st Cockerel, 3rd Pullet, 5th Cockerel, 5th Pen. **Louisville Poultry Show,** Louisville, Ky., December, 1912, 3 Firsts, 2 Seconds, 4 Thirds, 1 Fourth, 2 Fifths. Special for the Best Shaped Female. Two Silver Cups for Best Barred Plymouth Rocks. **Shelbyville Fair,** Shelbyville, Ky., September, 1912, 1st Cockerel, 1st Pen, 2nd Pullet, 2nd Cock. **Chicago Poultry Show,** Chicago, Ill., December, 1912, 4th Pullet Bred Cockerel.

Get our wonderful list of winnings, proving the superiority of our Rocks.

COCKERELS—$3.50, $5.00, $7.50; PULLETS—$2.50, $3.00, $3.50
EXHIBITION BIRDS—$15.00, $20.00, $25.00
INCUBATOR EGGS—$1.50 per 15; $7.50 per 100

We have on hand over 1900 early hatched stock, all raised

Direct from Our Premium and Pedigree Pens

bred to perfection in color and barring—and we can furnish you birds that you cannot get elsewhere at three or four times the price we ask.

We furnish, perhaps, *more winning exhibition birds to our customers* than any breeders in America. Our moderate, honest prices secure us all the business we can take care of, and our fine, large, magnificently barred birds, absolutely guaranteed, *carry off the blue for those who buy them.*

Send us your order for any exhibition or breeding birds you may need. We are old reliable breeders, *are Specialists in Barred Rocks,* have bred them successfully for 22 long years, and with our unequalled facilities for hatching and raising our birds WE ARE ENABLED TO GIVE YOU SELECTION NO SMALL BREEDER CAN POSSIBLY GIVE. You will make a great mistake if you place order before getting our prices and literature. Send for catalogue No. 3.

POPE & POPE **Box A** **Louisville, Kentucky**



A Chicago Winner, Dec. 1912

of text books. The American fanciers lost a good and true friend in the death of Henry T. Hales and his memory will live long. Yet, he has left us only a very small part of his thorough knowledge of Dorkings and his lifetime experience in breeding winners for the big shows. His mind was stored with a wealth of experience with Dorkings that would prove a veritable fount of knowledge for the fanciers of the present and coming generations. To lose the man is a loss to many, but inevitable; to lose so much of his life work is a loss to many who will come after us. Why not make your experience a matter of record? Nothing that is worth while doing is too trival to be recorded.

* * *

The Thanksgiving turkey crop for 1913 was of about the usual proportion, but in most markets there was a shortage of really good turkeys. Tons of turkeys reached the market in a condition that rendered them unfit for food. In Boston market, on November 25th, the health inspectors condemned over 2,000 pounds of fresh killed turkeys. A great many of these birds had not been properly chilled before shipping and were packed while there was animal heat remaining in the carcasses. Many of them had crops and intestines full of food. Mild weather and lack of cooling facilities on part of many turkey raisers were blamed as the cause of the enormous losses from spoiled turkeys. On the day before Thanksgiving the best turkeys sold at prices ranging from 33 cents to 48 cents a pound. Poorer grades sold at from 20 cents to 30 cents a pound.

On the day following Thanksgiving physicians reported an alarming number of cases of ptomaine poisoning resulting from eating spoiled turkey. Why do turkey growers, and poultrymen generally, ignore the ordinary common sense rules for preparation of dressed poultry for market? Government bulletins, exhibits and lectures, and poultry journals everywhere, have repeatedly furnished instructions for the preparation of poultry for market, yet every day our markets are flooded with poultry meat that is unfit for food because not properly prepared.

Everybody knows, or should know that all kinds of poultry should be starved for at least 24 hours before killing to make sure that the crop and intestines do not contain fermenting food and foodwaste. During this period they should be watered but allowed no food. The birds should be bled by sticking, dry picked, and should then be thoroughly chilled, either in an ice water bath or in a cold room where the temperature is just above the freezing point. The dressed carcasses should not be packed for shipment until all animal heat is out of the body and it is thoroughly chilled all through. If the weather is warm and the shipment must travel over one or two hours' journey to market, the poultry should be packed in ice or shipped in a refrigerator car.

* * *

On November 12, the U. S. Department of Agriculture sent out a warning against "sand stuffed" chickens. Live poultry shippers are accused of "adulterating" poultry by feeding soft food containing a large quantity of sand. Hereafter they are warned to omit the sand. At Brighton market, the same month, several drovers were cautioned to abandon the practice of feeding salted hay and bran to cattle on drive to market, allowing no water until arrival at market and then allowing the thirsty cattle to fill up with water just before driving them in to be weighed and sold by the pound. This practice, it is claimed, secured extra profit to the drover from the added water sold at beef prices. Uncle Sam is determined to discourage such dishonesty. More power to him.

* * *

Arthur G. Duston, White Wyandotte specialist, writes as follows:

"South Framingham, Mass.,
Nov. 14, 1913.

"Dear Doctor Woods:

"I read with interest your article on egg costs, in fact it was good enough to read aloud to Mrs. Duston. I think it's fine. When we could buy corn for 90 cents and oats for 65 cents or 75 cents a bag, hens could be kept for $1.00 a year, but today, feeding only straight grains, I contend that it costs 15 cents a month to feed a hen, and a party who raised birds for me kept a careful account and proved it.

"There has been an increase in the cost of feeding the hens, the cost of producing eggs and in the cost of raising chicks. Especially is this so in raising what we call fancy stock from small selected pens; building houses that would accommodate upwards of 200 layers and only mating up in them 35 or 40 females for special breeding. Then there is the upkeep, which like the poor "we have with us always," and last but not least, the selling cost, with coopage, catalogs and correspondence. I tell you breeders do not figure these things as they should. They think because they have sold a bird for $5.00 that that means they have made $3.75 or $4.00 on it, because they probably could only get $1.00 to $1.25 for it in the market. The same on higher priced stock. I don't "figger" that way. I could go on ad infinitum, but what's the use? If anyone ever met unfair competition it's the better class of breeders today, and if you don't believe it, sit right down and think how many in the game are making a dollar, that is, getting ahead; are not 99 per cent of them just fighting to live?

"J. H. Robinson was riding with a party in an auto and going almost past



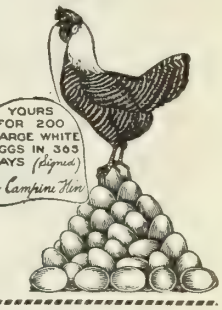
Do You Know That Kennedy's Improved Champion Strain

SILVER and GOLDEN CAMPINES

"The fowls with a character all their own" are the aristocrats of the show room in America. They have won the blue and red in the hands of my many customers at every show of note, such as New York, Boston, Baltimore, Philadelphia, Buffalo, Cleveland, Chicago, Los Angeles, Atlanta, Allentown, Hagerstown, Syracuse, as well as from coast to coast in Canada. Write me your wishes. I do not exhibit myself, so can fix you up right for any show. Send for **Campineology,** "the story of the living egg machines." Ten cents is appreciated.

Special. If you contemplate purchasing eggs for hatching, remember I make a specialty of supplying same from the grandest birds, that are properly mated for best results, and they will unquestionably produce winners.

J. FRED N. KENNEDY, Box F, Birch Cliff, Ont., Can.



DUNE-ALPIN

S. C. White Leghorns

Have won more **first and special prizes** in the past four years at Grand Central Palace, New York, Boston, Hagerstown, Philadelphia, etc., than **all competitors combined.** They have won in almost every large show held in this country and Canada for our customers. **They can win for you.** Our birds are better than ever this year. Proof:—Twelve firsts and ten seconds on twenty-two entries at live Long Island shows. At the

Great Hagerstown Fair, 1913

The greatest poultry show of the year, (7,000 entries), and in the strongest class of Leghorns out this year, we won cock 1-2-3, hen 1-2-3, cockerel 1-2-3, pullet 1-2-3, old pen 1, young pen 2-3, special for **best bird in the show,** special for **best cock,** special for **best bird in the Mediterranean class,** etc. Write for catalogue and prices.

Dune-Alpin Poultry Farm, Geo. J. Kerr, Manager, Box 561-J, East Hampton, New York

here so dropped off to see me. I called his attention to your article and he passed such a remark as this: 'If any of them figured in every line just what it cost them, how long do you suppose they would stay in?'

"Yours very truly,

"Arthur G. Duston."

We wrote Mr. Duston asking permission to quote his letter and under date of November 25 he replied as follows:

"I can conceive of no reason why you should not quote me in January issue if you want to. In regard to taking the poultry business too seriously I cannot believe that possible. It's a serious business when thousands are striving in the different branches of the business to get a living and a little more, whether they are placed right or wrong when they start, or if started go right. It is as tough or tougher for the man with a few hundreds to lose out than for the man with many thousands, most of the latter have acquired a standing which makes their brains an asset of value to some concern or other, while the small land owner or poultryman is on his uppers with only a pair of hands to care for himself and family. I think as you do that many times disappointment and failure might be avoided if the beginners only knew themselves, as the good book says, or in other words knew what paid and what did not,—what caused a leak and what made a good return.

"I enjoy your work each month and feel that it is helpful and inspiring. I wish you unlimited success and congratulate you on being associated with a true gentleman.

"Arthur G. Duston."

* * *

Letters like the above from Mr. Duston help and inspire one to keep on striving for better poultry and a better understanding of the truth about the poultry business. We have known Arthur G. Duston for at least sixteen years, perhaps longer. Although he is a thorough fancier and a conscientious judge of exhibition poultry, he doesn't lack sympathy and understanding for the strictly utility man. He has been through the mill himself, has grown prime broilers and roasters for market and supplied a demand for new-laid eggs. He believes that the poultry business should be taken seriously and considered seriously and that is important to get the facts about the business before the people. We have had plenty of fiction from a variety of sources. We have asked Mr. Duston for a story of facts from his experienee and observation and he has promised to write it for us.

* * *

With the Federal Government now actively investigating the price of eggs and poultry, and the causes of high winter prices, it will pay all poultrymen to consider their work more seriously. What are you going to say when you

NIXON'S WHITE WYANDOTTES in their 21st YEAR Boston; Madison Square Garden

The oldest and most reliable of White Dott tribes. They have made good in the thickest of trouble, winning out against the best that could be raked up for the big National Club meet at Albany, N. Y., 1913. There were others, but just fast enough to get beat. Say! Talk about quality. Why, it's better than ever. Big, plump, pure white birds in any number you wish, to win at any show you wish, and to breed the quality you wish. **Eggs ready January 15, 1914,** from the grandest yards I ever mated. Utility eggs in any number from excellent mated pens. Come to the old reliable specialist. No better egg machines in America. Write today. Literature.

CHAS. NIXON, Judge and Breeder, WASHINGTON, NEW JERSEY

IOWANA WHITE ORPINGTONS

Bred for Vitality, Productiveness and Quality

We can furnish you **cocks, cockerels, hens and pullets** of exhibition quality. We can furnish you with **superbly mated breeding pens.** We can furnish you any number of **utility breeders** from our **best blood lines** with which to start your own flock.



IOWANA FARMS POULTRY DEPARTMENT
DR. BRYANT SMITH, MGR. :: BOX S, DAVENPORT, IA.

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AMERICA'S FOUNDATION STRAIN OF WINNING ROSE COMBS

Originated and perfected by I. W. BEAN, Braintree, Mass.

AND THE WORLD'S MOST BRILLIANTLY DISTINGUISHED WINNING STRAIN OF SINGLE COMBS

Originated and perfected by A. U. DILLEY, Wrentham, Mass.
Now united under one management at

SOUTH BRAINTREE, MASS. (*New Address*)

To be Bred, Owned and Distributed on the Modern Progressive Principle of

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Certainty in Chick Raising



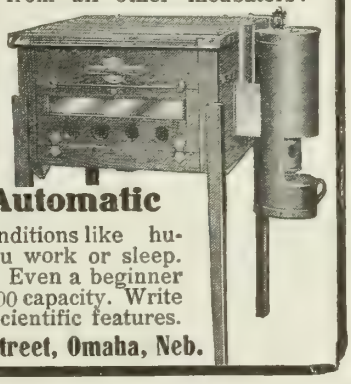
New Automatic Regulator

You get it only in the Mandy Lee Incubator, the machine which does not leave you to guess or experiment, but is operated by plain, simple rules.

Mandy Lee Incubator

One scientific incubating principle distinguishes the Mandy Lee from all other incubators:

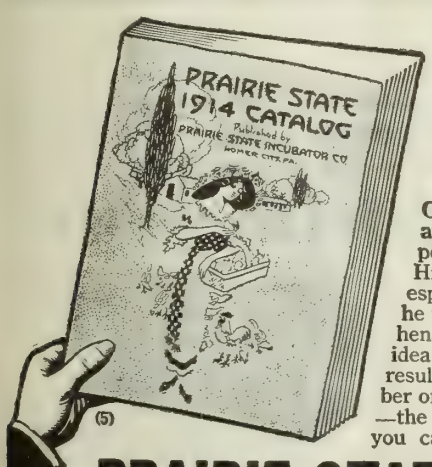
The Mandy Lee not only employs heat, moisture and ventilation, as other incubators do, but it recognizes a certain definite relation of the incubating requisites to each other. It ascertains the amounts with certainty. It regulates and adapts heat, moisture and fresh air to each other, creating the ideal hatching condition.



Everything Completely Automatic

The Mandy Lee maintains true hatching conditions like human intelligence—day and night, while you work or sleep. Mandy Lee is the incubator of certainty. Even a beginner cannot go wrong. Convenient sizes, 60 to 300 capacity. Write for latest book explaining the great new scientific features.

GEO. H. LEE CO., 930 Harney Street, Omaha, Neb.



NOW READY

NEW 1914 PRAIRIE STATE CATALOG

One of the world's foremost experts on artificial incubation and the rearing of poultry, wrote this big 112 page book. His advice is worth hundreds of dollars, especially to the beginner. For example—he tells you how, by studying the ways of hens that stole their nests, he hit upon the idea of the moistened Sand Tray and how it resulted in a wonderful increase in the number of strong, vigorous **"chicks that live"**—the profit producing kind—the only ones you can afford to raise.

PRAIRIE STATE INCUBATORS and BROODERS

are used and endorsed by leading Agricultural Colleges and Poultry Experts, the world over. For over 30 years they have maintained the lead and with the many new 1914 features, they are simply incomparable. Beginners will be particularly interested in the new Keystone Model which maintains Prairie State quality with all the new improvements and yet sells for only $9 and up.

Send Your Name on a Postal for FREE Book

Do it today. A delightful surprise will await you for this is more than an ordinary catalog. It contains in addition to full descriptions of Prairie State machines and their exclusive features, about 60 pages of other valuable information on poultry raising. For example—**How to Feed, Rear and Breed for Best Results; How to Grow Green Feed in Winter; How to Build Poultry Houses; How to Treat Diseases; How to Preserve Eggs, etc., etc.**

This big, new 112 page book is FREE if you send now. Write—

PRAIRIE STATE INCUBATOR CO., Box 201, Homer City, Penna.

are asked about the cost of production? Do you know what it costs you to produce April eggs? Do you know what October, November and December eggs cost to produce? Do you know positively what it costs to produce a pullet at age of laying maturity? Do you know what it costs you to put a three, four or eight pound chicken in the market? Do you know what it costs to produce a fancy fowl, fit to win a ribbon in fair competition? We mean actual cost, labor, upkeep and all considered. If you don't know these things, why don't you keep books and try to find out? It is high time that you did.

With all this clamor about "high cost of living" and high prices for food (and goodness knows some of the prices are high), do you appreciate the fact that poultry and eggs have not increased in price the past ten years,—have practically stood still while everything else has kept right on going up? In a few markets there has been a trifling increase, but as a whole the 1913 prices for poultry and eggs are not unprecedented, are not higher than in 1904 and 1905 and the files of market quotations will prove it.

Yet, when food prices come in for investigation the prices of eggs and poultry are the first to be attacked. Because some Kansas farmer's hens keep themselves and lay in stolen nests and he sells the eggs to a collector for about ten cents a dozen, is the modern egg farmer and poultryman to be forced to sell his better-quality, better-fed, pure-food eggs at 25 cents to 30 cents a dozen, regardless of production cost? Think these things over and do a little "efficiency work" in finding out the cost of production. "Chickens come home to roost," and right now some of the highly colored fiction about exorbitant poultry profits is coming home to roost with the chicken man. Get at the costs, run the business as you would any other legitimate business, and we believe you will stay in. We want poultrymen to get in right, to go right and to stay in because there is reasonable and honest profit to be made,—a living and something more.

* * *

During the mild weather just before Thanksgiving many tons of fresh killed turkeys shipped to our large city markets were permitted to spoil in the hands of the transportation companies instead of being taken by dealers and placed in refrigerators. Some of this poultry was tainted on arrival because not properly prepared and not properly shipped to stand the mild weather, but much of it was not spoiled on arrival. It was allowed to spoil because of rotten market conditions. The middleman looks out for himself and he seldom loses. The producer is the poor devil who has to "pocket the loss." A good many tons of fresh-killed turkey were condemned by health inspectors and towed down the harbor to be dumped. Better management of the marketing would have saved the loss to the producer and saved thousands of pounds of valuable food for the hungry. It is getting about time for our Uncle Sam to take charge of the marketing of foodstuffs in this country.

———o———

O. L. McCord, election commissioner of the American Poultry Association and judge, has moved his office from Danville, Ill., to 929-30 Jefferson Bldg., Peoria, Ill.

Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



EVERYTHING TOPSYTURVY.

IF THERE is any place in this great and glorious country where a newcomer is kept guessing, it is the southwest. A person might go from a northern state to England, France or almost any part of Europe and undertake rural pursuits without so much to be unlearned as in settling here; this remark being especially applicable to poultry matters.

Instead of planting certain vegetables in early spring when frosts are leaving, you plant in early fall, when the coldest weather of the year is approaching. This you can do because, though the air may be considerably cool in winter the ground retains a quite important portion of the heat stored up in summer, and your plants keep on growing till Christmas perhaps, or New Years sometimes, or even the entire winter. Some sorts of vegetables which if planted in September or October would do well; if put in, in April or May would perish in summer, not so much on account of the heat of the air which is less than in Massachusetts or Iowa, but on account of its dryness at midday which parches the leaves, those which are thick and leathery like the orange, cactus, mesquite, etc., excepted; possibly too, the roots of some species cannot stand the heat of the soil.

In climatic contradictions of northern conditions, besides the paradox that here in summer while the air is cooler than at the North, the soil is warmer owing to the approximately overhead position of the sun, making its rays strike the ground with a direct impact instead of obliquely; there is the oddity that when there is a frost, which comes rarely it is not found first on the short grass or other objects near the ground as at the North but on vegetation some fifteen or eighteen inches high; the earth's warmth stored up from summer protecting the short growths.

Another curious thing is that in digging a post hole at the north in early spring after a few sunny days, the top soil having been warmed up a little, the earth is cooler as you dig down; at the southwest at the corresponding season, it is warmer as you go down. At the south there are more wild flowers in winter than in summer. At the north in the winter there are none.

In midwinter there are no houseflies at the north. In midsummer, none at the southwest. Dews occur here in winter heavier and oftener than in the summer. The farmer's rest time is summer here, in common with many species of plants which become dormant then instead of in winter. Even the lightening bug carries his lights in front like an auto, instead of at the rear, as if to keep up the reputation of the district for contrariness.

There are various birds, notably the killdeer, that go flying around by night more than by day and some sing all night long, especially that crowning feature of the bird world, the mocking bird. Here houses are built with reference to having the wind blow freely through as many apartments as possible, while at the north there is much endeavor to keep wind out during a portion of the year.

At the north, cattle and sheep are salted occasionally, especially when on grass. Here vegetation is salted by the seabreezes too much already. There a flock of sheep will run after you to get salt. Here they despise it enough to run the other way. Here the well water is the warmer the deeper the well, instead of being cooler as at the north.

Here, in spite of the dryness of the air, the tires of your buggy do not have to be reset, which fact astonishes you. They grow tighter and tighter. Sometimes they tighten till they dish the wheels owing to the fact that the sand of extreme fineness forced by the high winds combines with the rust occasioned by the sea breezes and enters the slightest crevice between tire and felloes whenever the latter begin to shrink.

Here you turn the vertical parts of the pipe of a wood-burning stove bottom side up, so that the profuse drip from the fumes of mesquite fuel will go down inside the pipe.

And so, on and on, things go by contraries. "Mary, Mary, quite contrary," was undoubtedly born in southwest Texas, and lots of things about poultry have to be unlearned when you come here.

* * *

Roofless Roosts.

For four years roosting in the open, summer and winter, rain or shine, has been carried out at this experiment station, with success in every instance. The vicissitudes of the weather meanwhile have been as sharp and severe as any in the memory of the oldest inhabitant.

There have been a few times when

U. R. FISHEL'S AD in this issue will interest you. Read it.

Foxhurst Farm Champion Black Orpingtons

Our birds have been the largest New York Madison Square Garden winners for the past five years, a record never equaled by any other breeder or importer. Our customers have just as remarkable records in other shows. Get in line for some stock from a consistent winning and line bred strain. The best in America.



Show birds, cockerels and pullets ready to win at fairs, Fall and Winter shows, bred exclusively from our New York champions, also yearling cocks and hens shipped on approval, satisfaction guaranteed, at prices from $15 to $50. Write for catalogue. Mention American Poultry Journal.

Foxhurst Farm Lime Rock, Connecticut

the mercury has been below 20 degrees at night, but what is that for animals with thick overcoats? Really, it is heat rather than cold, take the year through, that is to be chiefly considered.

Speaking of the thick feathering of fowls, it has seemed to me, though I may be mistaken, that the northers such as may come in spring or summer as well as in winter, take effect on young growing chickens and cause them to become more thickly feathered than would be the case were the weather always warm, or medium, as in the late autumn, the golden time for hatching. That the feathering of adult fowls is also thick on account of roosting in the open instead of a shelter I am pretty well convinced. When, after the late summer moult, the new coat is growing at a time when there are some pretty cool nights, "under the calm moon and the silent stars," Nature sees to it that warmth is provided for against the coming winter by means of a great abundance of closely packed feathers. But be this as it may, the acid test is that fowls certainly thrive under the open air regime and it is a condition, not a theory, which confronts us. The practice of outdoor roosting pretty well to the south will naturally spread farther and farther north, modifications being adopted, of course, to meet the successive new situations, I believe that in time over a wide belt of country the invaluable open front will be on two or three sides of the roosting room instead of one only, in which case tight doors can be arranged to cover, occasionally, the two extra open sides if these happen to be to the windward in stress of weather.

Regarding the thousands of open-front poultry houses Dr. Woods has given to this country, which affords an ocean of fresh air, wide as heaven and deep as the other place, to the myriads of pairs of lungs hungry for it, there is another sanitary boon he has bestowed in the shape of temporary summer roosts in groves, with no shelter except the green boughs. This practice, I am sure, will spread, especially as it is well in line with the "back-to-nature" slogan so popular these days in other matters.

But having preached roofless roosts so insistently, I here and now proceed to take it all back; at least "provisionally." I would have a cheap slanting roof of boards over the perches, not, however, for the sake of the fowls, but to protect the manure, that important asset, the value of which is so generally underestimated.

Fowls hate rain, yet I am far from sure that the 25.6 inches annual average here is not actually good for them. Have often said that were roofs over perches offered me "free gratis and for nothing," I don't know as I would accept so far as the thrift of the poultry is concerned.

A party here has for four years used with success such roofs as mentioned, there being no sides or ends to the structure to impede the fresh air. These roofs were for the fowls, with no thought of the manure. If I adopt the practice the ubiquitous doubting Thomas will doubtless notice it and think I have changed my opinion. But I could tell him that the roof was not for the sake of the animal world, but for a realm of lowly and vile inanimate matter, to be glorified later, however, in the vegetable kingdom.

Of course, the manure can be raked or scraped in piles and carted away to prove fairly good fertilizer even if previously rain-soaked, but the advantages of having it kept dry are too manifest to need explanation. It is a happy correspondence of facts, instead of the perversity of things found so often in this cruel world, that while no rural pursuit needs an extremely potent fertilizer more than ye gentle art of poultry keeping does, since large quantities of lush, tender, quickly grown, fresh stuff are imperatively demanded, here is the fertilizer of the required efficacy.

Now, how about blue bugs, mites and stickfasts, the pests of a structure which screens from sun and rain these dire foes of vermin? Why, of course, you must have it movable; yea, easily,

200 FAST COCKERELS---Carver's Red Farms, Seville, Ohio

PALACE N. Y. SHOW, 1913

WINNING BARRED PLYMOUTH ROCKS

In a class of 213 birds, bred and shown by America's Leading Breeders in one of the largest and best classes ever exhibited, I won **Special First for Best Cockerel,** Mating Pen, Second Pullet Mating Pen, Fourth Exhibition Pen, **First and Third Pullet-bred Cocks,** Fourth Pullet-bred Cockerel, Second and Third Cockerel-bred Hens, Second and Third Cockerel-bred Pullets. **Specials, etc.** A record of merit in all classes.

Palace, New York Show, 1912

In a class of "Royal Merit" my winning First Prize Pullet was the sensation of the entire class. I also won Second Pen, Second Hen, Fourth Cockerel and Specials. At **Madison Square Garden, New York, 1912-13,** I won Seventh Pullet. This line has been bred for years in line and has made records at several shows. Choice stock for sale at all times, selected breeders a specialty in trios and pens, mated to produce superior quality. **Eggs for Hatching** from selected exhibition matings, $10 per setting. Utility mating eggs at special prices of $10 per 100. Write me your wants, I can and will please you. My utility lines are exceptionally heavy layers.

D. G. GENNERICH **MOUNT KISKO, NEW YORK**



Any one can win where the classes are small and competition is not keen, but it takes real quality to win in such shows as Boston and Madison Square Garden, N. Y.

Fairview White Rocks

Have won decisive victories over Boston and Madison Square Garden winners.

At Chicago, 1912, they won 1st and 3d Pen; 5th Cockerel and 1st and Grand Championship on Hen, besides Special for the Three Best Hens and Two Best Pens, competing with the strain that has been winning the cream of the prizes at the Garden.

Again at the New York State Fair, 1913, they won in competition Madison Square and Boston winners, 1st Old Pen; 3d Young Pen; 1st and 4th Cock; 2d and 3d Hen; 3d Cockerel and 1st and 5th Pullet. These winnings, with practically no training or any special conditioning, stamps "Fairview" White Rocks as America's Greatest Strain.

Am offering a grand lot of Cockerels at **$5, $10** and **$15** each, that will surely make a decided improvement in your flock. Do not buy elsewhere until you get a copy of my new 32-page catalogue telling all about "Fairview" Strain of White Rocks. It is full of valuable information and it's free. Send for a copy at once. When writing mention American Poultry Journal.

GUY DAILY BOX A JEFFERSONVILLE, INDIANA

quickly and conveniently movable, so that it can be on new ground where sun and rain have been, these being now allowed their work upon the old site. But what of the perches themselves? Simply have the roof on hinges, like the old-fashioned country cellar doors you used to slide down on, and be sure and flop them over once in a while when the sun is intense. This will serve the top of the perches. The doors being hooked down in the usual position, turn the whole structure over completely to have the sun strike the under side of the roosts.

Some work about this? Well, it will not need to be done very often. It is a detail, like others constantly demanding thought, where you balance one consideration against another. Here is lumber and time against increased strength of a strong fertilizer. If the game isn't, in your judgment, worth the candle, there is no law of heaven or earth to make you play it. One nuisance will prove to be the determination of certain of your flock to roost on the roof. By strict surveillance at the start, at dusk, armed with a bit of cloth tied to a long fishing rod, this trick is very easily cured, for fowls are very intensely devoted to their perches after occupying them two or three or four nights in succession.

Now, the roofs may serve a good purpose in enabling you to bring in a new crop of pullets at a pretty early age sometimes, to be domiciled where they are to stay. Presumably they have never roosted except under roofed coops and are not feathered enough to suddenly do without shelter. There is also another important consideration, which is that you may, if you think best, cover sides and ends of your roosts with wire netting for protection nights and not have any yard at all to enclose your perches. Your method of introducing pullets to the place where they are to stay will have to be different when there is no yard. There are as many ways of moving young birds from the nursery and domiciling them in a new place as methods of killing a cat besides choking it with hot butter.

* * *

A large, complete, ably edited and elegantly printed poultry book has lately been published, a "leading motif" of which seems to be to disparage raising poultry for food as a business. This masterpiece of sophistry is very cunningly gotten up by a writer who gets his living as an advocate of farm poultry and is just about as disinterested and fair as lawyers generally are.

The book starts out by asserting to the effect that the only "permanent" commercial poultry raising will be and must necessarily be as a side line on farms. The way it slurs over the puny commercial poultry efforts at Petaluma, Cal., where only ten thousand dollars' worth of eggs are produced daily, is laughable. When Petaluma, Texas, a new railroad station on the Riviera Beach & Western railroad, gets in full blast, and it and tributary portions of Southwest Texas produce twenty thousand dollars' worth of eggs daily for the Atlantic coast cities and Panama canal trade, will Rip Van Winkle wake up even then? In New Zealand, as every well informed poultry editor knows, five years ago there were but four persons exclusively engaged in food poultry farming for a living, and now there are over one hundred and the number is increasing by leaps and bounds.

A persistent endeavor, cropping out in various places in the book, is to belittle the large commercial poultry farms and at the same time laud farm poultry which is really the most la-

U. R. FISHEL'S AD in this issue will interest you. Read it.

Please read big three combination offer on back inside cover



First Prize Partridge Rock Cockerel Madison Sq. Garden, N. Y., 1911.

BIRD'S PARTRIDGE ROCKS

Won All Firsts and Specials at Madison Square Garden, January 1913—This remarkable record, with their decisive victories at **New York**, 1910-11, and **Hagerstown**, 1911-12, gives them a grand total of **21 of the 23 firsts** competed for, and stamps them as **America's undisputed champions.** Their utility is equal to their beauty. The greatest prize winners and best breeders for you. Write your wants. Catalog and mating list for stamp. Eggs in season.

BRONZE TURKEYS **Won All Firsts at Hagerstown, 1912, and Madison Square Garden, N. Y., 1913** Making a grand total of **21 of the 24 firsts** at six great shows in 1910-11-12-13. If interested in the **World's Best Bronze**, write your wants. We will please you at right prices with the best exhibition and breeding birds ever offered. **Madison Square Garden, N. Y., 1913**—Our seventh consecutive year of winnings at this great show again surpasses all former records by taking **all four first prizes** and three second prizes, display prize and all specials. Write your wants. Catalog and mating list for stamp. Eggs in season.

Bird Bros., Box C, Meyersdale, Penna.



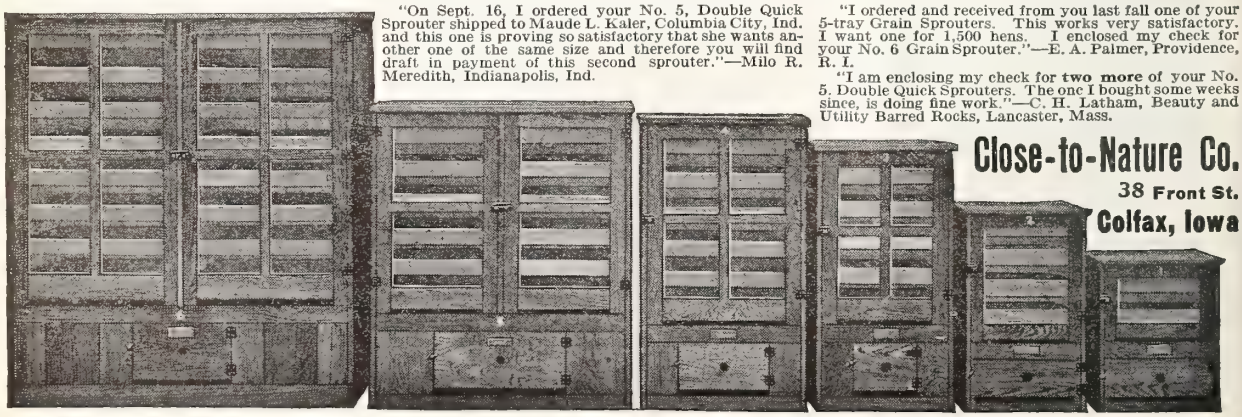
First Prize Bronze Turkey Cockerel Madison Sq. Gerden, N. Y., 1911.

DOUBLE QUICK GRAIN SPROUTER

THE PERPETUAL POULTRY SILO--Grows Green Feed While You Wait

The First, the Original, the Pioneer of All Grain Sprouters. Built in six sizes, from ¼ bu. to 8 bu.; for a few hens to 1,000

The **Double Quick** originates and initiates—others imitate and appropriate. Fully 100 **Double Quicks** to every **half dozen** of all other kinds combined. Now in its **fourth** year—in use in **every** state and territory in the U. S.; in Canada and Mexico; in **eight** foreign countries; **thousands** have tested its value; many large poultry plants use from **one** to **five.**



"On Sept. 16, I ordered your No. 5, Double Quick Sprouter shipped to Maude L. Kaler, Columbia City, Ind. and this one is proving so satisfactory that she wants another one of the same size and therefore you will find draft in payment of this second sprouter."—Milo R. Meredith, Indianapolis, Ind.

"I ordered and received from you last fall one of your 5-tray Grain Sprouters. This works very satisfactory. I want one for 1,500 hens. I enclosed my check for your No. 6 Grain Sprouter."—E. A. Palmer, Providence, R. I.

"I am enclosing my check for **two more** of your No. 5. Double Quick Sprouters. The one I bought some weeks since, is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass.

Close-to-Nature Co.
38 Front St.
Colfax, Iowa

mentable failure of any food producing industry in the world.

It is true enough that at the present time, as in the past, almost the entire mass of poultry products are from farms mainly devoted to things other than poultry, and this is likely to be the case for a long while to come, because awkward, uneconomical methods in any industry are always persistent, even to the time when they are ridiculous failures, just as cloth is still woven by hand in portions of the central mountain district of this country; and of all backward callings farming is the worst.

The reason why poultry on the farm is now and will be generally a failure is that however economically eggs may be produced, owing to good range, they will be mostly marketed as grocery eggs, an article of the very lowest rank in their class, as was lately shown in this magazine. Eggs occupy a position absolutely unique among all important articles of food, not because they are perishable, for many other food products are that, but because their quality cannot be determined by ordinary inspection as the quality of meats, cereals, vegetables and fruits can be. This makes it imperative that between producer and consumer there be no third party. Since but few producers on general farms near cities can deliver fresh eggs directly to families of a certain class willing to pay a good price, such cases can never comprise but a small per cent of the whole number of farms. No co-operative system of gathering eggs at farms and selling under one brand can ever reject moderately stale eggs, although it can succeed in throwing out decidedly bad ones.

No system of providing the nation's food that cannot furnish the highest quality is worthy of encomium. The large scale system of raising and marketing by independent operators can and will furnish eggs of this quality.

"Our national incompetence in things agricultural is a disgrace. Leaving out some of the specialists, we are the poorest farmers in the civilized world, excepting the Russians only, notwithstanding the fact that we spend millions upon millions each year furthering farm education. Not a few of the agricultural correspondents and even editors of farm papers have openly sneered at the folly of the United States government sending a commission to Europe to study the highest and most advanced forms of agriculture. To the person coming back from the older countries and seeing in clearer light, the farming of Americans, generally speaking, is enough to make one heartsick." The above was well said by M. A. Schofield in Texas Farm and Fireside.

"But," some may claim, "there is a great activity now in education along farming lines," as the writer quoted says. The state agricultural colleges receive larger and larger appropriations, the ranks of their students are in some cases doubled every three or four years, and thousands of their graduates go back to the farms to practice what they have learned. In the public schools, studies in farming are being rapidly introduced in many states, suitable text books being latterly available, lecturers are abroad in the land, cars of instruction are rolling on some of the most important roads with exhibitions of farm products and "movies" galore, prizes are offered by the Agricultural Department at Washington to farm boys for the best acres of this and that crop, etc., etc.

All this is very good, but for a long time to come only a small part of the farming in this country will be skilled labor or be performed by people that may properly be denominated educated or even intelligent. There are a few specialties where such skill as well educated farmers possess will give paying returns, but so long as hordes of the unskilled peasantry of Europe continue to come here it is unskilled work that they will perform, and this they will find in the mines and on the farms. The superior native-born worker moves on to other pursuits and gives place to the typical "man with the hoe, brother to the ox." The lowbrow, poor devil, he or his wife will produce "farm poultry." The bulk of farm work is a dreary monotony of irksome toil and does not demand skill. There is much of the veriest teradiddle about "scientific farming." For every trained agriculturist there will be a dozen mere human cattle. The proportion of the latter is increasing in spite of the army of votaries of farm science. At the south the rough work will continue to be done by negroes and at the north by emigrants from southwestern Europe, permitted to come here by our shameful laws; because eugenics not having been rife, it has not been hitherto realized that in time they will inbreed with the bulk of our population, and pull towards the depths our otherwise splendid admixture of races. Look at farm life as it is, and will be, and see the sort of "permanent" poultry industry it involves. It is estimated that in the great farming state of Missouri, one egg out of every five is a "bad un," and of the four remaining, three are no better than they should be.

ROUEN DUCKS

Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings.

SWEETBRIAR FARM

Louis B. Schram, Prop. ELBERON, N. J.

130 EGG Mankato Incubator $7.25



260-EGG-SIZE ONLY

$10.25

SAVE one-half by buying the Mankato. It is sold direct from our factory to you and has behind it our binding guarantee and 18 years practical experience building and operating incubators and raising poultry. There's no incubator at any price that will give you better results—and it's results you want. It's the one high class hatcher that is MADE right and SOLD right.

No Better Incubators Made

Built of real California Red-wood in natural wood finish, three thicknesses of walls, asbestos lined, heavy pure copper hot water tank and boiler, perfect automatic regulator, correct ventilation, safety lamp, high nursery, high legs, tested thermometer, etc. Heavy, well insulated wall construction and special double heating system insures uniform temperature and highest per-cent hatches. All set up ready for use. Simple, sure, safe, handsome and most successful. Big factory output, quick shipments.

Brooders for 120 Chicks $2.50; for 240 Chicks $4.00 and up. Send today for our big new annual catalog and see the why of our low prices and how good the Mankato is made—it's free.

MANKATO INCUBATOR COMPANY, Box 768 MANKATO, MINN.

The Moisture ? "Tycos" HYGROMETERS

indicate accurately the moisture needs in the egg chamber. YOU can then regulate the moisture supply intelligently. Too much or too little moisture drowns or suffocates the chicks in the shell. *"Tycos"* Hygrometers are thoroughly *tested* and *guaranteed*. Ask your dealer *now* for *"Tycos"* Hygrometers and Thermometers—if he cannot supply you, send direct to us.

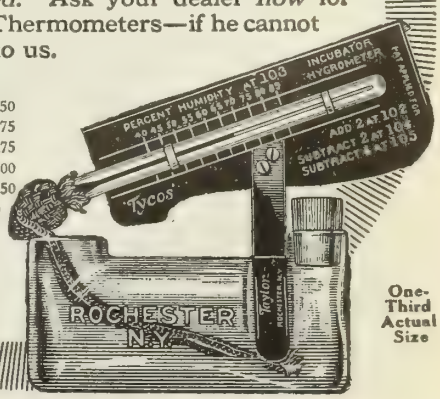
PRICES

Tycos	Incubator Hygrometer (Like Cut)	$1.50
Tycos	Incubator Thermometer	.75
Tycos	Brooder Thermometer	.75
Tycos	Certified Incubator Thermometer	1.00
Tycos	Electric Lighted Incubator Thermometer	2.50
Tycos	Electric Alarm Thermometer, prepaid,	5.00

Write for *free* booklet, "Thermometer Facts Worth Knowing."

Taylor Instrument Companies

100 Ames St., ROCHESTER, N.Y.



One-Third Actual Size



The mother in her office, holds the key
Of the soil; and she it is who stamps the coin
Of character, and makes the being who would be a savage,
But for her gentle cares, an honest man.
Then crown her Queen of all the world.

—Old English Play.

A CORRESPONDENT sends us the following plea for the mother:

"A father, in talking to his careless daughter one morning, said: 'I want to speak to you of your mother. It may be that you have noticed a care-worn look upon her face lately. Of course it has not been brought there by any act of yours; still, it is your duty to chase it away. I want you to get up tomorrow morning and get breakfast, and when your mother begins to express her surprise, go right up and kiss her on the mouth. You can't imagine how it will brighten up her dear face. Besides, you owe her a kiss or two. Away back when you were little, she kissed you when no one else was tempted by your fever-tainted breath and swollen lips. You were not so attractive then as you are now. And through those years of childish sunshine and shadows, she was always ready to cure, by the magic of a mother's kiss, the little, dirty, chubby hands whenever they were injured in their first skirmishes with this rough, cruel world. And then the midnight kisses with which she routed so many bad dreams, as she leaned over your restless pillow, have all been on interest these long years. Of course she is not so pretty or kissable as you are, but if you had done your share of the work during the past ten years, the contrast would not have been so marked. Her face has more wrinkles than yours—far more—and yet if you were sick, that face would appear more beautiful than any angel's, as it hovered over you, watching every opportunity to minister to your comfort, giving of her best thought and strength in an effort to save you pain or suffering. Some one of these days she will leave you, and it is up to you, who from the very nature of things are filled with the sunshine of youth and hope, to make these declining days of your mother among the very happiest of her life, and you, better than any other, can do it.'"

Along this line of thought, a recent experience on a day's shopping tour with a mother and daughter may prove of interest. We rode in town together on an early train; we met in several shops during the day; we lunched together at noon, and rode home on the same train in the evening. The experiences of that day told a story of the utmost selfishness of a grown daughter and the almost superhuman patience of her mother.

The relationship of mother and daughter is one that appeals to all of us as one of the sweetest of human ties. It is infinitely good to see a mother training her daughter along lines of useful and helpful knowledge, endeavoring thus to early implant in her offspring a tendency toward those things which make for right living. It is beautiful to see a daughter whose thought for her mother's happiness and comfort discloses the deep underlying love which prompts it. But on the occasion mentioned the daughter had the center of the stage. It was plain to be seen that she felt her importance; that she was conscious of having eclipsed her mother to such an extent that the latter must be delegated to the background, while she, the young and beautiful daughter, should be allowed the privilege of playing to the gallery. The mother, a pretty little mild-mannered woman, graceful acquiesced, though it was plain to all observers that she could say more of real worth in ten minutes than the daughter in her incessant chatter could in an entire year. Aside from this, the daughter, had she been at all observant, could have acquired that rare and beautiful trait—courtesy—first hand from her mother; but she was apparently conscious of but one thing of importance in the universe—that being herself. She overruled her mother in the selection of gifts for the different members of their family; she insisted on seeing the entire stock of whatever line of goods she was about to purchase (and then usually bought elsewhere); at lunch she ordered her own particular fancies rather than her mother's. There was never one apparent thought of the mother's comfort or enjoyment throughout the day. On the way home, she monopolized the conversation with tiresome recitals of the "nerve-wrecking exams." she had "waded through" the previous year at a finishing school; of her dislike of mathematics; her positive hatred of Latin; and to the fact

Carver's Red Sussex were Winners at the Greater BuffaloS how

The Golden Road to Success

ALDRICH CHICK GROWER, a Specific for Bowel Trouble, and BONE-A-TONE, a Bone-Producing, Health-Giving Tonic.

READ CAREFULLY THE EVIDENCE OF AMERICA'S MOST NOTED POULTRYMEN:

Hope, Indiana.

Gentlemen: I wish to state that Aldrich Chick Grower reached us in due time, and I must say it is **without doubt** the Greatest Remedy we ever used along this line, and we have been raising fancy poultry since 1883. It is a frame builder and a body vitalizer. We have never used anything that made chicks grow up so readily as your Chick Grower. I can truthfully recommend to all poultry raisers this **Great Remedy,** and I assure you as long as you manufacture it and it proves the good merit it has this season we will continue to purchase it of you and order more in a few days. I note what you say in regard to BONE-A-TONE. I would like very much for you to send me a quart. It is surely a good Tonic, as you have given size and fast growth to your stock.

Wishing you every success, we remain,
Very respectfully yours, J. C. FISHEL & SON.

Collegeville, Pa.

Dear Sirs: It gives me great pleasure to report that your CHICK GROWER and DIARRHEA REMEDY is one of the Greatest Remedies that the poultryman has ever been able to get hold of. It is surely a wonder. I cannot recommend it too highly. Wishing you every success, I beg to remain,
Yours truly, F. G. BEAN.

NOTE.—Judge Bean judged the pens and females in the White Orpington class last December at MADISON SQUARE GARDEN.

CORDOVA, ALA.

Aldrich Poultry Remedy Co.

Dear Sirs: I have given your WHITE DIARRHEA REMEDY a most thorough test. While I have lost **at least** 50 per cent of all chicks hatched during the last two years by **this scourge, I HAVE NOT LOST A SINGLE CHICK** since using your REMEDY. I DO NOT GUESS about it, for I know it to be both a cure and an ABSOLUTE PREVENTATIVE. To test it I would divide the hatch and feed exactly the same, but give one-half of chicks the Remedy in their drinking water and the other the plain water. **NOT A SYMPTOM** ever appeared in the flock given the Remedy, while in 3 or 4 days the others were all stuck up with white diarrhea. I would put them on the treatment and all chicks that were able to eat and drink QUICKLY RECOVERED, and not another chick became affected, although the sick and well chicks remained together.

I consider your cure **The Greatest Blessing** for the poultry interest of any discovery in 25 years.

Respectfully, POPE M. LONG.
Breeder of Silver and Partridge Wyandottes.

The above evidence is proof conclusive of the merits of THE NEW DISCOVERIES made by Messrs. Rawnsley and Aldrich.

PRICES: **ALDRICH CHICK GROWER, $1.00 per quart jar, enough to raise 100 chicks beyond the danger point.**
BONE-A-TONE, $2.00 per quart.

DON'T LOSE YOUR CHICKS when an ABSOLUTE REMEDY can be secured at a nominal cost

ALDRICH POULTRY REMEDY CO. :: 4045 North High Street :: COLUMBUS, OHIO

that she had every dance engaged for the hop, then two weeks away. Her conversation was monotonous in the extreme, but, worse than that, it was heartlessly selfish.

Such an experience points to a lesson that many parents need to learn. While the daughter was undoubtedly innately self-bound, the parents should have early prevented their daughter from forcing her ego on those about her, by carefully and systematically bringing her to the realization that her status in society as well as her own happiness depended upon her helpfulness; her sympathy for, and interest in, others; and to the extent and worth of her kindness and comfort-giving qualities. These things are not so universally sought after by young ladies of the day as a knowledge of the latest stitches in embroidery, bridge playing, or the new dances—all well enough in moderation, but if acquired under the mother's patient tutelage, would net them far greater returns in happiness.

Along with other marvelous advances, condition in the home are bound to improve. For one thing, we must train the children to have a higher and truer respect for the mother who bore them. That after years of self-sacrifice and devotion to her offspring, she is frequently left alone, or used as a sort of family drudge, is a disgrace to our so-called civilization. That she is using practically the same old-fashioned tools in her housework as used by her grandmother, doing her work as best she can in an inconvenient, poorly lighted and half-equipped kitchen, is not due half so much to unprogressiveness as to the fact that her hands have been too full with, as one writer has said, "creating the human race, taking care of it after its birth, washing it, watching it, nursing it, feeding it, and carrying it around for months before its birth and years after."

Cream Prune Pie.

Stew the prunes until tender and rub through a colander. To each cup of pulp add one cup of sweet cream, the beaten yolks of two eggs and one cup of sugar. Bake with one crust, in a medium oven and cover with a meringue made of the whites of eggs, a teaspoon of sugar and a few drops of lemon juice. Brown in a quick oven.

Syrup.
By Miss C. F.

Place a cup of brown sugar and two cups of water in a sauce pan and allow to boil until it is the consistency of syrup. Remove from the stove and add five or six drops of vanilla. This is a good substitute for maple syrup.

Prune Whip.
By Miss C. A.

Soak the prunes over night and cook slowly until tender. To one cup of the pulp add a tablespoonful of lemon juice, three-fourths of a cup of sugar and the beaten whites of three eggs. Beat all together until light and frothy, and place in a pudding dish in a pan of hot water in the oven for about ten minutes, and serve immediately, with or without whipped cream.

The editor of this department acknowledges the following recipes, contributor unknown:

French Dressing.

Put into a tablespoon one saltspoon salt, one-half pepperspoon pepper, and fill spoon with oil. Mix well together and pour it over the salad; add two more tablespoons oil, and toss the salad thoroughly; lastly, add one tablespoon sharp vinegar. This will be enough for six people, if used on green salad; for cooked vegetables, use twice the measure.

Breakfast Eggs.

Should never be boiled. A thin shell of the white is made hard and indigestible, while the bulk of the egg is barely warmed through. The following is a better way: Put six into a vessel that will hold two quarts. Fill with boiling water, cover closely and set on stove shelf for seven minutes to cook very soft. Ten minutes for medium; twelve to fifteen minutes for very firm. Crumple a napkin in a hot dish and serve arranged in its folds.

Plain Omelet.

Put four eggs into a bowl with half a teaspoonful of salt, one small saltspoon of pepper; beat them vigorously with a fork, and add four tablespoons milk or cream. Put one teaspoon butter in an omelet pan, shake it over the fire until frothy, turn in the eggs and shake over a hot fire until they are firm; turn onto a dish. To make any kind of a seasoned omelet, spread the seasoning over the egg just before shaking it over the fire.

Scalloped Eggs.

Slice six boiled eggs, season with salt, pepper and some chopped parsley or cheese or onion, according to the taste; cover with white sauce made with stock. Sprinkle with a half cup cracker crumbs lightly browned in butter, and set in a moderate oven ten minutes. Or use one cup of scalded oysters to alternate with the eggs, and cover with a plain cream sauce.

SILVER CAMPINES exclusively, I have two hundred grand young birds bred from my Chicago winners to offer. No old stock to spare. If you want something choice in ckls., puls., trios or pens I can please you. Exhibition birds a specialty. Satisfaction guaranteed or your money refunded. **R. H. Cropper, Nora, Illinois.**

FELCH OFFERS

The product of his breeding pens of 1913 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts

The 3 GREAT EGG MAKERS THAT PAY FOR THEMSELVES IN A YEAR.

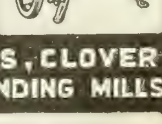
CROWN BONE CUTTER $6.50 Has hardened steel knives. Price, like picture, $8.50; for bolting to table, $6.50. For larger sizes see our Book



Unless fed plenty of Freshly Cut Green Bone, with the meat and grissle still sticking to the bones as you get them sweet from the butcher, and Cut Clover, hens can't lay as many eggs as they should. The bone must be freshly cut or it's tainted, and spoils the eggs, and often poisons hens. Clover must be cut into short lengths, or most of it is wasted, and what is eaten is fibry and often clogs the crop. If you don't give hens lots of ground SHELL and GRIT they can't digest properly nor get out of food what they must have to make eggs.

Don't depend on buying cut bone because you can't get it fresh, and dry bone and meat scrap are poor substitutes. The only satisfactory and profitable way is to own these three splendid machines. They 're not expensive, are easy running, not complicated, and built to last a life-time.

GEM CLOVER CUTTER $9 Cuts green or dry clover even and easy. Screw feed & adjustable cutter bar. Blades always square to bar. Price, like picture $9; high legs, $10.



WILSON BROS. BONE CUTTERS, CLOVER CUTTERS & GRINDING MILLS

GRINDING MILL $5 Best hand mill for grinding easily, quickly, Dry Bones, Shells, Grit, Charcoal, Corn, Wheat, etc. Price with Stand, $7; like picture $5. Larger sizes, hand and power.



WRITE FOR FREE BOOK

DON'T KEEP HENS UNLESS YOU CAN OWN THESE MACHINES

They won't pay you well enough for eggs or table. Keep a record of results and you 'll soon prove that these machines will pay for themselves in a year.

Handled by nearly all dealers and hardware stores, or shipped direct. Write for our prices on all sizes — hand and power.

Do your neighbor's cutting and make money. We also make the Corning Feed Mixer, the best mash and grain mixer in the World. Every Wilson machine is absolutely guaranteed. Write to-day for Free Book & Price List.

WILSON BROS. DEPT. F 25 EASTON, PA.



Who Made the Business Possible?

Q. I take half a dozen poultry papers and every now and then I see some reference to "the man who made the poultry business possible." Can you tell me who is meant and something about him? Reader.

Philadelphia, Pa.

A. We don't know who is meant and we don't know who originated that particular brand of fat-headed conceit. The men who made the poultry business possible lived and died so long ago that history falls us and all we have are our modern breeds of fowl, descended from the flocks of those pre-historic men who first domesticated poultry. There are a good many men in the world today who have helped to make the poultry business what it is; so many we would not attempt to name them, because we might leave out the names of many deserving ones. Those who have done the most are not often those who loudly and persistently proclaim their deeds.

Feather Pulling.

Q. My fowls are almost naked from feather pulling and feather eating. I feed three times a day, allow plenty of food and use 10% beef scrap in their mash. They have a good, roomy house and a small bare yard.

Swampscott, Mass. H. H. C.

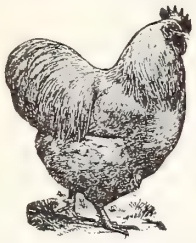
A. Feather pulling is a bad habit that results from bad management of the flock. Where fowls are confined in small yards, failure to supply sufficient green food will start feather eating habit quicker than anything else. Stop the hand feeding and use automatic feeders to keep the birds busy. Feed an abundance of fresh raw green food, all they will clean up every day. Not one yarded flock in a hundred gets enough fresh raw green food. Feed cabbage, sprouted oats, waste raw potatoes, apples, mangels or any good clean raw vegetable food that they will eat readily. You will be surprised to note the amount that they will consume. Hens will live and produce eggs on a very limited allowance of green stuff, if otherwise well fed, but they will do better and be in better condition if allowed all the raw greens they want and the hens that have the bulky raw green stuff won't have as many bad habits as those kept on short rations of greens. Also use a little salt for seasoning in your moist or dry mash. Another good way to supply salt is to hang a strip of salt codfish where the birds can pick at it.

Turkeys.

Q. (1) I expect to have this coming season about 12 turkey hens for breeding. Will you please tell me if one gobbler will be sufficient? What is the rule for turkeys?

A. (1) One male is generally sufficient for ten or twelve females.

Q. (2) About a year ago I secured some stock supposed to be pure Mammoth Bronze. This season as many as six pure white turkeys were hatched from eggs from this stock. I have been told that the white turkeys are "sports." Is this correct or is it likely that the stock is not pure? Some of the hens have breast feathers tipped with white, although the gobblers have brilliant bronze plumage on breasts. It seems to me that if the stock were not pure the young turkeys would be mixed in color instead of pure white. There is quite a variation



SUNSWICK BUFF ORPINGTONS

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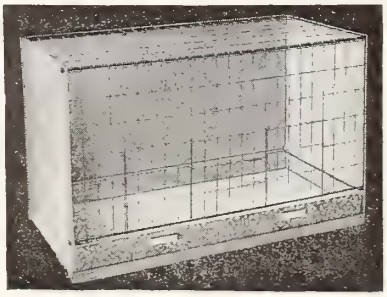
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in the young stock, some being lighter than others, but all are evenly colored and none are blotched. L. H.

Albuquerque, N. M.

A. (2) Male should have bronze breast; females should have edging of white in breast feathers. See Standard of Perfection. The white turkeys are probably sports and not an indication of impure stock.

Ermine Orpingtons Wanted.

Q. (1) Are there any Ermine Orpingtons bred in the United States and who breeds them?

A. (1) Write Wm. Cook & Sons, Box A, Scotch Plains, N. J. Any other breeders please communicate with editor, as correspondent did not sign name.

Q. (2) Are the bulletins published by the Maine Experiment Station for sale and where can I buy them?

A. (2) They are for sale at moderate cost to persons who reside outside the State of Maine. Maine residents can secure them free. Address Director Charles D. Woods, Agricultural Experiment Station, Orono, Maine.

Q. (3) What is the best remedy for a young chicken which seems to be hide bound. O. P. F.

Oshkosh, Wis.

A. (3) Feed all green food and sprouted oats that chicken will eat. Also give chopped raw onion and raw potato. Warm mash of scalded bran containing a little poultry mustard will help.

Worms—Scaly Leg.

Q. I have a Barred Rock cockerel that has a habit of wriggling its neck about and then opens its mouth and yawns like a person. He is very healthy and eats the same as usual.

A. Examine throat and see if piece of dry grass or straw has lodged in gullet. If not, then trouble is probably worms. Let bird fast for 24 hours, allowing only water to drink. Then with syringe introduce the following directly into crop by passing syringe tip down the gullet: Two teaspoonfuls of spirits of turpentine well mixed with two tablespoonfuls of olive oil or sweet oil; give all at one dose. In an hour or so give the bird a rectal injection of a cupful of luke-warm soapsuds.

Q. What is a good cure for scaly leg? J. M.

Carman, O.

A. Get following ointment and apply to the scaly legs daily for three days: Mix fifteen parts of oil of cade with thirty parts each of soft soap and lard; then gradually mix in fifteen parts of sublimed sulphur and ten parts of precipitated chalk. On fourth day scrub legs with hot soapy water. If they do not clean up well, the treatment may be repeated.

Inattentive Males.—Poor Egg Yield.

Q. In early spring of 1912, I bought a trio of White Plymouth Rocks from a reliable breeder. They were nice fowls. From these we raised a small flock of about ten pullets and as many cockerels. Almost every egg hatched. Last January we sent two pens to two local shows and took blue ribbons, as well as red, yellow and pink. The cock won prize as best cock in show and the pullets got first, second, third and fourth in their class. One cockerel got third in one show and

SINGLE AND ROSE COMB REDS

Winners at Cleveland, Indianapolis, Detroit, Mansfield, Lansing. Also in customers' hands in all parts of the country. Stock and eggs of the best quality. Write for prices. Mention American Poultry Journal.

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We have bred, sold and exhibited more strictly high class White Runners than any one. Can furnish you winners or selected breeders.

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Rose Comb R. I. Reds

Five hundred early hatched cockerels for sale. All bred from our famous New York winners. Utility birds $2. and $3. each. Good breeders $4. and $5. each. Show birds $7.50 and up. Never before have we offered such bargains.



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My three party offer is proving a wonderful success. Selling three hatchers where I formerly sold one enables me to make you an offer on the famous "Ideal" that you simply cannot overlook. Send in your name today and get the details. Remember this startling offer is on a hatcher that has been known for years—conceded to be the surest and easiest profit maker for poultry raisers.

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You couldn't build a better incubator. I give you the best and most economical heating system—the best regulator—automatic ventilator—safety lamp—handiest egg tester and egg trays. Easy to operate, easy to understand, simple and practical in every way.



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Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, half price now. Write for mating list.

Harry Cass -:- Buffalo Hart, Illinois

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Hens, $2 each. Ten young cockerels and five one-year-old cock birds, $5 each.

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Of the Better Kind—Now ready for the early shows. Bred from our last season's winners.

400 Birds to Select from

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Best Hen in Whole Show, Columbus, Georgia, 1912.

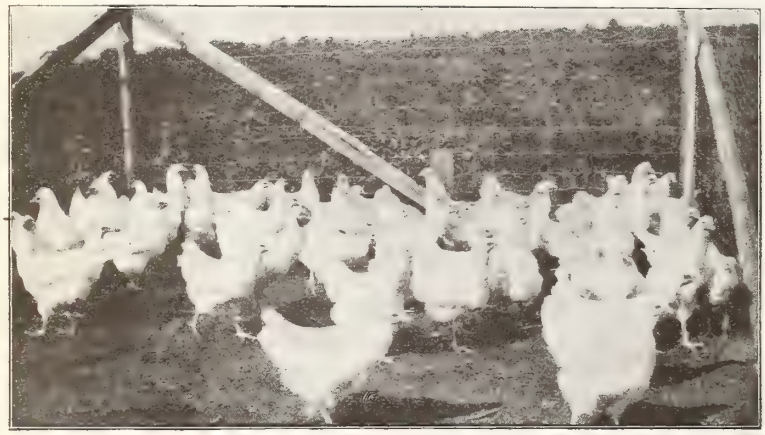
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We are the largest and one of the oldest hatcheries in America, and are prepared to turn out more and better chicks than ever before from strictly first-class show and utility stock. Price list free.

WHAT ONE OF OUR CUSTOMERS DID



First Prize Photo for 1913. Gets 100 Chicks. Raised 50 Very Fine Pullets from 100 W. Orpington Chicks.

Stop 20 1-2, Wickliffe, Ohio, Oct. 8, 1912.

M. Uhl & Co.: I am sending you a few pictures of the 100 W. Orpingtons received of you April 10th. I raised 92, only one died from sickness, the rest from overcrowding. Got 42 cockerels and 50 pullets. They are a fine bunch and I get a great many compliments. Even old chicken raisers said right from the start that they were the best day old chicks they had ever seen. To raise 92 of the 100 was beating their record. It is all in the quality, so I am more than pleased. I sold 35 of the cockerels when two months old for $1.50 each. Photos were taken at about four months old. You will hear from me again in the spring.

MRS. E. C. ELLIOT.

M. UHL & CO. - NEW WASHINGTON, OHIO

was disqualified in another for a feather in his leg.

We bred the old cock bird, then just two years old, to the ten pullets. The pullets were late in starting to lay; began some time in February. Then they laid well and would average seven or eight eggs a day. This they kept up into the summer, gradually falling off until molting. To our surprise these eggs did not hatch at all well and we found that the cock was not as vigorous as he was the previous season. He looked handsome enough and strutted around, but was not doing his duty as a cock. The cockerels were running with the rest of our flock. They, too, though fine looking birds, very seldom served the hens. We had bad hatches and only got about 20% of the chickens we should have had.

The young cockerels we have raised from this bad season are fine looking, as good as the cockerels were last year. We have two cocks left from last year's cockerels. Neither the young nor the old male birds take any notice of the hens.

When the molting season, about September with my flock, came, the cock seemed to get a little sick. We thought nothing of it at first but in a few days he dropped and died. We don't think he was at all sick until a few days before he died.

We are not getting a single egg now (December) from our flock of fine looking hens and pullets and have not had any eggs for about a month or more. Our hens are perhaps a little fat and I know they have a few lice. They have practically free range and are fed twice a day on mixed feeds, corn, milk and table scraps. Have not given much green bone. Fed a little last week that got rotten on hand. This made their bowels a little loose but didn't seem to hurt them otherwise. This is not the season for laying but we should be getting a few eggs. Please tell me why it is that for the past ten months my male birds have cared so little for the hens. Also tell me why I am not getting any eggs. What should we do to remedy this trouble. J. A. W.

Coalburg, W. Va.

A. In the first place you bought line bred show birds that had been bred close and fine to bring out show qualities in greatest degree. Secondly, you gave the birds a pretty severe test of showing; and much time spent in a show room does use up the constitutional vigor of breeding birds. Thirdly, you inbred the birds yourself about as severely as you could. You pruned the constitutional vigor, already strained almost to the limit of skillful breeding, and you overdid the pruning process. It was much as if you had abused a fruit tree by over-trimming and pruning after it had already been girdled to make it fruit better. You can't go on sapping constitutional vigor without getting into trouble unless you introduce new blood to offset the abuse of nature. Fourth, you admit being a bit careless in management and feeding.

You would have been better off to have bred the original trio both seasons and to have purchased other birds to mate with the young stock. Would recommend that you feed your birds as advised in article, "Give the Laying Hen a Chance," in December A. P. J. Don't feed tainted green bone, it is not safe and it does do more injury

than loosen the bowels. Get rid of the lice. Get new and unrelated males to breed to the hens and pullets. Take the best and most promising two males in your present flock and mate them with a few hens purchased from some unrelated flock. If you can afford only a very few new hens from good stock, get a number of cheaper common hens that lay white eggs so you won't be bothered to know which is which. Put both of these males in with same flock of hens, allowing them about twenty females in all. Feed and manage to keep them active and vigorous. Use an open-front house. If birds are healthy and well fed, competition ought to help along the attentive service you are seeking. If the large flock plan is not practical for you:—Give each of the males of your own breeding two or three unrelated females and keep them separated by an open wire partition so that they can view the birds in the other pen.

Poultry House Questions.

Q. (1) Why do you advise no dropping boards in your houses?

A. (1) It saves labor and the house keeps and smells sweeter and is not as damp under the roost as where dropping boards are used. We clean out the houses thoroughly once a year. Five or six times a year we rake out the droppings from beneath the roosts. The hens keep the droppings covered with sand and litter from the floor. No fixed time for raking out. If the droppings get damp and smell or begin to pile up, then they get raked out. If they don't intrude their presence on the house they are let alone. To give droppings boards the necessary attention to keep a house sweet and healthful requires a good deal of costly labor. Under some conditions droppings boards may be useful and desirable.

Q. (2) Where are nests placed in the Woods' house?

A. (2) Dark box nests are used and are hung on side walls.

Q. (3) How can I clean my poultry yards? They contain a great many large stones and rocks and the ground around these gets very dirty. Some of these rocks are 3 to 7 feet in diameter and can't be removed without a considerable outlay of money. Cannot get in to plow on account of rocks.

A. (3) Use a hand plow, a mattock and a spade to keep the soil deeply scratched up around the rocks. After working the soil well, sow oats in spring and summer and rye in fall. Frequent stirring and sprouting with grain will sweeten the soil. If soil gets sour, work in some air slacked lime. Best time to apply lime is in fall or winter.

Q. (4) What do you think of the "Rancocas Unit" system for commercial egg farm flocks? Would it work well with Plymouth Rocks?

A. (4) Large flocks give excellent results if properly housed and cared for. 500 Rocks in flock will yield well, but for both breeding and laying would prefer 100 to 150 females and 5 to 7 males for best results. Large flock colony system is well suited to commercial poultry keeping.

Q. (5) Do ducks have many diseases? Chickens seem to have a good many according to the books on diseases. Some say ducks are easy to keep and easy to raise and some say

SCHULTZ'S BUFF WYANDOTTES ALWAYS WIN WHERE COMPETITION IS KEENEST.

At Hagerstown, Oct., 1913, they won on five entries, 1st Pen, 1st and 2nd Hen, and 4th and 5th Cockerel.

At the Ohio State Meet of the Buff Wyandotte Club held at Cleveland, O., Dec., 1913, in one of the largest classes at the show, out of seventeen shown by me, fifteen were placed, including 1st and 2nd Cocks, and Specials.

Stock for sale, including several Cocks and Cockerels.

Egg Circular. **Prices Reasonable.**

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Fell's Farm White Wyandottes

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FIFTEEN FIRSTS AT THE GREAT ALLENTOWN FAIR

500 head at low prices Catalogue Free

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Our winnings the past ten years stand alone and unapproached.
We can win for you. Woodview Strain is bred that way.

Barred Plymouth Rocks, Single Comb Reds, White Wyandottes, Partridge Wyandottes
ALL BIRDS SHIPPED ON APPROVAL

JNO. PRINGLE, Prop. : : : : : W. W. DODS, Supt

DEER'S WHITE ROCKS

In competition with the world's best at the great CINCINNATI show won 2d cock, 3d pullet, 5th cockerel. For STOCK and EGGS write

F. L. DEER, -:- -:- FRANKLIN, IND.

S. C. WHITE ORPINGTONS

At Lincoln, Ill., show, Dec., 1913, won nine ribbons on twelve entries, including four out of five first prizes. Also trophy cup for best display of Orpingtons, any and all varieties, and cash special for best pen in English class.

My birds were also the principal winners at the 1913 **Illinois State** and **Decatur** shows. Some good stuff for sale at very modest prices. Some cockerels with extra good color at $5 and $10.

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Palmer's White Rocks

WINNERS FOR YEARS

Selected birds of all grades. **Your money's worth** whatever the remittance. Birds from us bring first-class results and will produce winners. Book your egg orders now and be assured of prompt delivery. $5 and $3 per 15.

"The Glen" Poultry Farm : Fairport, New York

S. C. Wh. Leghorns Baby Chicks

We Have No Other Breed

By concentrating all our efforts in improving the qualities of our breed of fowls, we are in a position to offer you chicks from breeders possessing unsurpassed utility combined with exhibition qualities ,and at prices asked by others for the ordinary strain. Our advance during the past season in perfecting the OLD RELIABLE SPRING WATER STRAIN has been marvelous.

We have among our breeders both male and female birds that have won first prize as singles and pens at some of the leading Eastern Shows.

We guarantee chicks hatched from eggs laid by our breeders only and their safe delivery to you.

Join our army of satisfied customers. You must be satisfied before we consider a transaction closed.

Order early, thereby assisting delivery on desired dates.

Eggs for Hatching. 90% fertility guaranteed.

We also offer choice breeding cockerels at tempting prices. Mammoth Incubators. Capacity 20,000 Eggs at one sitting. Write for free illustrated booklet.

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Breeders of **White Rocks, White Leghorns and Indian Runner Ducks.** Will start their hatchery December 1st and will hatch and sell chicks of the following varieties in addition to those bred on their home farm. **Barred Rocks, White and Columbian Wyandottes, White, Buff and Black Orpingtons, Brown and Buff Leghorns, Rose and Sinle comb Rhode Island Reds, and Light Brahamas.**

Write for free catalogue giving prices of chicks, ducklings and breeding stock. Book your orders early this year and get the early chicks that will make you the most money.

Every egg used in our hatchery this season will come from prize winning stock giving you in that way more for your money than any other plant in the business.

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RINGLET STRAIN. **Blood lines and quality show in every feather.**

Cockerel bred Pullets for breeding dark Cockerels ..... 5.00 each

Fine Cockerel bred Cockerels ..... 3.00 each, 4.00 each

Pullet bred Cockerels of very fine quality ..... 3.00 to 8.00 each

Utility Pullets (not scrubs but from best breeding stock) 3 or more ..... $ 2.00 each

Splendid Cockerel bred Pullets 5 for $10.00

One very fine (yearling) Pullet bred Cock 10.00

Exhibition Cockerels and Pullets 5.00, 7.50, 10.00, 15.00

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Prudhomme's Campines Winners

Having won, and having supplied prize winners at the leading Fall and Winter Shows, I am now prepared to book your order for eggs for Spring delivery. Prices more reasonable, quality better than ever before. Mating list free; send for it. Breed my strain for winners. Mention A. P. J.

Dr. J. H. Prudhomme - Desk P, Thurmont, Md.

Ward's Champion Dark Cornish

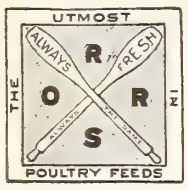
Mating list of the **Champions** ready Jan. 15th. Phenomenal wins at the big shows this season, and in the past, point to one man, one place for **the best** in Dark Cornish. Write

JOHN W. WARD, JR. BOX 7 PENNINGTON, N. J.

High Street Farm S. C. White Leghorns

Make a clean sweep at Carrollton, Nov. 24-28, winning 5 first, 4 second, 1 third and 1 fourth premiums; also cup for best display, cup for first pen Mediterranean class, cup for highest scoring cock, cockerel, hen and pullet in the show. **At Alton,** Dec. 9-13, 3 firsts, 1 second, 3 thirds, 1 fourth premiums, also champion male; all single comb White Leghorn club specials. We can supply your wants in exhibition and breeding stock. Satisfaction guaranteed.

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Orr's Special Chick Feed

Used by such men as D. W. Young; H. J. Fiske; D. J. Lambert, E. B. Thompson; Est. J. P. Morgan; Est. E. H. Harriman, and many others. Don't ruin the baby chicks with an inferior chick feed. We guarantee every particle; it is sound, sweet and palatable; will not get musty or sour. **It's always fresh.** You cannot raise the best strong, hardy chicks without **Orr's Chick Feed.** Our **mash, scratch** and **growing feeds** are the best made. **Old white cracked corn** one of our specialties. Send for booklet free; also price list.

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Loyd's Prize-Winning Partridge Rocks

GREAT BARGAIN SALE FOR JANUARY

25 Good Breeding Cockerels, $10 value at $6.00 each
50 Good Breeding Cockerels, $8 value at $5.00 each
50 Good Breeding Cockerels, $5 value at $3.00 each

A fine lot of pullets at same range of prices. Can furnish show birds for any show at reasonable prices. **Eggs after Feb. 1st.** Catalogue is free.

FRANK L. LOYD - - GREENSBURG, IND.

FISKE'S WHITE LEGHORNS

ARE IN A CLASS BY THEMSELVES

Won 1st Pen and 1st Cock at Grand Central Palace

Let me sell you your show birds and breeders. Have over one hundred cocks at $2.00 up. Mention American Poultry Journal.

Skylands Farm, Harlo J. Fiske, Mgr., Sterlington, New York

not? I admire Runners most.

A. (5) Ducks like all other animals are subject to diseases. Mismanaged they will give just as much trouble as chickens. If you properly care for fowls or ducks you should not have much trouble with disease. There is no easy path to success with any kind of live stock or anything else. You have to apply yourself to the work, learn to manage it properly and use a reasonable amount of common sense to get results in any kind of business and especially in live stock keeping. Runners are good ducks.

Q. (6) Why are my birds sick? I thought if birds were housed in open-front houses and fed on clean food and a variety, they were seldom sick. I bought my chickens day old from reliable people. Got them in May. Kept in brooders about six weeks. 48 chicks direct from breeder were put in one brooder and when six weeks old I had 39 fine ones to put in colony houses; 54 chicks from a store were given similar treatment but developed "white diarrhoea" and although I used two well advertised remedies all but nine chicks died. I used commercial mixed feeds mostly. I kept the chicks in colony houses with a fair sized run, fed commercial mixed feeds and when run was bare of grass supplied green food. Used disinfectant in water once a week and kept founts clean.

I bought 50 Barred Rock chicks from a farm hatchery the last of June and about the same time 50 more three weeks old chicks from a White Rock breeder. The White Rocks did fine but I lost all but ten of the Barred Rocks with white diarrhoea. What was wrong?

A. (6) The white diarrhoea chicks, if they really had that disease must have come from infected breeding stock. If it was not white diarrhoea the breeding stock may have been lacking in constitutional vigor and possibly there was some mishap during incubation. The White Rocks you had were from open-air bred, open-air reared and open-air housed flocks that possess abundant constitutional vigor, as we know having visited the plant many times. The proprietor attends to the hatching personally and does not allow hired help to run the incubators or to prepare chicks for shipment. That will explain why his chicks gave you good results every time. If there is any lack of constitutional vigor in the parent flock it is pretty certain to show up in late May and June chicks if it is going to develop.

Q. (7) I am having trouble this winter with the birds I raised and am keeping. I have a Tolman house 14x24 ft. In order to keep the birds of different ages separate I have placed a temporary partition lengthways of house. In one half 7x24 ft. I have 7 capons and 18 pullets. Five of the pullets are laying. One was very sick and I killed her and another bird in another house is sick. Some have colds and swelled head and perhaps roup; I don't know what roup is like. The droppings boards in this house are cleaned every day except when the droppings are frozen. I use patent litter and feed on commercial feeds and a grain mixture of wheat, oats and cracked corn fed in litter. Turnips or steamed clover are fed daily. Once a week permanganate of potassium is used in drinking water and once in a while the dropping boards are sprayed

with disinfectant. I had three sick with colds and cured them. A few have had rattling in throat. I have used napcreol in drinking water and have swabbed out noses with dioxogen and water. What do you advise?

Bradford, N. H. W. H. L.

A. (7) It was a mistake to run a partition through the middle of the house. It makes the room too narrow to light and ventilate properly. That and the dirty rocky yards may have helped the development of colds. You don't mention any foul odor from nasal discharge so we do not think that the birds have roup. It is bad practice to dose the drinking water for well fowls. Don't give medicine until there is need for it. It is not advisable to spray the interior of a coop in winter weather, (except under unusual conditions) and in so doing you made the quarters damp, which invited colds. Would get rid of the middle partition. Would clean out and burn all of that litter. On first warm sunny day get all the sunshine and air you can into that house to dry it out. Use automatic feeders for feeding and keep straw litter under these only and use dry sand or earth on balance of floor. If any of the birds still have colds mix two teaspoonfuls of napcreol with a gallon of luke warm water in a small pail and use this solution to dip heads of birds; dip the head with bird's beak held open. Feed an abundance of fresh greens or sprouted oats. After cleaning the dropping boards sprinkle them with dry ground land plaster to take up excess of moisture in boards.

Tonic and Tissue Food.

Q. Have been reading "How to Raise Chicks." Would it be any advantage to use the tonic powder or tissue food mentioned on page 43 in a dry mash, hopper fed, for confined fowl? H. I. H.

Purchase. N. Y.

A. The formula given in book is a good one for a tissue food for breeding or growing fowls to supply needed mineral food. Fowls on wide range do not, as a rule, need it, but it is excellent for fowls in confinement where they can get only what is fed to them. It can be used in dry mash. Should be well mixed in. For adult birds use half a pound in 100 pounds of dry mash. For chickens two to six months old use one-quarter of a pound in 100 pounds of mash.

Housing Turkeys and Geese.

Q. I have read a good many poultry books but failed to find explanation regarding buildings for turkeys, ducks and geese. Would like to know the best sort of buildings for such poultry. J. L.

Leadville, Colo.

A. Open-front houses as used for hens is all right for ducks, but needs no roosts or nests. Simply litter the floor with straw and they will make their own nests in corners. All turkeys require is a reasonably high roost in an open shed. Geese do not care much about being housed. Give them an open front shed or a low shed coop and they will do well enough if floor is kept dry with litter.

How Often Does a Hen Get Broody?

Q. (1) Does a hen sit or get broody every year?

A. (1) Some hens seldom or never

SILVER LACED WYANDOTTES

Won at CLEVELAND, 1913, 1-2 pullet, 4-5 hen, 4 cockerel, 1-3 pen—14 entries, 13 winning ribbons in large class. These winners are MATED for the EGG TRADE.

EWING & ROMICH -:- -:- CRESTON, OHIO

SINGLE COMB BUFF ORPINGTONS

Birds that have good color and excellent types, won at Eastern Michigan Fair, five 1st and four 2d on 9 entries. Write for mating list and prices. Satisfaction guaranteed.

Walle C. Schoof, Specialty Breeder, Member N. S. C. Buff Orpington Club, **Imlay City. Mich.**

CLEVELAND'S S.C. BLACK MINORCAS

PRIZE WINNERS AT EAST MICHIGAN FAIR. In class of 59 won 1st cock, 1st hen, 1st and 2nd pen. A few choice cockerels and pullets for sale. Eggs for hatching in season. Send for circular.

Elmer Cleveland, :: Member of S. C. Black Minorca Club, :: **Imlay City, Mich.**

OWEN'S SILVER LACED WYANDOTTES

Winning at largest shows in customers' exhibits. Birds of like breeding and my FIRST CLEVELAND cockerel (now cock) mated for EGG TRADE. : : : **R. D. OWEN. CRESTON, OHIO**

Perfection Blue Barred Rocks



The **FIRST** Exhibition and **SECOND** Pullet bred **COCKERELS** at **CHICAGO** in 1911 are grandsires to my 300 choice birds I have for sale. Single birds $3-4-5-8 and $10. TRIOS $8-10-12 and $15. PENS, $12-15-20 and $25. My birds have blood lines of the best, fine individuals, and of good size. Stock shipped on approval. It pleases me to please you.

S. N. TREMPER. LOCK BOX 738, SANDWICH, ILL.

URBAN FARMS

PINE RIDGE BUFFALO, N. Y.

PRIZE WINNING

Black Langshans	Houdans	Black Tailed White Japanese Bantams
White Plymouth Rocks	Silver Campines	
Anconas	Mottled Javas	Mille Fleurs

MATING LIST FOR 1914 ON APPLICATION



Feed Me Number 4

and I'll fill your egg basket all winter. It is a scientific fact that Prescription No. 4 contains more egg-making material than a ton of oyster shell and 25 pounds of beef scrap combined. It is the egg maker SUPREME. Make your dealer get it for you.

Five pounds, $1; 1 pound, 25c, and your money back after using if not satisfied. Circular free. Write today.

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POULTRY INSURANCE

"THE PAGEL POLICY" ON QUALITY GOODS.

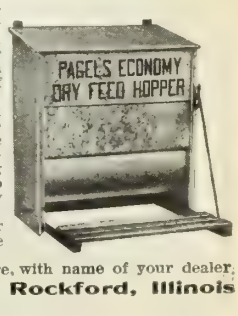
Non-Freezing Drinking Fountains, Non-Clog Dry Feed Hoppers, Perfection Chick Fountains, Poultry Regulator and Louse Powders



Our non-freezing fountains are non-freezing without the use of lamps, and by its use your poultry is **"insured"** of pure water before them constantly, at the right temperature the year around. You have no ice to chop, no frozen wattles, no filthy water, no cold, wet fingers, if you use this fountain.

Our Non-clog Dry Feed Hopper, the best feeding device. No wires or screens to injure fowls. Rat, rain and bird-proof. Saves the feed, lessens labor. It's the dry mash constantly before them in a sanitary non-wasting hopper that **"insures"** eggs. It costs less to feed right than it does to feed wrong, thereby **"insuring"** greater profits.

When you buy a quality article you remember the quality for a long time to come. "The Best is always the Cheapest."



Inquire at your dealers, or write direct for prices and descriptive literature, with name of your dealer.

Pagel Poultry Supply Company, Lock Box 211, Rockford, Illinois

Hillswood S. C. Reds Win, Palace N. Y. Show, 1913

In a great class filled with *Sensational Quality*, and one of the largest ever shown in America. I won *First Prize Cockerel* and *Championship Special for best bird in the whole class.*

THIS WIN HAS A STING OF QUALITY TO IT

I have for sale a number of choice Cockerels of the same line breeding and a few Trios and Pens. Write me your wants. *Eggs for Hatching.* I will mate a few very select pens from which to breed and sell eggs and feel assured my quality will please.

ERNST UNDERHILL - MORRIS PLAINS, N. J.

Nicholson's Royal Blue Orpingtons and Barred Rocks

Barred Orpingtons originated by me.

Our latest wins—Crystal Palace Show, London, England, Nov. 18, 1913. On Blue Orpingtons, V. H. C. on Blue Orpington hen in a large class. Our only entry. In Barred Rocks, in American Class, we won first and second cock, first, second and third hen, first and second cockerel, and second pullet and International Medal.

My customers report on Blue Orpingtons, first cock, first cockerel and first pullet at Fall River; also wins at Mansfield. We have some grand Barred Rock cockerels and a few grand cocks, and also some grand Blue Orpingtons which we can quote you prices on. Send for circulars.

Haldie Nicholson Leominster, Massachusetts

ROCKLAND STRAIN — THE BIG EGG BIRDS



SILVER CAMPINES

S. C. WH. LEGHORNS

We breed from Prize Winners, Madison Square, Grand Central Palace, Pittsburgh.

Our utility pens of Leghorns have been carefully selected with a view of surpassing our previous efforts to furnish eggs from these pens that produce prize winning birds.

Put some "Rockland Strain" blood in your flock this season.

Mating list ready January 10th.

Special. Ask for egg and incubator Record Cards today.



RIDGE EGG FARM - WEST NYACK, N. Y.

K. M. Turner, Prop. - "The Dictograph Farmer"

Wyckoff's S. C. White Leghorns

acknowledged everywhere the World's greatest laying strain; unequalled in standard qualities. Remember that we are the originators and for over 30 years specialty breeders of the justly celebrated **"Wyckoff" strain of S. C. White Leghorns,** the most profitable strain of poultry in America today. Place your orders at headquarters and make no mistake. **Eggs for hatching** in any quantity from the grandest of matings, both utility and exhibition. Catalogue and testimonials free.

C. H. Wyckoff & Son Aurora, Cayuga Co., N. Y.

Beauty and Utility

S PREMIER PARTRIDGE WYANDOTTES F

Sheffield Farm, Glendale, Ohio.

THE FAVORITES STILL LEADING

An Unequalled Record at the Fall Shows

At the big Cincinnati Show we won Every Prize; Nashville, Every Prize and Two Specials; Hagerstown, 6 Firsts, 5 Seconds, 4 Thirds; Knoxville, 5 firsts, 5 Seconds, 5 Thirds, 5 Fourths, 3 Fifths, 2 Specials and Sweepstakes for Best Cock; For several years past "Premier" Partridge Wyandottes have made practically a clean sweep at Madison Square Garden, N. Y., Boston, Chicago, and the greatest shows in America. Write for Circular describing this Wonderful Utility and Beauty Breed.

Sheffield Farm H. B. Hark, Mgr. Poultry Dept. **Glendale, Ohio**

get broody. Some become broody several or many times a season. Plenty of fattening food, little exercise and the nests left full of eggs help to develop broodiness.

Q. (2) How old should chicks be before they roost?

A. (2) It depends upon how rapidly they develop. Usually they will be ready to roost when from 2½ to 3 months old.

Q. (3) What is the best cure for white diarrhoea?

A. (3) Breed only from sound, healthy fowls. White diarrhoea has its beginning in the diseased ovary of the hen that lays the egg used for hatching. The only way to get rid of the disease is to stop using breeding hens that have diseased ovaries. See book, "How to Raise Chicks," obtainable from our Chicago office at 75 cents a copy postpaid.

Good Egg Yield of Large Flocks.

Your editorial in regard to egg records seemed very timely in view of the flood of—well, let us say statistics. Most of them are for a small number of fowls only and where a great record is claimed for a large flock, the conclusion is too often based on the record of a small number of hens taken and multiplied by the total number in the flock.

I thought it might be of interest to you if I sent in some records that have a basis of fact because the daily record of all eggs gathered has been accurately kept. Knowing the men, I have every confidence in the truthfulness of the same. And they have the added value of concerning large units in yarding.

Richardson Bros. of San Gabriel, Cal., placed in one continuous house 1,025 pullets and 25 old hens, making 1,050 in all running in one yard. At the end of the year's laying, from September 1 to September 1, the total number of eggs produced was divided by 1,050 and the result per hen was 166⅔ eggs. You will note there is no allowance for dead hens, but those living made up for those which died.

J. H. Keiffer & Son of Bells, Cal., took 150 early hatched pullets picked from 600, sorting from the flock those moulting late and these 150 running in three yards produced in the next 12 months 201 eggs per hen. You will note this was in some respects the laying of the second year.

In our own experimental work we placed 123 pullets hatched September 2 in one yard. On June 21 these hens had laid 12,319 eggs, or 100 eggs per hen at a little over nine and one-half months of age.

M. A. Schofield.

Gardena Hatchery, Gardena, Cal.

(Note.—We are very glad to have and to publish this report and hope Mr. Schofield will favor us with more information concerning the work with and the yield of large flocks.—Ed.)

Starting a "Fattening Farm."

Q. I am starting what might be called a "fattening farm." My farm consists of a back yard 100x75 feet, with a dozen pens ranged along the northeast fence. These are built against the fence and are 26 inches high in back and 24 inches in front. Have covered all with poultry wire. The back and about half the top are covered with rubberoid roofing. All pens are the same size, 5x5 feet. Are

these properly located and of the right size?

I desire to produce milk fed fryers which I can sell at fancy prices. Please explain the method. Have been told to keep dry mash before them all the time and to feed nothing else but wet mashes, as whole grains would use up too much energy which might be spent in making fat. Is this true?

A great variety of feeds are not obtainable in this town. Here are those I can get and the prices:

Wheat bran	$1.50 per 100 lbs.
Corn	2.00 per 100 lbs.
Cottonseed meal	1.65 per 100 lbs.
Whole oats	1.85 per 100 lbs.
Wheat	2.00 per 100 lbs.
Middlings	1.80 per 100 lbs.
Wheat screenings	1.65 per 100 lbs.
Beef scraps	5.00 per 100 lbs.

Please make me up a good fattening ration. Also give a laying ration for my fowls. All of the fattening stock is bought from range and country grown flocks. Does green cut bone take the place of beef scraps?

A. E. B.

Wixhita Falls, Texas.

A. Not knowing your location and climate we can't say whether your fattening coops are suitable or not. The description does not appeal to us. We would want fattening crates with slat bottoms and set up on legs. Built to be easily movable. Would keep these in an open front shelter that could be sunned easily throughout to keep it clear of fleas and other vermin. Fattening crates are usually made six feet long, sixteen inches wide and twenty inches high; this divided into three compartments by two partitions. Top, bottom and back is slatted lengthways. Front is slatted up and down. Food trough is placed in front. Whole crate sits up on legs at a convenient height. A good ration for milk feeding is to mix 4 parts ground oats (hulls sifted out), 3 parts barley, and one part meat meal. With skim milk make this into wet mash lightly seasoned with salt. Allow the birds water and grit. Feed in trough three times a day the first week. Allow only what they will clean up quickly and then clean the trough. Keep feed trough clean. Feed rather sparingly the first week. Second week feed same, but allow all they will eat twice a day only. Third week give two feedings a day of same mash with a little tallow added. One pound of tallow is enough for 60 chickens. Melt the tallow and make into a paste with meal and add this to the mash mixture. Chickens should be ripe for market in 24 days and should be starved for 36 hours before killing. Crate chickens are popular in some sections, but for our own use we prefer a bird well fatted on a green range. You can crate fat birds on whole grains, with milk given for drink. See article on "Give the Laying Hen a Chance" in December issue for advice on feeding layers.

If you can't get barley, use in its place one part each corn meal, middlings and bran. Don't feed cut bone to fatten stock. Green cut bone if not tainted may be fed your layers in place of more expensive scrap.



56 BREEDS Chickens, Ducks, Geese and Turkeys. Hardy, northern raised, pure bred, of finest plumage. Fowls, eggs and incubators at lowest prices. America's greatest poultry farm. Send 4c for large, fine 19th Annual Catalog and Poultry Book.
R. F. NEUBERT CO., BOX 844, MANKATO, MINN.

The Favorite——LEG BANDS——The Capital



Six sizes

Our bands are strong, durable and made from aluminum; have smooth edges and lock with double clinches, numbered with large **RAISED FIGURES.** Prices: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 65c. ● Always state which kind are wanted and what variety they are for.
CHAS. L. STILES, 233 N. Third St. COLUMBUS, OHIO



(adjustable)

THE WORLD'S BEST WYANDOTTES

SILVER, GOLDEN AND WHITES. We have the finest lot of both old and young birds that we have ever offered, **at bargain prices.** 2,000 head to select from, many grand show cocks. Let me know your wants in anything from utility to the finest show birds. My Wyandottes have won more than 300 premiums at Madison Square Garden, New York, and have been winners at all the large shows of America. I have line bred them for 30 years and you get the benefit of this fine blood when you buy a **Keller** Wyandotte. Also the very finest narrow laced GOLDEN SEBRIGHT BANTAMS. Large circular free.

Brookside Farms, Ira C. Keller, Box 75, Prospect, Ohio

DEMGAR'S S. C. WHITE WYANDOTTES

WIN AND LAY

Now is the time to order **Eggs for Hatching** for your winners for the early Fairs and Shows next season. Our birds have won at four shows this season, viz.: New York State Fair, Dutchess County Fair, Jersey City and Albany—13 firsts, 10 seconds, 7 thirds, 6 fourths, 2 fifths, 8 Specials and Silver Cup. Eggs from our best 6 pens, **$5.00 per setting;** from the other 5 pens at **$3.00.** We also have a few cockerels at **$5.00** and **$10.00 each,** and 2 young pens at **$20.00 a pen.** Correspondence invited.

Mr. and Mrs. P. A. Demgar, Box A, Brown Station, N. Y.

Eakin's White Wyandottes

At Hagerstown Great Fair won first cockerel and special, fourth pullet. At Ohio State Branch Show, 1912, cock 1; cockerel 2-3; pullet 2-4; shape and color specials on males. The quality of this line will please you. Write me your wants and for mating list. Eggs for hatching from selected matings. Satisfaction guaranteed.

F. M. EAKIN BOX A BUCYRUS, OHIO



BUFF ORPINGTONS

At the Great Quincy Show, November, 1913, my Buff Orpingtons won 1st, 2nd and 5th young pen, 2nd old pen, 2nd cock, 2nd cockerel; also color special on female. A lot of grand cockerels and pullets at prices that will more than satisfy my customers.

A. A. ANDERSON -:- MACON, ILLINOIS

Old Forge Poultry Farm

SPRING GROVE, PENN.

Single Comb Buff Orpington

Specialty Breeders

Winners at Allentown, Hagerstown, Pottsville, York, Hanover, Harrisburg, etc.

Place your order early for CHICKS and EGGS from OUR WINNERS. Mating list now ready.

ANOTHER GOVERNMENT CERTIFICATE will be issued to show that our entry of

S. C. BUFF ORPINGTONS

are **again** leaders of their class at the International Egg-Laying contest at Storrs. Improve your flock with cockerels hatched from **certified layers.** Best authorities say you **must** use males bred from high producing hens to get an increase in the egg yield. Hatch them yourself and breed them—we furnish the pedigree.

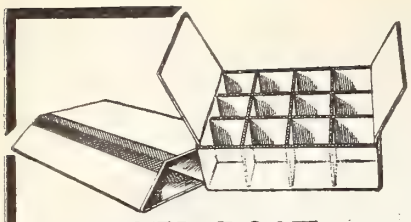
Cherry Lane Farm Company : Box 148, Oak Hill, West Virginia

SMITH'S Single Comb Buff Leghorns

The largest exclusive breeder of Buffs in the world. I have no other breeds and had the grandest winter layers and winners at thirteen of the big shows.

If you want GRAND LAYERS or SHOW BIRDS, write me your wants

F. S. SMITH, Box C and D, Hamilton, Ohio



PARCEL POST
Egg Shipping Boxes

Safely Carry Fancy and Market Eggs at a Saving.

The boxes are made of corrugated paper with double faced corrugated paper partitions. Absolute protection is assured to contents. Weigh less than other methods of packing and carry better.

STOCK SIZES

For Market Eggs	For Fancy Eggs
1 Dozen Capacity	1 Setting
2 " "	2 "
3 " "	50 Eggs
4 " "	
5 " "	

6-10 doz. for local and 1st and 2nd Zone.

Write for Parcel Post Package Leaflet.

THE SEFTON MFG. CO.
1329 W. 35th ST. CHICAGO, ILL.

WE PAY FREIGHT

Write Postal For BROWN'S Bargain Book Of FENCES

Let us *prove* big saving to you on highest quality Poultry and Garden Fencing ever made. Genuine Basic Open Hearth Wire. Heavily *Double* Galvanized by the Brown Special Process, and held together by a tie that *can't* slip. Brown's Fence doesn't rust or break—it doesn't sag or bag. It is always neat and trim. And our prices are even *lower* than *others* ask for cheap, flimsy *netting*. Get our book and see for yourself.

Sample Free Also

Test it any way you like. Brown's Poultry Fence has top wires No. 9½ gauge—intermediate wires in same big proportion. Bottom wires spaced only one inch apart—absolutely chicken tight—rabbit proof. Only one-half the posts needed—no top or bottom railing necessary. Why pay *more* for *other* fence that *can't compare* with *Brown quality*?

Save Big Money By Writing Postal NOW!

You'll be glad you wrote. You'll be surprised at Brown's High Quality and low prices. We sell only *direct from factory, freight prepaid anywhere, satisfaction absolutely guaranteed.* Don't buy a rod of any kind of fence till you read Brown's book. Write postal NOW.



The Brown Fence & Wire Co. Dept. 3
Cleveland, Ohio

DIRECT FROM FACTORY

Silver King, the Wonderful Campine Cock.

There was no entry at the Great Coliseum Show, Chicago, December 12-17, that received more gratuitous advertising than the wonderful Silver Campine cock, Silver King, owned and exhibited by Mr. Frank E. Hering of South Bend, Indiana. This fowl established a record that has probably never been surpassed in any show the size and importance of the last Coliseum show. In 1912 he won the blue ribbon at the Coliseum as the best cock bird exhibited. This year he won the blue ribbon as male in the first old pen of Silver Campines. But another consideration in addition to his individual pre-eminence is the real cause of his fame. Among Mr. Hering's 32 entries were eleven cockerels and pullets sired by Silver King, and of these ten were awarded ribbons. They included first and fourth cockerels, first and second pullets, every bird of the five in the first young pen and the male bird in the second young pen! When one considers that there were 159 Silver Campines exhibited at the Coliseum, probably the largest class in this variety ever shown in the United States, the qualities of Silver King as a sire stand out luminously.



SILVER KING, FIRST PRIZE COCK, CHICAGO, DECEMBER, 1913

This splendid male is the last word in present-day Campine breeding. He has a wonderful eye, a good hackle, splendid station, and the feathers of his back and saddle have the "green sheen" that is at once the despair and the delight of the Campine breeder. In addition he has a tail with sickles that suggest the Leghorn. That he has been able to transmit to his progeny his splendid qualities and markings is shown by the fact that two of his sons—first cockerel and first pen cockerel—are just as fine birds, if not finer, than their father in type and feather markings. Moreover, the first pullet stood out just as prominently as the cockerels, due to her symmetrical barring, her wonderful back and her splendid type. Such poultry artists as Messrs. Sewell, Stahmer and Schilling were enthusiastic in their praise of these birds.

Mr. Hering had eight male birds among the Coliseum Campine winners. In fact, his ribbons numbered more than all his competitors combined. He says that these fowls will be mated for the single purpose of developing his strain along the lines suggested to him by leading poultry judges and poultry artists of the country. Everyone who talked with him at the Coliseum and who examined the various specimens in his exhibit feels certain that he is a valuable acquisition to the ranks of Campine breeders, and that he will be found doing everything that lies in his power to improve his variety.

Among the pleasant features of a talk with him is the remembrance of the frank and cordial credit that he gives to Mr. J. Fred N. Kennedy of Birch Cliff, Ontario, who has served as Mr. Hering's representative in importing Campines from the plant of the Rev. E. Lewis Jones, the great English breeder. It is an evidence of the business courtesy that is coming to exist among our prominent poultrymen to hear Mr. Hering praise Mr. Kennedy for the interest and the manifest good faith shown by him in his business transactions with his star customer. It has done Mr. Kennedy much good; it has made friends for Mr. Hering. Let us have more of such sentiment. It will help the industry.

The "Green Sheen Strain" of Campines are bred on Mr. Hering's plant about one mile west of South Bend, Indiana, where he has as modern an equipment as can be found anywhere in the country. Mr. Harmon Bradshaw, for many years a prominent Leghorn breeder, is manager of the farm. Mr. Leo Brosmer, an authority on color breeding and line breeding, is associated with Mr. Bradshaw. Judging from the interest Mr. Hering has taken in breeding standard poultry during the few years of his activity, and also from his attitude toward competitors and customers, those having business dealings with him will receive the fairest treatment and will be given every consideration within the bounds of reason.

A. P. A. Committee Meeting in Buffalo, November 22.

Forty years after the organization of the American Poultry Association, the special committee appointed at Atlantic City to revise and codify the Constitution met in the city where the association was organized.

Members present: E. B. Thompson, Grant M. Curtis, John H. Robinson, Frank E. Hering, U. R. Fishel and S. T. Campbell. Mr. Reese V. Hicks could not attend and sent recommendations by letter.

The committee worked earnestly and harmoniously for two days and nights.

Mr. John H. Robinson will compile and edit the Constitution. This insures proper construction and perfect diction. The committee will meet again early in March in South Bend, Indiana, to further consider and complete its work. The Constitution as revised will be published in the Bulletin, and presented at the next annual meeting for approval and adoption.

Members of the Association are requested to send the secretary such suggestions or changes for the Constitution as they deem advisable.

S. T. Campbell,
Secretary American Poultry Association, Mansfield, Ohio.

Poultry Notes—1911-1913.

There has recently been issued by the Maine Agricultural Experiment Station a bulletin (No. 216) with the title Poultry Notes 1911-1913. This bulletin is a continuation of the series of bulletins with a similar title which have been issued from time to time in the past. It deals in the main with topics of practical interest and utility to the farmer and poultryman.

The first section of the bulletin discusses the value and preservation of hen manure. Here are given directions for mixing chemicals and absorbents with the fresh poultry manure in such way as best to conserve the fertilizing value of the material, and at the same time put it in the best physical condition for spreading. This is followed by a description with working drawings of a concrete manure shed which has recently been built in connection with the poultry plant at the Maine Station.

In the next section of the bulletin is described a small crematory which has been built in connection with the Station plant to afford a sanitary method of disposing of dead birds and other refuse which is, to a greater or less degree, a menace to the health of the birds on the plant when disposed of in any other way than by burning. The crematory described and pictured, while sufficiently large to take care of the needs of a poultry plant carrying as many as 2,000 birds, is at the same time small enough to be very inexpensive. Next are described some improvements which have been made on the construction of the feed trough used for feeding growing chicks on the range. These improvements are in the direction of saving labor of operation. The next section of the bulletin describes the experience of the Experiment Station in dealing, first, with the natural enemies of poultry, such as hawks, crows, rats, foxes, etc. Following this comes a discussion of the need for and best method of supplying green food to poultry throughout the year.

The final section of the bulletin gives a popular abstract of a piece of technical scientific work carried out in connection with the technical scientific work of the Station. It describes the physiological processes by which the white or albumen of a hen's egg is formed and added to the egg.

A copy of Bulletin 216 will be sent to any resident of Maine upon request to Director Chas. D. Wood, Orono, Maine. To non-residents of Maine the price is 10 cents, which must be sent in coin or other currency. Postage stamps are not accepted.



Whatglen Magnificent Black Minorcas

The World's Largest Minorca Farm. Eggs, $3 and $5 per setting. 50 cockerels for sale, $5 each. We aim to please, and always do.

Whatglen Farm : Frank McGrann, Proprietor : Box A, Lancaster, Pennsylvania



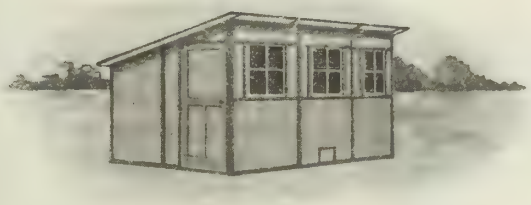
A SURE CURE
For Poultry Diseases of All Kinds
Discovered at Last

SIXEAS GUARANTEED REMEDIES

cure Roup, Canker, Blackhead and Cholera. Remember, I have handled and cured more turkeys and chickens than any living individual and have cleaned up more contaminated poultry premises than any one else. My remedies are easily given in food or water, and are endorsed by leading poultry breeders. These remedies are based upon scientific knowledge and daily practical experience. **THEY CURE WHERE OTHERS FAIL.** My Cholera Cure is unexcelled for cholera or white diarrhoea, Roup Remedy cures canker, colds and roup. Poultry Powder prevents disease and keeps poultry in good condition. **Cholera Cure, 50c; Roup Cure, 50c; Poultry Powders, 25c,** by parcels post. Reliable agts. and dealers wanted.

GEO. SIXEAS, NEWCASTLE, VIRGINIA

Vermin-Proof Poultry Houses



At last the poultry breeders of America can have a "Vermin-Proof Poultry House" — a house that is also rain, storm and fire-proof; neat in design and practical for all poultry-keeping purposes.

This house is made of Plasto Asphalt Lumber—the new fire-proof material—and we guarantee it superior to lumber or any other building material for poultry house construction. Send for **free** sample and our **free** catalogue of poultry houses. Do it to-day.

The Unit Construction Co.
138 No. LaSalle St. Chicago, Ill.

Prevent and Cure ROUP and COLDS

Don't let roup wipe out your birds and your profits. Use

Pratts Roup Remedy

Pills or Powder. 25c, 50c, and $1.00.



It purifies the system and not only prevents but cures roup, colds, fever, catarrh, diphtheria, etc. To insure perfectly healthy strong, husky layers, add to the feed daily

Pratts Poultry Regulator *Packages 25c, 50c, $1.00. 25 lb. pail, $2.50.*

Refuse substitutes; insist on Pratts. Satisfaction Guaranteed or Money Back.

No. 3529 *Get Pratts 160 Page Illustrated Poultry Book.*

Sold by dealers everywhere or Pratt Food Company, Philadelphia, Pa., - Chicago, Ill.

Pacific Coast Department

Conducted by H. H. Collier, Tacoma, Washington.

THERE is in every state some man who has done just a little more for some industry than anyone else. He is a man that will make many sacrifices in order that the industry that interests him succeeds. When a poultryman can be called the leader in any state, you have said something. The man that can create an interest in poultry to the extent that an exhibition is given, better poultry is bred, and more take up the work, then that man is a benefactor to mankind and a great help to the greatest industry in America. Poultry has lifted more mortgages than most any other crop that is grown in the United States. It has brought more happiness than any calling as far as live stock is concerned. There is no industry in which a man can get started so easily as he can in poultry and no industry is so hard to master when it comes to breeding fowls on a large scale.

The subject of our sketch this month is Elmer Dixon of Oregon City, Oregon. A man that is loved all over the coast where fancy poultry is bred. Mr. Dixon has bred poultry all of his life. He was born in Newark, Ohio and was raised near Galesburg, Illinois. He came to Oregon in 1881. His first love in poultry was White Crested Black Polish which he took as a lad at 14 years of age. He bought English Buff Cochins and bred them for years and from that flock bred White Cochins that came as sports from his Buffs that made a name for Mr. Dixon all over the middle west. He introduced White Wyandottes, Black Javas, Sumatra Games and Silver Campines in the state of Oregon. He bred Barred Rocks for years and that variety has always been his favorite fowl. Recently he joined



ELMER DIXON
Pacific Coast Poultry Judge

the Campine herd of poultrymen and he has a fine flock of that variety at this time.

Mr. Dixon judged his first show at Canton, Illinois, before coming west, since that time he has judged in nearly every hamlet in Washington, Oregon, Idaho, British Columbia and California. He has been a favorite judge here in the coast country for years and he has a reputation for being one of the squarest as well as most accurate poultry judges who ever did work on the Pacific Coast.

Mr. Dixon is one of the old time subscribers to the American Poultry Journal. He first became a reader of the American way back in 1877 and he says that he has read it ever since and missed very few numbers. He is now in the list that recently subscribed for three years and he will be on the list as long as he lives if he keeps his present high opinion of the American.

We have worked in many shows with Mr. Dixon. We both had the honor of being licensed by the American poultry association at the same meeting. At the first election under the new constitution of the American poultry association, Mr. Dixon was a candidate for one of the positions on the executive committee but he failed in the election. Since that time he has supported the writer who was elected two years ago.

To mention poultry in Oregon is to think of Elmer Dixon. He is known to everyone who attends poultry shows and when he is around everything always goes as it should, the right bird wins every time.

* * *

When the people of the east start any kind of movement, it slowly comes westward. When the excitement is

Mrs. Carver's Golden Campines won at Chicago 1st Pen, 1st Cock, 2nd Hen



Kellerstrass White Orpingtons

ARE THE BIGGEST PAYERS BECAUSE THEY HAVE PROVEN TO BE

THE BIGGEST WINTER LAYERS

Kellerstrass Strain "Crystal" White Orpingtons

Are the **grandest utility** birds on record today, and as to their **fancy quality** they won first at Madison Square Garden, New York, 1905, 1906, 1908, 1909, 1910; also at Crystal Palace, London, England, and Chicago and Boston. If you need some birds to **improve your stock** or for the **show room** write us. We have them, and **the kind that win** as our past record shows. Stock for sale at all times. Remember, we are the **originators** of **"Crystal"** White Orpingtons, and breed only the one kind. We devote our whole time to this one breed. Eggs for hatching, write for prices. Send for our catalogue.

KELLERSTRASS FARM
ORIGINATOR OF CRYSTAL WHITE ORPINGTONS
9502 WESTPORT ROAD, : KANSAS CITY, MO.

greatest in the east, we of the west are wondering what all the trouble is about. Down in the city of Boston the ladies decided that the hens were cheating them. They decided that they must get even with old lady hen by handing her a boycott, which they proceeded to do. They first discovered that there was a large number of eggs in cold storage so they got busy and bought the bunch and sold them on the market for a much lower price than was then ruling. They did this in spite of the fact that they forced to a certain extent the hard working poultryman to take less for his product. The spirit excited in Boston was soon in existance in Chicago and here we find that the cold storage people got rid of all of their eggs and the poor people were able to taste an egg even if it had in some cases been in cold storage for from six months to two years. The spirit that started this movement was a lucky thing for the poultrymen. These women helped the storage men to unload all of their eggs. They made the price of eggs seem low and as a result hundreds ate eggs in Boston and other cities who felt they could not afford them. With thé emptying of the cold storage plant of eggs, came a slump this spring in the poultry business. The man who had hatching eggs for sale found the spring market so low that he could not find buyers for his hatching eggs. Thinking perhaps that the bottom was out of the pure bred poultry business, he in turn sold his eggs on the market, which had a tendency to help lower the price and then he sold his hens in large quantities, which broke the market as far as poultry meat was concerned. The fellow who failed to buy the hatching eggs and the fellow who had them for sale both failed to hatch many pullets during the season of 1913 and as the cold storage plants bucked hot weather in the middle west this summer, the people found themselves eggless this fall and winter. Prices have soared so high that only a very few could eat them and that poultryman who was lucky enough to have early laying pullets got even with that Boston egg party by making them pay dear for breaking the market last spring and winter.

Our women friends, and we all love them, have taken everything in sight, even to votes in Illinois. Out here in Washington we gave them the votes two years ago and it looked for awhile as if they would take possession of everything before they got through, but they woke up. Now the ladies are going to put the people who breed poultry out of business. If you remember they were going to do the same thing to the beef trust. They boycotted meats of all kinds, but if you will look on your monthly meat bill you will find that in spite of that boycott that meat is higher today than it has ever been in the history of America.

Boycotting is a bad word. A word that is un-American and one that should not be used. Boycotting is a two edged sword and generally hits the party that it is not aimed at. In boycotting eggs, the women have only hurt those who make a living from their hens and not the ones that make profit of handling hen fruit.

If the ladies want to get at the right kind of boycott, one that will bring results, let them promise as the Oregon Hotel men did at their annual meeting. Let the ladies agree that under no condition will they ever serve veal on

CARVER'S CUSTOMERS Won in 25 STATES last season

"BE WISE"—BY BUYING WARREN'S AUTOCRATS—S. C. REDS

Why? Because they have the type, color and size. I can sell you a fine Cockerel for Ten Dollars. I won in 1913: 2nd and 3rd Cockerel, Cleveland; 2nd and 4th Pullet, Indianapolis; 1st Pen, Saskatchewan, Canada; 1st Cock, Elkhart; 1st Cockerel, Rochester; 1st Hen, New Orleans. My egg offer for 1914 is great.

BELL-VISTA FARM -:- -:- MENTOR, OHIO



Poultrymen have confidence in the Globe Incubator because all the value—all the invested money—is put into the machine itself. Send 15c for our valuable descriptive book.

It Is Well Worth While to Consider "the Man Behind"

Before placing your order for an incubator or brooder, it will pay you to get acquainted with the manufacturer. Make sure that you can place your entire confidence in him and his machines. There are too many "dry goods boxes" with cheap tin heating arrangements sold now days for incubators and they are made by people who know very little about the chicken business, artificial incubation and its requirements. They are sold exclusively by "Hurrah advertising" and the manufacturer doesn't care if he ever hears from the customer again.

The Globe Incubators and Brooders

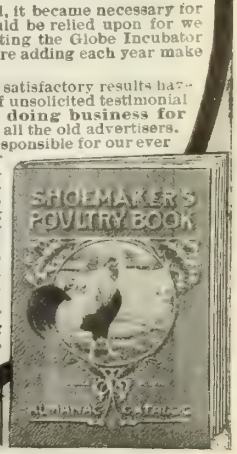
are the best machines on the market and we can prove it.

The most modern machinery and the most skillful workmen that can be found enter into the construction of the Globe Incubator and Brooder, and no machines leave the factory until they pass the most rigid examination, and the great hatches which our customers obtain are the results of our twenty-five years of experience in breeding thoroughbred poultry and making incubators and brooders.

We sell more thoroughbred chickens than any two of the leading advertisers in this country

In order to raise this great number of fowls which we annually sell, it became necessary for us to invent our own machine, one that would do the work and could be relied upon for we had tried all the leading machines manufactured before inventing the Globe Incubator and Brooder. The remarkable improvements which we are adding each year make the Globe the best artificial hatcher on the market today.

WE HAVE SOLD THOUSANDS OF THEM. Such satisfactory results have been obtained from our machines that we have thousands of unsolicited testimonial letters on file open for your inspection. **We have been doing business for over a quarter of a century** and have outlived nearly all the old advertisers. Square dealing and satisfaction to the buyer have been responsible for our ever increasing trade. We want to tell you more about our great factory, our mammoth poultry plant, and our methods of doing business. We have just issued our annual poultry book and guide which has cost us thousands of dollars to produce. It is not a catalog exclusively, but as a text book on poultry breeding in all its branches it is superior to any book issued. It tells about our great poultry farm where we raise and handle thousands of high-grade birds that go to every part of the world each year. But come for yourself and see—we have the goods. Write to any bank or express company in Freeport and they will verify every statement which we have made here. Be sure and send for this book today. Send 15c to cover postage, etc., and if you think that the information on poultry keeping alone, in the book is not worth the money we will cheerfully refund it to you.



C. C. SHOEMAKER

FREEPORT - - ILLINOIS

Don't Forget—The above is the only Incubator manufactured in Freeport, Ill. at the present time.

THE WORLD'S BEST LAYERS

TRAP-NESTED 200 EGG STRAIN



White Rock "Lady Show You"—281 Eggs
R. C. R. I. Red "Lady Hattie"—255 Eggs

STOCK EGGS

BABY CHICKS

THE WORLD'S BEST LAYERS

BARRED ROCK | BUFF ORPINGTON | S. C. R. I. RED



Lady Vera
235 Eggs



Lady May
219 Eggs



Lady Agnes
236 Eggs

Stock, Eggs & Baby Chicks

from profitable layers is your only guarantee for SUCCESS in the poultry business.

Isn't it a serious matter when eggs are selling for 35c to 50c a dozen and your hens are not laying? Ask the man who has failed. Also ask him if he would recommend the breeder he bought his stock from.

I breed for eggs and can furnish you stock that will lay when eggs are high. THAT MEANS YOUR SUCCESS.

PRICES:

Hens with trap-nested records.....each, $7.00 and $12.00
Pullets and Hens from trap-nested hens, each, $4.00 and $5.00
Cocks and Cockerels..... each, $6.00, $10.00 and $15.00
Discounts on Trios, Pens and Flocks.

Eggs 10c, 20c and 30c each. Baby Chicks, 20c, 35c and 50c each.

Book your orders for Eggs and Baby Chicks now.
Write for Sales List. My instructive Catalog is free.

John G. Poorman:

Midlothian Farms and Hatchery

Box 100 : : : : Tinley Park, Illinois

S. C. W. LEGHORN | WHITE ORPINGTON | W. WYANDOTTE



Lady Beatrice
240 Eggs



Lady Grace
232 Eggs



Lady Rose
232 Eggs

their home table until the price of beef is lower. That they will not eat veal in restaurants or hotels and they will soon find that such a sentiment will grow. The calves that are born will be raised and made into steers and cows and these grown up calves will do more to lower the high prices for meat than all the boycotts on eggs that our good lady friends could ever conjure up.

The poultry show season is now on and there never was a year when things looked more prosperous. The high price of eggs has done a lot to stimulate the industry and people are talking of raising hens who never gave old Biddy a thought before. The interest shown this year in the poultry exhibitions has been one to make all the fanfanciers take up a renewed courage. The big Oakland show has done much to revive the faith in California. At the recent show held in that city there was 3,200 entries. Sixteen hundred chickens and the same number of pigeons and pet stock. San Jose pulled off a great show and the interest was larger than for years. The success of the Oakland show might be credited to Charles G. Hinds, their secretary, who is one of the hardest workers for good poultry in California. It is understood that Charlie has quite a bunch of fanciers back of him for the position of superintendent of the Panama-Pacific exposition poultry show that will be held in San Francisco in 1915.

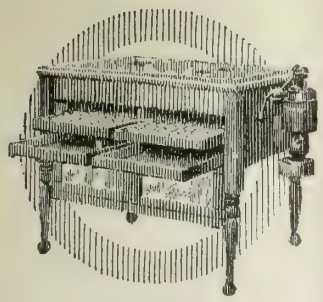
The great show so far held in the Northwest was that at Portland. This was the best attended poultry show ever held anywhere in this section. One department store purchased ten thousand tickets and gave them away to their customers, but this was not the only attendance, as the money taken on the gate was the largest in the history of poultry shows in Portland. There were all kinds of quality in the Portland show. The awards were placed by George D. Holden of Minnesota, W. M. Coats of British Columbia and Oscar Nelson of Idaho. Mr. Holden, who judges many shows in the middle west and here on the coast, said that the quality of birds shown at Portland could have gone most anywhere and been in the winnings.

So far I have judged one show in British Columbia and one in Washington, and I found the interest in a much better condition than it was last season, and I look for a big revival in the poultry industry during the year of 1914. This week I place the awards at Vancouver, Wash. Here I have a show not so large in numbers, but a very good little show in quality. The spirit shown here is along the line of more and better poultry. Everyone seems to be optimistic as to the future of the poultry industry.

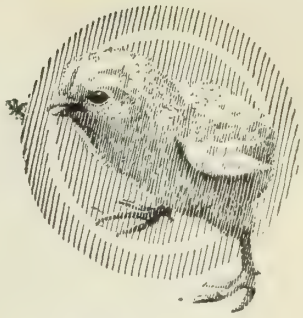
It is always a pleasure to judge in British Columbia. You meet a lot of old-timers from the old country. The Englishman is a good fancier and as a rule a cheerful loser and not a boastful winner. I judged at Vernon, British Columbia, the last week in November. I was surprised to find that many of them were already taking the American Poultry Journal; in fact, the American seemed to be the most popular poultry paper in that section of the country.

WHAT HENS NEED

Feed CRYS-CO, 99% Pure Carbonate of Lime. a petrified shell grit. Hard, sharp and cubical, better than oyster shells, need no other grit, better results, cost 1c per pound. Ask your dealer, write for booklet.
W. A. NEUBITZ & CO., St. Louis, Mo.



Your Grandfather Read It
Your Father Read It
Are YOU Reading It?



The Diary of
A COMMERCIAL HEN

First the breeders, then the egg, then the chicken growing into a hen and laying eggs for market—this is the story of the commercial poultryman's flock. Like a moving picture it will be unfolded to you week by week in this series of articles—always the same flock, till you will almost get to know the birds by name. All the difficulties of breeding, hatching, brooding, rearing and feeding for eggs will be told in words and pictures, and also how these troubles were met. It saves you a weekly visit to the farm of a big, successful egg farmer. The first article will be published in January in *The Country Gentleman.*

THE BIGGEST PROFIT PAYER IN THE COUNTRY

IS THE LITTLE FARM HEN. She turns out a cash crop worth $350,000,000 at the lowest cost. She pays the grocery bill and keeps ready money in the family purse. Better breeding, feed and care will double the poultry income of the average farm. The utility farm fowl is no longer merely an ideal; every farmer may grow it if he will follow the system of Doubling Farm Poultry Profits, which is the subject of a series of articles in *The Country Gentleman.*

THE MAN BEHIND THE FARM

If you had the money and time wouldn't it help your farm if you traveled about the country, looking at the best farms of their kind in the United States? We propose not only to bring the best farms to you, but to bring to you the MEN behind the best farms and let them tell you the secrets of their successes. The Best Farms I Know is a series of articles written by men who do know. This one series is worth more than the $1.50 (less than three cents a week) you pay for *The Country Gentleman.*

"LOOK BEYOND THE END OF YOUR NOSE"

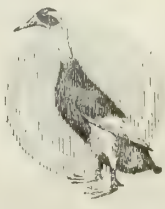
grandfather used to say. A big Florida fruit grower remarked that he had to go to California to learn that he had been wrong for twenty years. So the cattle growers of Montana get hints from Texas; the dairymen learn how to coöperate from the fruit growers. Here's where the national-farm-weekly idea comes in. If you want to get your long-distance lessons in money-making methods without spending carfare, look beyond the end of your nose and get the national-farm-weekly habit; in other words read *The Country Gentleman.*

THE MARKETING END OF THE FARM BUSINESS—
getting the profit—is the keynote of



The COUNTRY GENTLEMAN

The National Farm Weekly



Five Cents the Copy, of all Newsdealers. $1.50 the Year, by Mail.

THE CURTIS PUBLISHING COMPANY, INDEPENDENCE SQUARE, PHILADELPHIA, PA.

Current News of the Poultry World

by J. F. Shureman

Commencing with the first of January, all live poultry shipped in Wisconsin must be confined in coops the tops of which are covered by wire screen with mesh not exceeding one inch square, to prevent the fowls' getting their heads through the tops of the coops.

The Missouri State Poultry Board is planning to establish at least three co-operative egg-marketing associations in Missouri, as an experiment. One will be located in the southern part of the state, one in the central part, and the third in the northern part. It is not the intention to eliminate any of the dealers or commission men who ordinarily would handle the eggs, but to educate the farmers to produce better eggs at less cost, so that they can make their increased profits at home. If the dealers do not have to figure on a 10 or 15 per cent loss from bad eggs, they will gladly increase the price. In the course of time the egg-marketing feature may be added.

Word comes from Switzerland that Madame Paderewski, wife of the famous Polish pianist, and who several years ago paid an American breeder $7,500 for six White Orpingtons, is in love with the poultry business and spends much of her time with her feathered pets. She has more than a bushel of ribbons, won at the leading European shows during the last few years. She has one of the finest poultry farms in the world, in charge of an English poultryman.

Dr. G. W. McCaskey, a nerve specialist in a Fort Wayne (Ind.) hospital, has purchased a 30-acre estate and handsome home on the Biloxi river, near Woolmarket, La., and will establish a poultry farm thereon with his son, G. E. McCaskey, as manager. The doctor expects to spend six months of each year at this farm and the other six months in Fort Wayne.

A disease—declared by some to be limberneck—is playing havoc with the poultry flocks in Southern Indiana. So prevalent has the disease become that the farmers and poultry breeders have appealed to Congressman Lieb for government investigation.

The first high school in Kansas, and possibly the first in the United States, to install a poultry farm in connection with the school, is the Reno County High School at Hutchinson, Kans. An up-to-date poultry plant has been installed, including all the modern apparatus and equipment, on a tract of land of several acres, and a complete course in poultry culture has been added to the curriculum of the school. Prof. L. C. Christie is the instructor.

Joseph Blase, of St. Louis, was a little shy of exhibition birds and the annual show of the St. Louis Poultry, Pigeon and Pet Stock Association was about to be held. Joseph was determined to show some birds, and being a resourceful sort of chap, he went down on Third street in St. Louis and bought a half dozen birds from a commission firm—market poultry that had been shipped in. He entered the birds at the St. Louis show and the judge pinned a blue ribbon on the cockerel from Third street, which was a White Plymouth Rock. Blase paid $1.50 for the bird and before the show closed he refused an offer of $50 for the prize winner.

The third international egg-laying contest began at Missouri State Poultry Experiment Station at Mountain Grove, Mo., on December 1, with more than 1,000 entries, including hens from all parts of the United States, as well



ROSE AND SINGLE COMB REDS

We have won more prizes in the last three years, in the largest shows of the country, than any other exhibitor. This is not hot air but facts and is easily proven. We are in a position to furnish stock for any show, large or small and are offering some bargains for quick sales. If you want to improve your flocks, our blood lines will do it. If you want to win, we can help you. Our beautiful catalog of 64 pages, printed in three colors, contains many articles on raising and caring for poultry. It will be sent for 20 cents in cash or stamps. We are the largest breeders of Rhode Island Reds in the world, and if you are in need of anything, come to headquarters.

BUSCHMANN-PIERCE RED FARMS - - INDIANAPOLIS, INDIANA

OFFICE: 839 State Life Bldg., Indianapolis, Ind. FARMS: Carmel, Ind.



Male Heading 1st Pen. Boston, 1913

WE CAN SEND YOU BIRDS THAT WILL WIN

Rancocas White Leghorns and White Rocks have been invincible at the largest shows this fall.

Write for our winnings and our plan for **guaranteeing** birds to win.

RANCOCAS POULTRY FARMS

Box 510 -:- -:- Browns Mills, N. J.

as a number of foreign countries. The most interesting of the containers in which hens arrived from abroad were those of the New Zealand entries. These hens, weighing twenty pounds, came over in a miniature poultry house weighing 300 pounds.

Among the freak entries at the recent St. Louis poultry show was a trio of birds belonging to C. F. Craig, of Florissant, Mo. The male was a common white rooster, the female was a white guinea, and the chick, the offspring of the above mating, looked like a young turkey, but made the petrack call of the guinea. Craig raised two of these freak chicks, but a dog killed one. Who could blame the dog?

The entries at the recent Crystal Palace show in London exceeded all former records and established a new world's record. The poultry entries numbered 7,525. Orpingtons led with 1,000 entries, Wyandottes being second with 795 entries. There were 250 Rhode Island Reds, 209 Plymouth Rocks, 208 Leghorns, 221 Minorcas, and 140 Campines. There were entries from America, Belgium, France, Germany and Holland, and the prize list reached the high figure of over $25,000.

Frank Munger, the well-known poultryman of DeKalb, Ill., sent a 44-pound turkey to Marvin Hughitt, the Northwestern railroad magnate, for the latter's Thanksgiving dinner. Didn't Frank know that railroad passes are tabooed after January 1?

Purdue University (Indiana) has secured the services of a poultry specialist from the department of poultry at Washington, D. C., to assist in the work at the university. His services are available to all Indiana farmers who may have fowls that have disease or who have other poultry troubles. Diagnosis is free.

What do you know about this? It is reported that the "champion" of the recent St. Louis show was a Rhode Island Red cockerel that the judge cut only two points! The owner is said to have refused an offer of $300 for the bird.

Early in December, Bradley Bros., the well-known poultry breeders of Lee, Mass., made three foreign shipments of poultry within a week—one to Japan, one to Moscow, Russia, and one to British South America.

During the past two years, "Miss Purdue," a White Leghorn owned at Purdue University, Lafayette, Ind., has laid 443 eggs, weighing 41.5 pounds. The hen weighs only three and one-half pounds and in two years has produced nearly twelve times her weight in eggs. It cost $1.93 to feed her for the two years, and the value of her eggs at market price in Lafayette was $10.11. If a fellow had a flock of 1,000 hens like "Miss Purdue"—but what's the use?

Colorado consumes $8,000,000 worth of poultry annually, while only one-half of this amount is raised in the state. It is up to the Colorado poultrymen to get busy.

So valuable does J. J. Klein, of Macon, Ill., consider some of his chickens that he has had them insured. "Julius" says it is a little expensive, but he cannot afford to do without it.

A drove of geese numbering 2,400 was driven into Glasgow, Ky., one day recently, to be shipped to Mansfield, Ill., there to be fattened and shipped to the eastern markets. The geese were driven across the country about forty-five miles, several days being required for the trip.

A bulletin just issued by W. J. Swindlehurst, commissioner of the department of labor and industry of Montana, shows that poultry to the value of $1,500,000 has been imported into Montana during the past twelve months, while 150,000 cases of eggs, 30 dozen to the case, and valued at $1,350,000, have been imported, making a total of $2,850,000 that is sent out of the state annually for poultry products.

New York City receives more live poultry annually than all the rest of the cities in the Union together. A con-

U. R. FISHEL'S AD in this issue will interest you. Read it.

KAUP, QUALITY BUFF ORPINGTONS

YOUR SHOW BIRDS ARE READY NOW TO WIN FOR YOU. Are you ready to send for them to be shipped in the pink of condition, just before your show, prepaid?
My 1913 fully illustrated 36 page catalog is the finest published in Buff Orpingtons and is called the "Buff Orpington Guide Book" because it guides the way to satisfaction and shows why I HAVEN'T A SINGLE DISSATISFIED CUSTOMER IN THE WHOLE WORLD. Does this mean anything to you? My trapnested Buff Orpingtons are the grandest fowl on Earth because they are largest in size, beautiful golden color that always stays clean and lay the most eggs in the Winter.
For exhibition I have that low blocky type, sound even golden color and over standard in weight. Hundreds of cocks, hens, cockerels and pullets for sale in singles, pairs, trios, pens and flocks. The above mentioned Buff Orpington Guide Book tells all. Send for your copy now—you will be delighted with it. Address
F. A. KAUP, the Buff Orpington Specialist. President Chicago Poultry Breeders' Association; Superintendent Great Chicago Show Box K-1, Glen Ellyn, Ills.

WHITE WYANDOTTES
S. C. W. LEGHORNS
AND PEKIN DUCKS
Again we win more prizes than all our competitors combined, Twenty-four specials, thirty-one firsts, twenty-eight seconds, eight silver cups at Rochester Industrial Exposition and Poughkeepsie. Our stock wins for us, let us sell you guaranteed winners. Stock for sale at all times.
Maplewood Poultry Yards H. W. Hayner, Superintendent Attica, New York

NORWICH AUTOMATIC EXERCISERS AND FEEDERS
Are guaranteed rat, rain and sparrow-proof. They will reduce your feed bills 25 per cent; your labor to practically nothing; they will improve the condition of your flock and thus increase the egg production. They will pay for themselves in ninety days in feed alone. Send today for free booklet explaining our thirty days' trial offer. They are for sale by live dealers everywhere, or we will ship direct from Toledo, Ohio. Write now to
River Home Poultry Yards, Breeders Exhibition Quality Light Brahmas, 820 Monroe St., Toledo, O.

YOUNG'S STRAIN S. C. WHITE LEGHORNS
(I HAVE NO OTHER BREEDS)
They are the standard for all the Leghorns over all America, and the greatest layers of all varieties of domestic fowls.
I have hundreds of yearling hens for sale for from $2 per head up, and the grandest lot of Exhibition and breeding cockerels ever bred.
Remember that you cannot win without my strain. Mating list free.
D. W. YOUNG - - - - MONROE, NEW YORK

servative estimate of the total receipts of live poultry for 1913 is 6,000 cars, valued at $16,000,000. The receipts of dressed poultry are several times this amount. The average price for 1913 was 16 cents per pound, live weight.

A movement is on foot to merge the St. Paul and Minneapolis poultry associations under the name of "The Minnesota State Breeders' Association." If the amalgamation is perfected, it will make one of the strongest poultry associations in the country.

The election of officers for the Illinois State Branch of the American Poultry Association resulted as follows: President, D. E. Hale, Chicago; first vice-president, J. A. Leland, Springfield; second vice-president, J. J. Klein, Macon; third vice-president, J. F. Schureman, Geneseo; secretary and treasurer, Theo. S. McCoy, Golconda; executive board: Harry Shutts, Danville; G. H. Woolington, Monticello, and E. M. Whitney, Chicago; finance committee: O. L. McCord, Peoria; J. M. Rapp, LaMoille, and Theo. Bates, Pittsfield. The next annual meeting will be held in Springfield, January 6 to 10.

PROFITABLE POULTRY.

TO obtain an attractive margin between cost and returns without wrong, is the goal of honest business. In other words, to render service for which men who know values are glad to pay a fair price is the high standard of economic ethics.

The production of choice food stuff is demanding the attention of the consumer as well as those who guard the sources of supplies and develop skill necessary to keep pace with the intensly increasing demand.

A careful survey of the field reveals the fact that very great supplies of wholesome food come from skillful handling of poultry, and that the hen is far in advance of all the featherd tribe in her service to mankind. Since the time of the Pharaos and long before, "Biddy" has more or less patiently furnished the rarest bits for the tables of poor and rich with entire impartiality. She lays no better eggs for one than for the other.

Not every family can be the owner of a cow, or even of a pig, but where population is not too dense, wherever the luxury of a back yard maybe enjoyed, a few hens may be kept, and made to contribute liberally to the table supplies, and that of the best, without adding materially to the general expense.

The question arises: What class of hens have proven most profitable? All poultry keepers of experience agree that the cost of raising to maturity for their flesh so nearly reaches the returns that the actual profit is very small. The real point of contention is: What variety will earn most after maturity? For many centuries the Mediterranean have led the bird world in the per capita egg production, small amount of food consumed, and price of product.

One more inquiry. Which of the Mediterranean excels all others? Three points of excellence are demanded: Early maturity, that income may be reached with the least delay; strong constitution that winter rigors shall not materially check the production of eggs when prices are best; eggs of good size and best quality. Each of these requirements are fully met by Anconas. Many of these pullets begin laying at the age of four and one-half months. The winter checks their laying very little, frequently, not at all. Their eggs are large, weigh on an average of thirty ounces, and are of the best quality. These points put this variety far in the lead as a profitable investment.

The original home of the Ancona was in Ancona, Italy. They were introduced into England in the year of 1852, and to America about 1890. The origin of the Ancona is not definitely known. They probably originated from a cross between the black Valdano and the common fowl of Italy. Some believe they were evolved through years of breeding by the pheasants of Ancona.

Their feathers are black with a white tip. The white portion should be clear and distinct. The defective points most common have been white feathers in tail and wings with light under color. By scientific breeding, these objections have been greatly reduced in many of the better flocks. In fact, splendid birds with dark under color, dark wings and tail are becoming quite common at the larger shows. The ideal bird has every fifth feather tipped with white, which makes it a very attractive bird.

The shape of the Ancona resembles that of the Leghorn although they have a distinct type of their own. They are little larger in size. In some sections there is a tendency to breed them too large. It has been the experience of some of the prominent breeders that the medium size Ancona makes the best layer, and since the profit is in the eggs, we prefer not to breed them too heavy.

H. Cecil Sheppard.
Berea, Ohio.

A poultry department has been established at the Ohio State Institution for the Deaf at Columbus, Ohio, and a course of study in poultry culture has been added to the curriculum of the institution. Among other innovations at the plant that is just completed are bubbling drinking fountains for the chickens.

Carver's Red Farms, Seville, Ohio, Win at the Greater Buffalo Show

American Poultry Association

The poultry industry of this country amounts in the aggregate to one billion dollars per annum. These figures paralize the imagination.

The American Poultry Association is the largest live stock organization in the world and its membership is increasing with tremendous rapidity. On its roll are the leading breeders and representative poultrymen of Canada and every state in the union.

Every breeder, fancier, man and woman in the United States and Canada who is interested in poultry of any kind should join this great organization.

The American Standard of Perfection

The Standard of Perfection is the official guide for the breeding, mating and judging of all poultry. It gives a close and detailed description of every breed and variety of chickens, ducks, geese and turkeys, with illustrations from living models. This book is published by the American Poultry Association at an enormous expense and is the American authority. You can not raise poultry successfully without this American Standard of Perfection. Prices postpaid from the publishers of this paper. Cloth binding, $2; leather binding, $2.50. Send all orders to American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.

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American Poultry Association, Mansfield, Ohio



FANCIERS IDEALS NO. 2

Orpington Shape as Seen by the Leading Fanciers and Judges

By LOUIS A. STAHMER

IT has been said that nearly every idea or thought, every action and every invention has been thought of before by someone with the possible exception of problems in higher mathematics, for the reason that the number of thinkers are limited in this particular science. In the poultry business there is no doubt that every cross has been made and every breed been produced before by someone, somewhere. The breeding of fancy poultry goes back hundreds of years, and as it is the natural desire of a fancier to produce an ideal or originate some new variety, this statement can be accepted with reasonable truth. By proper selection fowls of any shape and any color within the limits of the species can be made. If it is true that all the different varieties of poultry have descended from the original Jungle Fowl, then there is no such thing as a different *breed* of poultry—we are merely breeding varieties of the Jungle Fowl.

Poultry is raised, and will continue to be raised, primarily and almost exclusively for eggs and meat, and, by proper selection and scientific mating, the breeder develops his variety along the lines he desires. The Orpingtons, as originated by Wm. Cook, Kent, Orpington, England, possess utility as well as beauty qualities to a greater extent perhaps than any other variety (at least the Orpington breeders say so) and the ever-increasing number bred each year and exhibited at the fairs and shows seems to bear out their statement. The birds shown this year differ greatly in shape from those imported ten or twelve years ago, and the birds as seen nowadays represent distinctly the type that is desired by the American fanciers, and the old "U," or old English, type is but rarely seen now. It is true that there seems to be a greater difference of opinion among judges and breeders regarding standard Orpington type than there is about many other breeds, and to determine the shape that is desired and if possible instruct Orpington breeders and judges, this article has been written.



IDEALIZED COMPOSITE PHOTOGRAPH OF PRIZE WINNING ORPINGTONS

The above illustration shows how the birds appeared on the blueprints that were sent out to one hundred breeders and judges of this variety. They were asked to mark directly on the print with a pencil the changes they desired in order to make them come up to their ideal. Their criticisms were entered on a score card and whenever 10 per cent desired a change in a particular section we complied with their request and the finished illustration on page 4 is the result.

The finished illustration on page 4 of this supplement shows perhaps better the shape that is wanted in this breed than a mere description of same. In our December issue we explained how we obtained our criticisms on the White Rocks and so satisfactory has been the method that we shall use it on all the different breeds in the future. A great many compliments have been received on this drawing and the criticisms did not affect the shape to a great extent, as will be noted by comparing the large illustration with the picture on this page. The criticisms received on the male were as follows: Back longer, 4; back too straight, 1; more space between saddle and hackle, 1; wattles too large, 7; wattles too narrow, 1; comb spikes too sharp and long, 5; beak stronger and more curved, 3; male head (skull) larger, 3; tail lower, 4; tail fuller and larger, 3; tail smaller, 2; carry tail higher, 1; breast too full, 5; make breast fuller, 3; keel larger, 1; keel too large, 2; shanks too short, 11; fluff too small, 4; fluff too large, 4; and two criticisms bordering on the extreme.

The criticisms on the female were as follows: Back shorter, 1; back longer, 2; angle of back too high, 1; more upward angle of back from neck to tail, 1; make head larger, 5; neck too snaky and small, 4; neck too short, 1; neck too large, 1; spread tail more, 1; make tail fuller and larger, 1; carry tail higher, 1; breast too prominent, 6; keel larger, 1; keel too large, 4; shanks too short, 2; right foot is too far forward, 2; show thigh more, 1; fluff too large, 2; body too deep from back to keel, 1; body not deep enough, 2.

We have tried to carry out these criticisms on the finished drawings as near as it is possible, and invite further criticisms from every Orpington fancier in the country.

The American Standard of Perfection recognizes three varieties of Orpingtons, the Buff, Black and White. Other varieties bred are the Blue, Spangled, Columbian, Partridge, Red, and Jubilee. They all have their admirers and there is no doubt that some of these varieties will be admitted sooner or later. The Blue, Partridge, and Columbian especially are really a handsome variety

BUFF ORPINGTONS AS I KNOW THEM

By A. E. MARTZ, ARCADIA, INDIANA

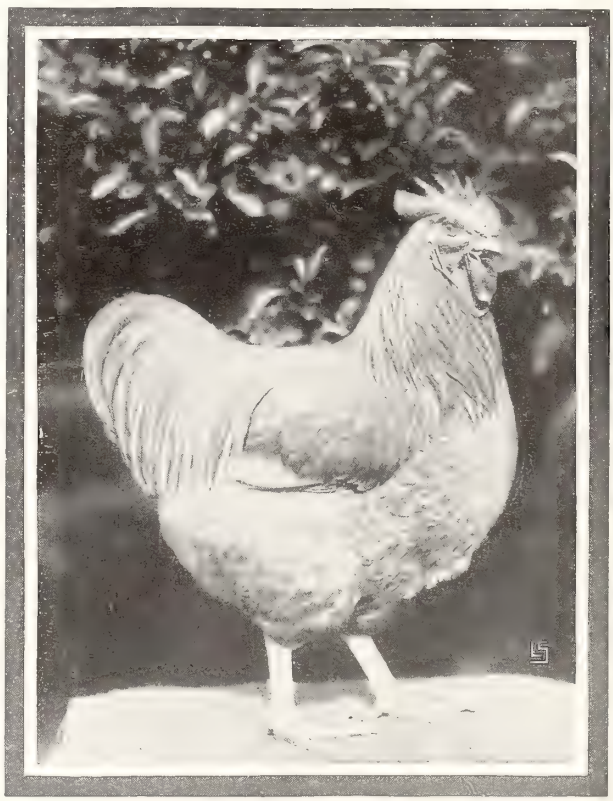
IF I were an artist in coining beautiful phrases, epigrams, double-jointed alliterations and all those figures of speech the trained orator uses as a vehicle of entertainment to display his histrionic art or toy with them like the finished writer to carry the attention of his reader, I would tell a Buff Orpington story that would be a treatise on the variety and a text book for the breed, that would not be revised even for our children's children.

But I have no such power, no olive oil skin to edit or to vaseline the ragged edge of my sentences, but they come to you just as the rough, blunt chips fly from the woodman's axe. I could not mount the lecture platform and by vehement voice, windmill jesticulations, reach into the rarefied ozone of the ethereal region and with one broad swipe produce a cyclone on the moon; then walk calmly to the opposite corner of the stage, recompose and without tip or warning, pierce the sky with my handy left, barely missing Mars in its wondrous flight, snatching the ring from Saturn and tossing it far beyond the realms of the universe. It is a rare gift to be able to do these things, but it will never come to me. A multiplicity of words that rattle and jingle may be entertaining, but not always convincing.

I did not invent or originate Buff Orpingtons; it was enough that some improvement, such as bungalow shape, Italian color and heavy laying, was left to me. Orpingtons ten years ago compared with our 1914 models would be as a sore-eyed kitten to a Bengal tiger, cabbage leaves to the finest perique, a hobby horse to a gallant charger, an Irish buggy to a traction car, Fulton's Clermont to the Imperator—there has been big doin's in this improvement game and the limit has not been reached.

Buff Orpingtons have the quality to supersede all other breeds or varieties as a farmer's fowl when its many sided utility merits are generally known.

Reason No. 1: Its immense size, featherless shanks, vigor, rapid growth and quick maturity.



A crackerjack young Buff Orpington cockerel photographed a year ago this summer. The beautiful type which is already visible in this young specimen is the result of scientific mating and an endorsement of Mr. Martz's skill.

Reason No. 2: Its table qualities—sweet, juicy and more meat than any other bird of given weight. I mean by this—kill a five-pound Buff Orpington pullet, dress and roast it, and you can pick off more ounces of meat than any other breed of equal weight.

Reason No. 3: The best layers, especially in winter, and color that pleases more people than any other shade.

If weight, flavor, quality of meat and plenty of eggs in January do not appeal to the farmer's wife, then I am mistaken and the Buff Orpingtons will not supplant other breeds as the barnyard fowl, but these things do interest her, and all she needs is to be in possession of these facts, give them a trial and the work is accomplished.

If you are not breeding Orpingtons and are satisfied with the variety you have, think there is none better, are having a profitable business in the sale of stock and eggs, and like what you have and think they are the best "what is," my advice would be—make no change, you are doing well enough, but push your variety to the limit by advertising every good quality they possess.

If you are not getting the business you should, inquiries for stock coming in slowly, eggs almost out of demand, advertising bills hard to pay, quit 'em, take up the popular Buff Orpingtons and behold the change—business will pick up, profits increase, and a bird that will give you the widest range for your fancy and the best utility fowl known to the Standard.

I have raised Buff Orpingtons for many years and have discovered quite a few characteristics of the breed. Nothing has been more interesting to me than to mate them properly and watch them develop from the egg to the matured specimen. I have found my method of keeping eggs for hatching to give perfect satisfaction. It may perhaps interest a few of the readers, so here it goes.

Many people have the mistaken notion that an egg saved for hatching must be rolled over every day and kept in a warm place. An egg should never be disturbed after it is gathered from the nest until it goes into the incubator, but that egg must not be over twenty days old to get maximum results in percentage hatched, vigor and stamina to live. If the egg is kept in a dry egg cellar where the temperature remains almost stationary at 50 degrees Fahrenheit, buried little end downward in dry fluffy wheat bran at a sufficient depth that the air chamber only is exposed, you will have a perfect system, all trouble of turning, consequent breakage and danger of addling before incubation, eliminated. The air chamber in every normal egg is at the big end and here we find the shell quite porous. Why not place the egg, then, little end downward in some good non-conductor of heat or cold that every air chamber be exposed to the atmosphere so the embryo chick can get the oxygen it requires through this porous or ventilating part of the shell? This is no roof garden philosophy but actual results obtained by comparative tests with eggs turned daily and set when five, ten, fifteen and twenty days old with nothing in favor of the old side bar plan of rolling and tumbling the eggs.

This is an ideal plan, especially with eggs laid in winter, but your cellar must not be sensitive to outside changes in temperature or artificial heat must be supplied. We have a small gas burner that we put busy if the thermometer threatens to go below forty-five, which soon chases it back to fifty degrees. This is no new feature with us; we have used this plan for years, both winter and summer, and find it a safe and valuable practice when holding eggs for hatching.

In conclusion I wish to say that there is no other variety of fowl whether large or small that will surpass the well-bred and well raised Buff Orpington for egg production from one year's end to the other. You will notice I said well-bred and well raised, because I am positive that the poorly raised and poorly bred specimen of any variety will not pay its owner for one-half of its trouble, and it will not pay to raise birds at all if proper attention cannot be given to them.



There is no more careful breeder in the United States than A. E. Martz, of Arcadia, Ind. In fact, when it comes to breeding and producing Buff Orpingtons by the thousands, of a type that is as near the Standard as this breed has been produced, we believe he stands supreme. His birds are called the "fashion plate" strain, and that they are well worthy of this title the above illustration will bear out his statement and the thousands of birds and eggs sent out to all parts of the world are further proof.- L. A. Stahme.



The above illustration, painted by Louis A. Stahmer, from a composite photograph of prize winners after criticisms of leading judges and Orpington breeders of this country. The picture shows the type that is desired in the ideal and can be accepted as a guide by the amateur as well as the established breeder.



WHITE PLYMOUTH ROCK COCKEREL
HEADING FIRST PRIZE YOUNG PEN CHICAGO, DEC 1913
BRED, OWNED AND SHOWN BY A W HALBACH WATERFORD, WIS

The mere mentioning of first class White Plymouth Rocks brings immediately the name of H. W. Halbach, of Waterford, Wis., in connection with same. There's a reason. He has been at it so long producing "stay white" prize winners that it seems to be second nature with him, and his great winning at the recent Chicago show is merely a repetition of his former successes. The above illustration made from an unretouched photograph of the cockerel heading the first prize young pen shows quality and standard requirements all the way through, and his winning of 1, 2, 3, 4 cock, 1, 2, 3, 4 cockerel, 1, 2, 3, 4 hen, 1, 2, 4 pullet, 1, 2, 3 old pen, 1, 2, 3 young pen stamp Halbach as a breeder "par excellence" of this variety of Plymouth Rocks. L. A. Stahmer.



Unretouched picture of first prize White Orpington pullet at the recent Chicago show. An ideal specimen of the breed, bred and owned by Mrs. J. H. Harnly, Zion City, Ill. L. A. S.



Unretouched picture of second prize Barred Rock pullet at the recent Chicago show. A bird of unusual quality and type. Bred and owned by Luther J. Hall, Kenney, Ill. L. A. S.



H. Cecil Sheppard's, Berea, Ohio, Anconas are rapidly making a name for themselves that entitles them to be classed among the world's best. The above illustration shows the fine type and color that is so much desired in this breed, and of which Mr. Sheppard has undoubtedly the greatest number in this country. His recent winning at the great Cleveland show added to those of Madison Square Garden gives him an enviable string of victories. His catalog is a text book on the breed and is sent free. L. A. S.



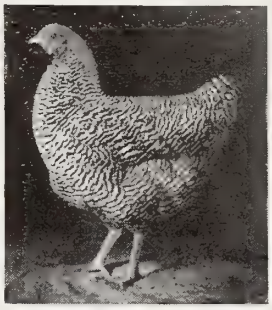
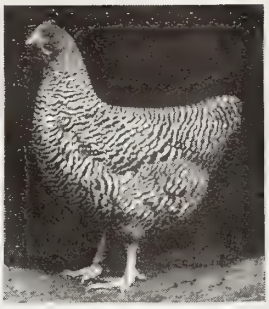
Geo. Rudy, of Mattoon, Ill., and his White Wyandottes are world famous. He has given the name of "Perfection" to his strain. How well it fits his birds can be seen in the above illustration made directly from an absolute untouched photograph of one of his birds selected from his beautiful exhibition of fifty birds at the recent Chicago show where Mr. Rudy's exhibit was the center of attraction. Being a stockholder of the great mid-west show he has not been able to exhibit in competition, but the great record of his cock bird "Perfection" that won 14 firsts at 14 shows and the magnificent show record of "Princess Louise," that wonderful female, will long be remembered. His art catalog is well worth sending for. L. A. Stahmer.






WHITE ROCK HENS

242 EGGS 231 EGGS 227 EGGS 226 EGGS


BARRED ROCK HENS

241 EGGS 230 EGGS 228 EGGS 227 EGGS

J.P.

JOHN G. POORMAN, MIDLOTHIAN FARMS & HATCHERY

TRAPNESTED BRED TO LAY POULTRY

TINLEY PARK ILLINOIS

J.P.






S.C.W. ORPINGTON HENS

241 EGGS 233 EGGS 230 EGGS 227 EGGS






S.C BUFF ORPINGTON HENS

239 EGGS 236 EGGS 224 EGGS 222 EGGS

When it comes to producing eggs in large numbers, they are in a class by themselves. Midlothian Farms make a specialty of trap-nested, bred-to-lay poultry, and the above are only a few of a large number of birds with high egg records. Write for their catalog.

The Great Chicago Coliseum Show

Held December 12-17, 1913—The Best and Most Successful Show Ever Held in Chicago—Attendance Large

By J. C. Johnston and Leo Brosmer

THE 1913 Chicago Poultry Show has passed into history. The Coliseum was thronged with keenly interested spectators day after day. The weather was in a delightful mood, affording a mildness of temperature altogether abnormal in this latitude, and ending the show with a seasonable clearness and crispness.

The unusual support lent by the city press, the phenomenal fall weather, the necessity, profit and pleasure of poultry raising, all united to make the last show one of the most impressive and convincing demonstrations of the magnitude of the poultry industry.

The appreciative patronage of the public and various exhibits of the breeders' art places the last Coliseum show unsurpassed in its average strength by any preceding show. And though a stripling in its five years of existence it is a mature giant in stature and deeds.

Many of the classes were agreeable surprises in quality and quantity. On the whole, the judging was done intelligently, consistently and artistically. The exhibitors are indebted to the officials for their skillful and satisfying service.

International in character, our Northern neighbors were active contenders in the prize list. Creditable prizes will be carried into nearly every section of our country. Leghorns from California, Barred Rocks from Massachusetts and other varieties from the Southland were received by the Central-West exhibitors with emphatically expressed appreciation.

Good fellowship entered materially into the merry hum which arose at the meeting and departure of the poultrymen. Congregated in little groups could be found anxious beginners listening to the entertaining instruction of some of the world's master-molders of animal form. A true helpful spirit seemed to bring these men of repute in close touch to the needs of the less experienced.

When will our great cosmopolitan poultry shows provide practical demonstrations in poultry culture for the urban people? The eye rather than the ear is the organ best adapted for the acquisition of knowledge. Why not show rather than tell how to mix rations for day-old, month-old, and year-old chickens? Demonstrations attract and hold crowds where lectures fail. Demonstrations are easily assimilated by people of ordinary education. Demonstrations are convincing to perplexed poultry raisers, rouse interest in the hearts of the uninitiated and are helpful to all. Demonstrations preach the gospel of better poultry, spread the discoveries of the new aviculture, encourage country living, foster a love of the outdoors, aid in cheaper production and distribution of poultry products.



OVERHEARD AT THE SHOW.

Deacon Hopkins: "Well, I swan, I gave a feller five dollars on the sidewalk in front of the building and he said he would fix it that my rooster got first prize and here he was disqualified and me paying nigh onto 75c for a setting of eggs to a feller that Theo. Hewes, the feller that runs this show, recommended to me."

Zeke the sheriff: "Yes, I believe that guy is crooked. Just go down one of the aisles here and you will find five or six roosters without any tails at all and he give them first prize. He said they were Rumpless."

It is not necessary that the demonstrator need be a craftsman in the use of figurative language and harmonious expression. Clear, honest, direct "small talk" from some exhibitor is far more interesting and convincing than the multiplicity of words that rattle and jingle.

Double-mating, preparation of show birds, use of trap-nests, comparisons of winners and kindred subjects would make good material to interest fanciers. The standard of the Coliseum Show is clearly apprehended and only those equipped for the stoutest competition venture to exhibit. With the addition of practical demonstration in breeding, feeding, etc., little more could be added.

The Coliseum Show is one of the infallible indexes of the poultry breeding industry of America, and the glories of achievement were never more strikingly reflected than at the show just passed into history.

The immense Coliseum was filled to overflowing and the classes were simply teeming with quality all through. The hall was beautifully decorated with palms and evergreens, display pens were artistically arranged in the center of the hall, in which were exhibited some rare quality. Those represented in these displays were Sheffield Farms, Partridge Wyandottes; Wm. Crede, S. C. Anconas; Riverview Farms, Pekin Ducks; Mrs. M. J. Bergstrom, S. C. Rhode Island Reds; Rockandotte Farm, White Rocks and White Wyandottes; Wm. Pickard, S. C. White Leghorns; C. Wilson, R. C. Rhode Island Reds; Mrs. C. Wilson, White Rocks; G. E. Greenwood, Black Orpingtons; H. W. Sturtevant, Black Orpingtons; Studebaker Farms, S. C. White Leghorns; H. A. Pickett, Rose Comb Rhode Island Reds;

Royal Blue Barred Rocks

CHAMPIONS OF THE EAST AND WEST

For 30 years they have produced the winners at New York, Boston, Chicago and the World's Greatest Shows.

At New York, in 1912, they Made a World's Record

Winning six prizes out of eight awarded on Barred Rock cockerels, including **first prize** and **sweepstakes special** for best cockerel in the show, also special prize for best cockerel mated pen.

At the Chicago Coliseum Show, in 1912

In the largest and best class of Barred Rocks ever seen in the West, 400 birds, they won **four first prizes** and the **sweepstakes championship $100 cup** for best display of Barred Rocks.

A Clean Sweep at Chicago in 1913

Winning **six first prizes** and the **grand special sweepstakes prize** for best display of Barred Rocks, also every special prize offered on this variety, 250 birds competing.

2,000 Exhibition and Breeding Birds For Sale

Eggs from the World's Best Matings—1 Setting, $10; 2 Settings, $18; 3 Settings, $25; 100 Eggs, $50.
Large finely illustrated catalogue of the champions free.

A. C. HAWKINS Lock Box 25 LANCASTER, MASS.



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

OWEN FARMS' BIRDS

Have Led for Years

EVERY SHOW in the UNITED STATES, CANADA and ABROAD where they have competed, in the hands of our customers or in our own, has demonstrated their SUPERIORITY beyond question.

THOUSANDS OF FIRST PRIZES have been WON at the most IMPORTANT SHOWS by birds sold by us or hatched from eggs laid by our UNEQUALED MATINGS.

OWEN FARMS'

BUFF ORPINGTONS
WHITE ORPINGTONS
WHITE PLYMOUTH ROCKS
WHITE WYANDOTTES and
S. C. R. I. REDS

have demonstrated their merit in the HOTTEST COMPETITION and met and defeated all comers.

You may win without these blood lines, but, you will find it practically impossible if your competitor meets you with Owen Farms Birds.

AS UTILITY BIRDS

these flocks each year have demonstrated their exceptional merit. Wonderful reports of high average egg yields come in from customers. One customer has reported 262 eggs laid in 290 consecutive days by a pullet bought of us, and many other reports are almost as good.

My flocks have perfect health, size, bone, substance, and bodies with tremendous egg capacity. **Treat them well and they will do the rest.**

1914 MATINGS

of all varieties are the best ever made on Owen Farms. My customers for EGGS FOR HATCHING or BABY CHICKS will receive remarkable value this year, as eggs and baby chicks have never been sold from birds of equal quality at prices approaching those I am making for 1914. Many orders are already booked and EARLY BOOKING INSURES DELIVERY AT EXACT TIME YOU WANT THEM.

EGGS from BEST MATINGS in the WORLD
All varieties.
$10 for 15. $30.00 for 50. $50 for 100.

EGGS from CHOICE MATINGS
better than most sold at higher prices.
$5.00 for 15. $15 for 50. $25 for 100.

BABY CHICKS from these MATINGS
$1.50 each in lots of 20 or more at one time.

BABY CHICKS from these MATINGS
50c each in lots of 20 or more at one time.

Send for my new ILLUSTRATED CATALOGUE and MATING LIST and book your order now.

Superb Show Birds to win the January and February Shows and Grand Breeding Birds mated to produce show or utility stock at absolutely fair prices. State your exact requirements, and if possible what you wish to invest, and receive my prompt quotation.

I want your order, and REMEMBER, your ABSOLUTE SATISFACTION means my PERMANENT SUCCESS.

MAURICE F. DELANO

107 William St., Vineyard Haven, Mass.

MAURICE F. DELANO, Proprietor — FRANK H. DAVEY, Superintendent

A. E. Martz, Buff Orpingtons, and F. E. Harrison, S. C. Rhode Island Reds.

There were 252 entries in the Barred Rock class and quality to satisfy the most ardent admirer. Competition was lively, and when the smoke of battle cleared away it was found that A. C. Hawkins had won most of the awards. His winnings were 1-5 cock, 4 exhibition hen, 1-3 exhibition cockerel, 1-2 pullet bred cocks, 1st exhibition pullet, 2nd exhibition pen and 1st cockerel bred pen. W. D. Holterman won 2nd exhibition cock, 5th exhibition pullet, 5th cockerel bred hen, and 4th cockerel bred pen. Luther J. Hall won 2nd exhibition pullet and 3rd pullet bred pen. John W. Yant succeeded in capturing 4th exhibition cockerel and 4th exhibition pullet, also 3rd exhibition pen, 4th pullet bred pen and 3rd cockerel bred pen. W. H. Goddard took 4th exhibition cock. Arthur Irvine was there with his usual quality, winning 1st exhibition hen, 3rd exhibition pullet. Joe Eiden took 2nd and 3rd premium on exhibition hens. G. Earl Hoover, 5th exhibition hen, 3rd, 4th and 5th pullet bred cocks. F. M. Love won 2nd exhibition cockerel, 3rd and 5th cockerel bred pullets and 5th cockerel bred pen. George Dyson made his usual winning, taking 1st cockerel bred pullet, 5th exhibition cockerel and 4th cockerel bred hen. J. J. Klein exhibited one pen, winning 1st pullet bred pen. R. W. Wales took 3rd exhibition cock, Chas. Reed 1st cockerel bred hen, 1st and 4th exhibition pens. Chas. C. Fritz won 4th pullet bred cockerel. G. A. Walker came in for a share of the winnings, taking 2nd and 5th pullet bred cockerels, 5th exhibition pen and 5th pullet bred pen. Pullens Bros. won 2nd cockerel bred pen.

The White Rock class brought out 138 entries of the best White Rocks ever exhibited in the middle-west. The class was sizzling hot, H. W. Halbach taking the lion's share of the awards, with Peter J. Olle, Maple Farms, William Plant, W. N. Graham and Mrs. Solomon Hering finishing in the order named. H. W. Halbach made a clean sweep of all 1st, 2nd and 3rd premiums on single entries, excepting in the pullet class, when he surrendered 3rd place to W. N. Graham. In pens he won 1st, 2nd, 3rd old pens, also taking the same in the young pens. Peter J. Olle succeeded in winning 5th cock, 5th hen and 5th pullet. Wm. Plant won 5th old and 5th young pens. Maple Farm took 5th old and 4th young pens. Mrs. Solomon Hering took 5th cockerel.

Buff Rocks, though not so large in number, were none the less in quality. Competition was keen, no one being able to claim any decided advantage in the awards. Carl H. Spaeth won 5th cock and 2nd hen. Marion H. Culver was an easy winner of 1st cock. Frank C. Cole was there with some quality, taking 3rd hen, 4th cockerel, 1st pullet and 1st young pen. Casper Moore & Son were strong in line, winning 3rd cock, 3rd cockerel, 2nd pullet, 1st old pen and 3rd young pen. Arthur Buening was awarded 2nd cock, 1st cockerel, 3rd pullet and 2nd young pen. Carl Michener won 4th cock, 1st hen. F. C. Shepherd captured 4th and 5th premiums on hens. G. S. Nye, 5th cockerel, Kellogg & Kellogg, 2nd cockerel, 5th pullet. T. J. Perin, 4th pullet, and R. W. Ward, 2nd old pen.

Partridge Plymouth Rocks were a quality class, with about 100 entries of as good quality as was ever exhibited under one roof. Bird Bros. exhibited a splendid line of this variety, winning a very large majority of the awards. Geo. W. Hacket also came in for a share of the ribbons, as did Walter C. Renaker, Roy C. Church and Peter J. Olle. Bird Brothers winnings were 1st, 2nd, 3rd, 4th and 5th cock; 1st, 2nd, 5th hen; 1st, 2nd, 3rd cockerel; 1st, 2nd, 3rd, 4th, 5th pullet; 1st old pen, and 1st young pen. Geo. W. Hackett won 3rd, 4th hen. Walter E. Renaker, 5th cockerel. Roy C. Church, 4th cockerel. Peter J. Olle, 2nd old pen.

In the Columbian Rocks the awards were well divided, no exhibitor being left out of the list. James H. Taylor won 1st cock, 1st, 2nd hen, 2nd, 3rd cockerel, 1st, 2nd pullet, and 1st young pen. Percy C. Meller took 2nd cock, 3rd hen. G. W. Garlock, 1st, 4th and 5th cockerel, 5th pullet. C. R. Deardorff, 1st cockerel, 3rd, 4th pullet.

Silver Wyandottes were well represented, lots of quality showing all down the line. Honors were well divided and exhibitors well satisfied. Wm. M. Swaggart was successful in winning 5th cock, 2nd hen, 2nd cockerel and 5th pullet. C. P. McAndrew took 1st cock, 3rd hen. Clare E. Hoffman took a little more than his allotment of the awards, winning 2nd and 4th cock, 1st, 4th hen, 1st, 3rd cockerel, 1st, 4th pullet, and 1st young pen. Van Winkle & Son won 3rd cock, 5th hen, 5th cockerel, 3rd pullet and 2nd young pen. Aldro Jenks took 4th place in the cockerel class, also 4th young pen. G. B. Stanwood won 3rd young pen.

Golden Wyandottes were a beauty class, many birds showing wonderful type and color being exhibited. Cocks and cockerels were exceptionally good. Julius Sinn came near making a clean sweep of all first premiums, winning 1st cock, 1st

Halbach's White Rocks

Never in the history of Poultry Exhibitions has any strain made such wonderful wins. They hold the world's record by capturing best **Display** at **Chicago** five times. At the

Great Mid-West Coliseum Show, Chicago, Ill.

America's Greatest Exhibition



Unretouched
First Springfield Cockerel

in a class of 140 White Rocks—the best ever got together, they made the marvelous winning of

1-2-3-4 Cock (4 entered)
1-2-3-4 Cockerel (4 entered)
1-2-3-4 Hen (4 entered)
1-2-4 Pullet (4 entered)
1-2-3 Old Pen (3 entered)
1-2-3 Young Pen (3 entered)

45 out of 46 birds placed in winning. A grand total of 153 points out of a possible 157.

This is an astonishing win but not as astonishing as the undreamed of quality of the birds that made the winning. It was a revelation in perfection of type, pureness of plumage and was the wonderment of all.

Hundreds of show birds that will win, at $25.00 to $100.00 each. Breeding pens perfectly mated and from these winners, at $25.00 to $75.00. Get started with this quality. Utility females, $2.00 each. No matter what you want I have it. Send your order.

Place your order today for eggs from my unapproached matings, at $15.00 per setting. Utility eggs $10.00 per 100. Catalogue 10 cents. Mating list free. Mention American Poultry Journal.

H. W. HALBACH R. R. 1 WATERFORD, WIS.

cockerel, 1st pullet, 1st young pen and 4th hen. Simmons Bros. won 3rd cock, 2nd cockerel. J. H. McDanell, 5th hen, 3rd cockerel, 2nd pullet and 2nd young pen. Newton Neusbaum, 5th cock, 1st hen. W. J. Jenck took 4th cock, 2nd, 3rd hen, 5th cockerel, 3rd and 5th pullet. J. S. Pennington, 2nd cock, and J. A. Gates, 4th pullet.

White Wyandottes were strong, both in quality and numbers, being one of the largest classes of the show. Cocks were exceptionally good, 31 being entered in the class, A. J. Smith winning 1st, J. D. Strasburger 2nd and 4th, W. S. Cobb 3rd and Geo. C. Madison 5th. Other awards were: A. J. Smith, 1st hen, 2nd old pen. J. F. Strasburger, 4th and 5th cockerel, 4th pullet, 1st old pen and 2nd young pen. Mrs. W. A. Wright, 3rd hen, 2nd cockerel. F. M. Eakin, 4th hen, 1st pullet, Arthur Riggs, 5th hen, 4th old pen.

4th cockerel, and Ewing J. Eldridge, 1st old pen.

Columbian Wyandottes were out in goodly numbers and showed decided improvement in quality over those exhibited in former years. A. L. Foss captured two blues, winning 1st cock and 1st cockerel. O. H. Miller won 2nd cock. Richard Sawyer took 3rd, 4th and 5th cock, 1st and 4th hen, 2nd, 4th and 5th cockerel and 1st young pen. Carl Jacobs succeeded in taking 2nd place on hen. T. J. Cavanagh won 5th hen, 1st, 3rd and 4th pullet. Leo A. Lee took 3rd cockerel and 2nd pullet, Jerome Leland 3rd hen and 1st old pen.

The Single Comb Rhode Island Red class was the class of the show, with 270 entries and quality to burn. As usual, the excitement was at fever heat and many pulses were beating far above normal. The principal competition was between Fred E. Harrison and B. H. Scranton, the honors breaking in favor of the former. The awards were: F. E. Harrison, 1st and 4th cock, 2nd and 5th hen, 1st and 5th cockerel, 1st, 2nd, 3rd, 4th pullet, 1st, 3rd, 4th old pen, and 1st and 5th young pen. B. H. Scranton, 2nd, 3rd cock, 1st, 3rd hen, 2nd, 3rd, 4th cockerel, 2nd, 5th old pen, 4th young pen. Wm. Etzensperger, 5th cock, 4th hen. J. P. Olle, 5th pullet. E. W. Mahood, 2nd, 3rd young pen. The cockerels were the strongest class, both in numbers and quality, there being 101 of them in the line and of quality equal to, if not better than, any exhibit ever cooped in America. Pullets were second with 40 entries, all of superb quality. The exhibit as a whole did honor to the Red breeders who have been most loyal in their support of the Chicago Show.

Rose Comb Reds, though not as large in numbers as the Single Comb, were not lacking in quality—in fact, theirs was one of the "hottest" contested classes of the entire show, the awards being pretty evenly divided, the fight for honors making a beautiful sight to one looking on from the "outside." Longfield Poultry Farm won 1st cock, 1st, 2nd hen, 5th pullet, 1st old pen and 3rd young pen. H. A. Robinson took 2nd cock, 4th pullet and 4th young pen. W. L. McMillan, 3rd cock, 2nd hen, 1st pullet. James M. Hopkins won 5th cock, 5th young pen, 5th cockerel. H. E. Simons, 4th cock. Carvers Red Farm, 4th hen. J. H. Carpenter, 5th hen. A. D. Berg, 2nd, 4th cockerel, 2nd, 3rd pullet. C. R. Watson, 1st, 3rd cockerel, 2nd old pen, 2nd young pen. Wm. Etzensperger, 3rd old pen. The Jack Poultry Farm, 1st young pen.

In Buckeyes, Eaton C. Mahon won 1st cock, 1st, 3rd, 4th, 5th pullet, 1st old pen. Fred B. Harris, 2nd cock, 1st hen, 1st cockerel, 2nd pullet. H. W. & M. B. Deem, 2nd hen.



E. B. THOMPSON, HIS TWO SONS AND HIS NEPHEW.

Reading from left to right. John R. Thompson, Walter Thompson, Valentine Thompson and E. B. Thompson, president of the American Poultry Association and originator and breeder of the "Ringlet" Barred Rocks.

R. K. Buler, 5th pullet. L. L. Potter & Son, 5th old pen. The Jack Poultry Farm took 3rd young pen and J. H. Jackson 4th young pen.

Buff Wyandottes were small in numbers, but rich in quality. F. L. Waterman and son made a clean sweep of all awards excepting 4th and 5th cock, which went to W. J. Hoebel.

Partridge Wyandottes were a fine class and a revelation in Partridge type and color. Competition was brisk with many of the awards going to Dr. Chas. M. Baskerville, who won 1st, 2nd cock, 2nd, 3rd hen, 1st pullet and 1st young pen. W. H. Millard took 3rd cock, 1st cockerel. A. J. Ehresman, 5th cock. J. P. McIntire, 4th cock, 2nd cockerel. M. J. O'Connor, 1st hen, 3rd pullet, 2nd young pen. R. S. Jackson, 5th hen, 2nd old pen. A. E. Johnson, 4th hen. Frank Jenck, 3rd,

The Light Brahma class was well filled and reminded one of by-gone days to see this grand old breed so well represented. Some grand specimens were in this class, which attracted much attention and comment from old-time breeders. From the display of Brahmas at this show, one would naturally infer that this is not a breed of the past, but very much in evidence at the present day. The awards were Wm. T. House & Son, 1st, 4th, 5th cock, 1st, 3rd, 5th pen, 5th cockerel, 5th pullet. Roy C. Beck, 2nd cock, 4th hen, 2nd, 3rd cockerel, 1st, 3rd pullet. Geo. W. Koos won 2nd hen, 4th cockerel, 2nd, 4th pullet, 1st young pen. Spencer Carpenter won 3rd cock. A. B. Prescott, 1st

cockerel, and E. J. Barker, 1st old pen, 2nd young pen.

The Stately Black Langshans were out in large numbers, arrayed in their greenish black plumage; with their lordly type they made a grand display, a pleasing sight to the many admirers of this magnificent breed. Competition was keen, M. S. Barker winning 1st, 2nd, 3rd, 4th cock; 1st, 4th hen; 1st, 2nd, 5th cockerel; 1st, 3rd pullet; 1st, 3rd old pen; 1st, 2nd young pen. Frank Boyd took 2nd hen, 3rd cockerel, 2nd pullet. L. E. Meyer, 5th cock, 5th old pen. Hewes Farms won 3rd, 5th hen, 4th pullet, 3rd young pen, 4th old pen. Norman B. Wood, 4th cockerel. John A. Rhodes, 5th pullet. John F. Jones, 2nd old pen. E. D. Monilaw, 4th young pen, and Margaret C. Daly, 5th young pen.

The Brown Leghorns, always a favorite class at the Chicago Show, held their own and gained a few points both in quantity and quality at this one. In the Single-Comb Exhibition class Williams Bros. & Brace won 1st, 2d, 5th exhibition cock; 1st, 3d exhibition cockerel; 2d, 5th exhibition pullet; 1st and 3d exhibition pen. Wm. S. Damhorst won 3d exhibition cock. F. H. Farrant, 4th exhibition cock; 3d exhibition pullet. W. G. Warnock, 2d exhibition hen, 2d pullet bred pen; 4th exhibition pen. Dr. C. Schmitt, 1st exhibition hen; 5th cockerel bred pen. Herbert Moeller won 3d, 5th exhibition hen. Thos. H. Wood, 2d exhibition cockerel. Geo. L. Hornbrook, 5th exhibition cockerel. F. W. Miller, 4th exhibition cockerel. H. V. Tormohlen, 1st exhibition pullet; 2d exhibition pen; 3d cockerel bred pen. A. F. Lehman, 4th exhibition pullet. Rosemont Farms, 2d exhibition pen. E. L. Green, 1st cockerel bred pen; 1st pullet bred pen. Moore & Moore, 4th cockerel bred pen. In the Single-Comb

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Are the Greatest Achievement in Modern Poultry Breeding

THEY ARE THE PRODUCT OF OVER THIRTY YEARS OF SKILL



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Early Winning Show Birds

I now offer the finest very early hatched exhibition birds that I have ever produced—grand size and shape, fine heads, even clear blue color, and narrow clean-cut vivid barring to the skin. They are matchless and ready to win prizes for you in any competition in the world. The prices are very reasonable. **You can enjoy the great pleasure of winning silver cups and prizes if you have my birds.**

My Imperial "Ringlet" Barred Rocks Have Demonstrated to All the World a Distinctive Superiority

THEY STAND WITHOUT A RIVAL AS THE LEADING 1st PRIZE WINNERS AT AMERICA'S IMPERIAL SHOW, MADISON SQUARE GARDEN, NEW YORK

A Great Light on the Subject of New York Records

The "Ringlets" exhibited by me personally, have won at New York a grand total of 29 first prizes—this is more than double the number ever won by any competitor—no other Barred Rock breeder in the world has ever won more than 13 first prizes in the entire history of the New York show—mark the difference—these figures are as remarkable as they are conclusive—they inform the public who have hitherto been confused by conflicting claims.

They Mean Something—They Sweep Away at One Stroke All Doubts and Settle the Question of the World's Leadership. Furthermore, these 29 first prizes do not include the firsts won at New York by my customers on birds I sold—remember that.

My "Ringlets" have won first prize on exhibition pens at Madison Square Garden 8 times, no competitor has ever won first but 4 times. I have won both first and second prizes on pens 6 times and no competitor but 3 times.

My "Ringlets" have won at New York 11 first prizes on single cockerels and cocks—including first prize and champion cockerel and first cock at the 1910-11 show, first prize cockerel and champion male at the 1913 show—almost as many first prizes on males alone as any other Barred breeder has ever won on anything. I am the only living Barred Rock breeder who has ever won all the regular prizes on pullets at a single New York show, viz: **1st, 2d, 3d, 4th, 5th and the only breeder who has ever won 1st prize cockerel and champion male and 1st prize pullet and champion female at one and the same show at Madison Square Garden.**

My "Ringlets" have won every Silver Cup and Trophy that has ever been offered at Madison Square Garden to be won three times. In short every trophy on Barred Rocks that has ever been offered and won three times has been finally won by me and is now my absolute property. **Among them are the $100 Challenge Trophy and the $100 Association Cups.**

These winnings tell more of the sterling qualities of the Imperial Ringlets than volumes I might write—They tell what the New York Show says.

The "Ringlet" record for 1913 at the Madison Square Garden, New York Show, is the most wonderful ever made by any Barred Rock breeder since the New York Show was founded. (See ad on back page for this remarkable record.)

The best is none too good for my customers and if you want to show you will find that judges appreciate the wondrous beauty and sharp "Ringlet" barring of my Barred Rocks. Prices are reasonable and thousands of birds to select from.

Elegant breeding cockerels, trios and pens of this greatest New York prize blood for sale, and mated to produce winners if desired. Richly illustrated 70 page catalogue upon application; it is full of pictures of New York winners from life. Address

SEE MY OTHER AD. ON BACK COVER PAGE

E. B. Thompson

Lock Box 510

Amenia, New York

pullet bred class Moore & Moore, 3d cock. F. H. Farrant, 1st cock; 1st, 5th cockerel. A. J. Humphrey, 2d cock; 4th cockerel. Williams Bros. & Brace, 2d cockerel. In the Single-Comb cockerel bred class Moore & Moore won 1st hen; 2d pullet. W. G. Warnock, 2d hen; 1st pullet. H. V. Tormohlen, 3d hen; 4th pullet. E. L. Green, 3d pullet.

In the Rose-Comb Brown Leghorn Exhibition class R. C. & R. L. Conolly won 1st, 3d cock; 2d hen; 1st, 2d, 5th cockerel; 2d pen. W. O. Chase, 2d cock; 3d cockerel; 4th pullet; 3d, 4th pen. Wm. Hipkiss, 4th cock; 3d hen; 5th pullet. Albert Yoder, 5th cock. Ed. Roth, 4th cockerel. In the cockerel bred class R. C. & R. L. Conolly won 3d, 4th hen; 1st, 2d pullet; 1st, 2d pen. W. O. Chase, 1st hen; 3d pen. Albert Yoder, 2d hen. In pullet bred class R. C. & R. L. Conolly won 1st cock; 5th cockerel; 2d pen. W. H. C. Chambre, 1st, 3d cockerels; 1st pen. W. O. Chase, 2d, 4th cockerels; 3d pen.

In Single-Comb White Leghorn alley the fever is always high—this time it surpassed all records. The class was unusually large, the quality all that could be desired, and competition was at scrapping point all the time. Flander's White Leghorn Farms carried off most of the honors, winning 1st, 3d, 4th, 5th cock; 1st, 3d hen; 1st, 3d, 4th cockerel; 1st old pen; 1st young pen. Harry A. Muntz won 2d cock; 5th hen; 2d cockerel; 4th pullet. Eugene C. Smith took 2d hen; 3d pullet. Pabst Stock Farm, 4th hen; 1st pullet. N. P. Easling, 5th cockerel; 2d old pen. G. J. Garber, 2d pullet; 4th old pen; 2d young pen. The Willows Farms, 3d old pen; 4th young pen. Fred W. Zipf, 3d young pen.

In Rose-Comb White Leghorns, Morgan Bros. won 2d, 4th cock; 3d, 4th, 5th hen; 4th, 5th cockerel; 4th pullet; 1st old pen. Geo. A. Rigler, 1st cock; 1st, 2d hen; 1st, 2d, 3d cockerel; 1st, 2d, 3d pullet. L. G. Householder won 5th pullet.

In Single-Comb Buff Leghorns, Dr. E. S. Landis won 1st cock; 3d cockerel. J. R. Eriser, 2d cock; 3d, 4th hen; 4th cockerel; 1st, 3d pullet. Leo A. Munger, 1st hen; 5th pullet; 5th young pen. O. C. Wright, 2d hen; 5th cockerel; 2d, 4th pullet; 1st old pen; 4th young pen. James Sylvester, 1st, 2d cockerel; 5th hen; 2d young pen. H. Lester Farnum, 1st young pen. Joseph Burrows, 3d young pen.

In the Rose-Comb Buff Leghorn class the following awards were made: Geo. F. Hoffman, 1st cock; 2d hen; 4th cockerel; 1st pullet. Frank L. Morris, 3d, 4th cock; 1st, 3d hen; 2d, 3d pullet. Wm. J. Coleman, 2d cock. Anton Kakuska, 4th cock; 5th cockerel. H. B. Green, 1st cockerel; 5th pullet.

Single-Comb Black Minorcas were a class showing lots of quality; the awards went as follows: A. Didriksen, 1st, 3d cock; 1st, 3d, 4th hen; 4th cockerel; 1st, 2d, 3d pullet; 1st old pen; 2d young pen. Fred C. Gabriel, 5th cock; 2d hen; 5th cockerel. E. D. Geiger, 2d cock; 5th hen; 4th pullet. A. A. Hartman, 1st cockerel; 2d old pen. E. S. Halsinger, 3d cockerel. Sterling E. Boyer, 2d cockerel; 5th pullet. J. H. Smith, 1st young pen; 3d old pen. W. O. Chase, 4th, 5th old pen.

Rose-Comb Black Minorcas also had plenty of quality and no lack of admirers and the awards were well distributed. Ross Swartout won 1st, 4th cock; 1st, 4th hen; 2d, 3d cockerel; 2d, 4th pullet; 1st old pen; 1st young pen. J. S. Bales, 2d cock; 5th cockerel; 3d pullet. W. O. Chase, 3d cock; 3d, 5th hen; 2d, 3d old pen. H. A. Keister, 5th cock; 2d hen; 1st cockerel; 1st pullet. O. C. Steingrabar won 4th cockerel; 5th pullet.

Single-Comb White Minorcas—Black Point Poultry Yards, 1st, 2d cock; 1st, 3d, 4th hen; 1st, 2d, 4th, 5th cockerel; 1st, 3d, 4th pullet; 1st young pen. H. C. Meiselbach, 3d cock; 5th hen; 5th pullet; 4th young pen. Thomas Brogden, 2d hen; 3d cockerel; 2d pullet; 2d young pen. Mrs. I. J. Lorton, 3d young pen.

Rose Comb White Minorcas. Thomas Brogden, 1st, 3d cock; 1st, 2d hen; 2d, 3d cockerel, 1st, 2d pullet. Ralph Roudebush, 2d cock, 3d, 4th hen; 4th, 5th pullet; 1st young pen. H. C. Meiselbach, 5th hen. H. H. Ruth, 1st cockerel, 3d pullet.

White Faced Black Spanish, all awards to R. A. Rowan.

Blue Andalusians, L. C. Taylor, 1st, 3d cock; 1st, 3d hen; 2d cockerel; 1st, 2d pullet; 2d old pen. Joe Plank, 2d cock. Mrs. L. C. Boggs, 2d hen; 1st cockerel; 3d pullet; 1st old pen; 2d young pen. Mrs. S. H. Brooks, 4th, 5th hen. Peck I. Demlow, 1st young pen.

Single Comb Anconas, Cora B. Garbut, 1st cock, 1st hen, 1st pullet. Geo. Blencoe, 2d cock; 3d hen. Wm. Crede, 4th hen; 2d cockerel. P. L. Rigg, 2d hen, 1st, 4th cockerel; 3d pullet. Waveland Poultry Yards, 3d cockerel, 5th pullet. J. P. Gilbert, 5th cockerel. H. N. Clarke 2d pullet. Chas Hurlburt, 4th pullet.

Rose Comb Anconas, J. P. Gilbert, 2d cockerel. Mark Lewis, 1st cockerel, 2d pullet. E. J. Boundage, 1st, 3d pullet.

Buff Orpingtons were a strong class, plenty of competition and quality to

Above All—The Henderson Strain

AMERICA'S FOREMOST

Barred Plym. Rocks for Exhibition and Utility

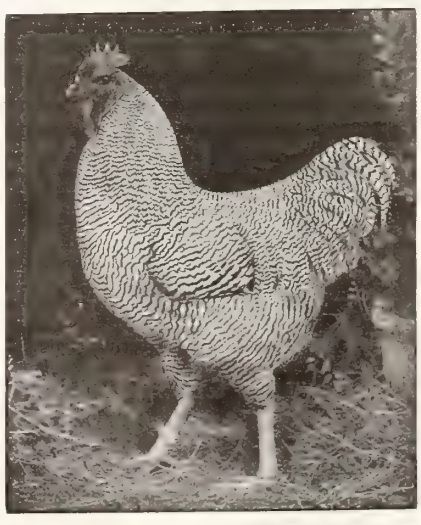
Madison Square Garden, New York, Chicago and St. Louis Winners

This grand strain is large framed, with wonderful type, has long, deep bodies, broad backs, well spread tails carried low, and that snappy distinct barring to the skin, that wins in the best of competition.

My first prize cockerel and grand champion male at Chicago 1912 in a class of 54 of the best in the world proves that my strain carries the maximum of quality in Barred Rocks today. His type and barring created a sensation among Barred Rock breeders of the world. A number of his wonderful sons will head my 1914 breeding pens.

When you start to make up your breeding pens this year and find that deficiency which you desire to overcome, **remember that I have the strongest lines of breeding Barred Rocks in America**, and can furnish males and females with the quality desired to balance the pen and improve the progeny.

My **Barred Rocks** have won consistently at all the large national shows for the last 20 years in all competition as a result of being line bred and pedigreed. Compare my winnings with those of any other breeder and form your own conclusion as to who has the best producing strain.



First Prize Pullet Bred Cockerel, Coliseum, St. Louis, 1913

For the season of 1914 I will mate 50 breeding pens in both my **Cockerel** and **Pullet lines**, from which I will furnish eggs for hatching at prices quoted in my mating list and catalog which describes each individual specimen that I will have in breeding. These pens will contain my Madison Square Garden, N. Y., Chicago and St. Louis winners and their descendants. The inherent characteristic quality as bred in the **Henderson Strain** both in the Cockerel and Pullet lines, and demonstrated by their public record in the best show rooms in America, enables me to mate for the season of 1914 the strongest breeding pens of **Barred Rocks** in the world.

Write for my new Catalog-Mating-List which minutely describes these pens and **the largest exclusive Barred Rock farm in the world.**

SATISFACTION GUARANTEED

W. W. HENDERSON, BRIDGETON, ST. LOUIS COUNTY, MISSOURI

The Mighty Power of Oxygen



YES! THAT'S THE
Ajax Improved Oxygen Vitalizer

"That's the device that puts an END to "dead in the shell" chicks, and White Diarrhoea.
That's the device that brings you a chick from EVERY hatchable egg.
That's the device that will put a MILLION DOLLARS in the pockets of American Poultrymen THIS year if they USE it.

HOW?

Simply by supplying OXYGEN to the egg chamber of the incubator.
You have heard of coal miners being caught in a "gas pocket", and how they are brought to the surface nearer dead than alive from gas poisoning?
The ONE and ONLY thing that brings them back to LIFE is OXYGEN.
That's all there is to the "dead in the shell" chicks. They are killed by Carbon Dioxide Gas Poisoning.

SUPPLIES OXYGEN

The Ajax Improved Oxygen Vitalizer supplies OXYGEN to the egg chamber in just the right amount, and 99½% PURE, so that EVERY hatchable egg produces its CHICK, just as Nature intended.
Yes, I've USED it, and I KNOW. Don't take off a single hatch without it, BECAUSE it MORE than pays for itself EVERY TIME it is used."

DR. J. OREN BEARSTLER,
Pres. of the Pottsville, Pa. Poultry Asso.

These are Dr. Bearstler's words, NOT OURS. His name stands for integrity and ability with the poultry world. What he says OUGHT to make you THINK.

Tried, Tested and Proven

The Oxygen Vitalizer is a tried, tested and PROVEN NECESSITY. It's sold under an OFFICIALLY SIGNED money-back Guarantee that it WILL DO all that Dr. Bearstler says it WILL do. Your losses from "dead in the shell" chicks and White Diarrhoea will NEVER END until you USE the Oxygen Vitalizer. For **$4.00** it will be delivered to your door, complete, ready to use, all charges paid, with full instructions and our Money Back Guarantee.

Safe—Simple—Sure

There's nothing to get "out of order." Can be used on any incubator. Simple of operation. Attached in five minutes, lasts a life time, and EVERY TIME it's used it SAVES MORE than DOUBLE its cost.

The Oxygen Booklet

Our Oxygen Booklet—the most VALUABLE thing of its kind ever printed—is FREE. Please DO NOT ask for it UNLESS you own or operate an incubator. The supply is LIMITED. Send your order TODAY. The FIRST hatch will MORE than repay you.

"Lack of Oxygen Kills More Incubator Chicks in the Shell Than Any Other Cause. Unless Oxygen is Supplied the Chicks Will Die."
Professor C. F. Townsend

RELIABLE POULTRY SPECIALTY CO.
MAIN ST., ALEXANDER, NEW YORK, U. S. A.

Your Money Back If It Fails

Hurrah! Once More! Hurrah!!

Chicago Winners

1911 1912 1913



JAS. W. BELL,
the editor of the American Poultry Journal, in speaking of this particular cut in a letter of Oct. 13th, 1913, says: "We would state that Mr. Stahmer DID NOT in any way retouch this photo. We were just looking at the original photo and there is ABSOLUTELY NO RETOUCHING on it."
(Think this over.)

At these, the greatest Barred Rock shows in all America, in battles with the Giants of the East and of the West, of the North and of the South, in competition with the best birds of the largest breeders of the continent

Aristocrats

have been consistent winners each year. In the show which just closed its doors on December 17, mark the date, seventeen birds of Aristocrat breeding were entered and twelve of these were placed by the judge as winners. Think of it—**Twelve winners at Chicago this year were Aristocrats.**

ATLANTA

undoubtedly the largest show ever held in the South, boasts of Aristocrats among its winners this year. Victory after victory in one state after another is added to the triumphant march of the conquering Aristocrats this season. They are simply irresistible.

I just have a dandy bunch of

JANUARY SHOW BIRDS

now finishing out in wondrous beauty, which will prove **easy winners** in January and February shows. They are so striking in quality, so sensational in color and barring, that the reputation of anyone having Aristocrats will be established at once.

A New Catalogue

of 32 pages, beautiful and artistic, with the best colorplate of Barred Rocks thus far published, is now ready for **free** delivery. The colorplate is suitable for framing. This catalogue is absolutely free to those who write me a letter of their experience with chickens and their future plans, etc. Otherwise the price of this book is 50 cents. Write today.

Every Show Bird Guaranteed



Prince Narrowbars as a cockerel, showing that extremely narrow, cleancut barring for which the Aristocrats are noted. He has now developed into a very full-bodied, magnificent cockbird.

W. D. Holterman, Fancier, Box A, Ft. Wayne, Ind.

spare. Hugh A. Rose won most of the awards on birds that showed splendid type and color, while Frank C. Cleveland won 1st on a pen of old birds that were excellently balanced in type and color. The awards were: Hugh A. Rose, 1st, 2d, 5th cock; 3d hen; 1st, 5th cockerel; 1st, 2d, 4th pullet; 3d young pen. Frank C. Cleveland, 1st hen; 2d cockerel; 1st old pen; 4th young pen. Roseland Poultry Farm, 3d, 4th cock; 2d old pen; 5th young pen. T. W. Rogers, 2d hen, 1st young pen. Miss Jessie F. Gordon, 4th hen; 4th cockerel. E. T. Bemis, 3d cockerel. G. H. Eddy, 3d pullet. P. W. Windle, 5th pullet. H. B. Fletcher, 2d young pen.

Black Orpingtons were one of the greatest classes of the show. There was abundance of quality in the class. Competition was neck and neck and it was whip from start to finish. The ribbons were pretty well distributed and everyone satisfied. Brackenfield Farms won 2d, 4th, cock; 2d, 3d, 5th hen; 1st, 4th cockerel; 3d pullet; 1st old pen. Hugh A. Rose, 5th cock; 1st, 4th hen; 2d pullet; 3d old pen; 1st young pen. Robert H. Wallace won 1st cock; 5th cockerel; 5th pullet. Herrick Poultry Farms, 3d cock; 2d cockerel; 3d young pen. Blue Ribbon Poultry Farm, 3d cockerel; 1st pullet; 2d young pen. H. S. Clark, 4th pullet. Rosehurst Farm, 4th young pen.

White Orpingtons were conceded by all judges and critics to be one of the best, if not the best class in the entire show. Seldom if ever, has a better class of this variety been brought together at one time. Aldrich Poultry Farms won 1st, 3d cock; 2d, 4th hen; 1st, 2d, 5th cockerel; 1st old pen; 1st young pen. Ralph Woolery, 2d cock; 3d cockerel; 2d pullet. Jos H. Fisher, 4th cock; 3d old pen, 3d young pen; 4th cockerel. H. J. Bennett, 5th cock; 3d hen. Brackenfield Farms, 5th hen, 5th old pen. Mrs. J. H. Harnley, 1st pullet. James J. Cooley, 3d pullet. Maple Lawn Farm, 5th pullet. Iowana Farms, 2d old pen, 2d young pen. Jack Poultry Farm, 4th young pen. Clarence W. Tyler, 4th old pen. G. H. Woolenton took 1st hen and 4th pullet.

Dark Cornish—Dr. R. B. Munn, 3d, 4th cock; 2d, 3d hen; 5th cockerel; 5th pullet; 1st old pen; 2d young pen. Studebaker Farm, 2d cock; 1st hen; 2d cockerel; 1st pullet. Dartmore Yards, 1st, 5th cock; 4th, 5th hen; 1st cockerel; 2d pullet. James A. Hales, 3d, 4th cockerel; 3d, 4th pullet; 1st young pen.

Red Sussex—All awards to Carver's Red Farm.

White-Crested Black Polish—Mrs. Emma Swenson, 1st cock; 1st, 2d hen. Frank Kakuska, 1st pullet; 2d cock; 3d hen. G. M. Bender, 4th hen; 1st cockerel; 2d pullet. Chas. Hurlburt, 3d pullet.

Golden Polish, all awards to C. Behensky.

Houdans, C. J. Lancaster 2nd, 3rd cock, 1st, 3rd, 4th, 5th hen, 2nd, 3rd cockerel, 1st, 2nd, 3rd pullet. Harry Gordon 1st cock, 2nd hen. Mrs. Amanda F. Preston 1st cockerel, 4th pullet.

Silver Spangled Hamburgs H. J. Thake 1st cock, 3rd, 4th pullet. F. E. Glover 1st, 3rd cockerel, 1st, 2nd pullet. L. H. Petrie 2nd cockerel.

Silver Campines brought out a class of 140 entries with plenty of quality all through the list, showing clean snappy barring and beautiful green sheen in the ground color. Campine alley was thronged with admiring visitors at all times. Competition was strong especially in cockerels and pullets there being 40 entries

in the former and 93 in the latter. Frank E. Hering won 3rd, 5th cock, 2nd, 3rd hen, 1st, 3rd, 4th cockerel, 1st, 2nd, 5th pullet, 1st old pen, 1st young pen. C. H. Dickinson 1st cock, T. J. Rountree 2nd cock. Studebaker Farms, 1st hen. Gensemer Bros. 4th cock, 5th cockerel. R. H. Cooper 5th hen, 3rd, 4th pullet, 4th young pen. W. H. Bushnell 2nd cockerel, 3rd young pen. H. E. Pierce & Co. 4th hen. Elmer R. Doubler 5th young pen.

Golden Campines. Carvers Red Farm 1st cock, 2nd hen, 1st young pen. Gensemer Bros. 1st hen, 1st, 3rd cockerel, 1st, 2nd, 4th pullet, 2nd, 3rd young pen. John G. Kuhlmann 2nd cockerel, 3rd pullet. Elmer R. Double 5th pullet.

White Favorelles, all awards to C. J. Baker.

Salmon Favorelles, all awards to Chas. A. Bartholomew.

Calumets. Mrs. J. Page, 1st, 2nd hen, 1st cockerel, 1st, 2nd pullet. J. E. Armstrong 3rd hen, 3rd, 4th pullet.

Sicilian Buttercups, Peterson & Johnson, 1st cock, 1st hen, 1st cockerel, 3rd pullet. H. W. Court 3rd cockerel, 1st, 2nd pullet. Rev. W. B. Palaczyk, 2nd cockerel.

Blue Orpingtons, Haldie Nicholson, 1st cock, 1st hen, 1st cockerel, 1st pullet. P. A. Fosselmann, 2nd cock, 2nd hen, 3rd, 5th cockerels, 3rd pullet. H. N. Hanchett, 2nd, 4th cockerel, 4th, 5th pullet. Dr. W. E. Creath, 2nd pullet. J. McKee 1st old pen.

Black Breasted Red Game Bantam all awards to D. R. Jolley.

Silver Duckwing Game Bantams, all awards to D. R. Jolley.

Red Pyle Game Bantams, Fred C. Arthur 1st cockerel, D. R. Jolley 2nd cockerel, 1st, 2nd pullet.

White Game Bantam, all awards to D. R. Jolley.

Golden Seabright Bantams, all awards in single to Alfred Bloeser. Fred C. Borchard, J., 1st pen.

Rose Comb Black Bantams, all awards to A. H. Staat.

Light Brahma Bantams, all awards to W. F. Reardon.

Buff Cochin Bantams, all awards to Fred Gresh.

Black Cochin Bantams, all awards to R. P. Krum.

Rumpless Fowls, all awards to Wm. Fritz.

The Bronze Turkey class was conceded by all to be the best class ever exhibited in the Middle-West. Competition opened lively and excitement ran high all through the judging. Jas. S. Miles & Son made practically a clean sweep, winning all awards; also the $100.00 trophy cup given by the National Bronze Turkey Club. The awards —Jas. S. Miles & Son, 2nd, 3rd, 4th, 5th cock, 2nd, 3rd hen, 1st, 2nd cockerel, 1st, 5th pullet. A. Hamilton, 1st cock, 1st hen, 5th cockerel, 3rd, 4th pullet. H. Howard Chafin, 4th, 5th hen, 4th cockerel.

Pekin Ducks—Riverview Poultry Yards, 3rd, 4th, 5th cock, 2nd, 3rd, 4th hen, 1st, 3rd, 4th, 5th cockerel, 1st, 2nd, 3rd, 4th, 5th pullet. Roy Church, 1st cock, 5th hen. Black Point Poultry Yards, 2nd cockerel.

Rouen Ducks all awards to Henry Schehl & Son.

Colored Muscovies, Roy Church, 1st cock, 1st hen. Carl H. Vyvyan 1st cockerel, 1st pullet.

Fawn & White Indian Runner Ducks, Morton E. Thomas, 1st cock, 1st hen, 1st cockerel, 2nd, 3rd pullet. Roy Church, 2nd cock, 2nd hen. John P. Gilbert 2nd, 4th cockerel, 1st, 4th pullet.

White Indian Runner Ducks, John P. Gilbert, 2nd cock, 1st hen. Emma Willard, 1st cock, 2nd cockerel, 3rd pullet, Harry Gorden, 3rd cock, 2nd hen, 5th cockerel, 5th pullet. H. B. Green, 3rd cockerel, 2nd pullet. Geo. S. Kohler, 1st cockerel, 4th pullet, Chas. A. Steward, 4th cockerel, 1st pullet.

Buff Orpington ducks, Monarch Yards, 1st cock, 1st hen, 1st cockerel, 4th pullet. E. H. Cook, 2nd, 3rd cock, 2nd, 3rd, 4th hen, 2nd, 3rd cockerel, 1st, 2nd pullet.

Toulouse Geese, all awards to E. L. & M. N. Monroe.

Embden Geese, all awards to E. L. & M. N. Munroe.

African Geese, all awards to Mrs. Harry Wegner.

Description of the Winners.
Barred Rocks.

Cocks—1st, well conditioned, even surface, grand under color, extra head, good legs, splendid type; 2nd, large, typy, even deep color, unfinished and trifle pinched tail, extra legs, good under color; 3rd, dark, not as clean as first and second, loses on under color, tail unfinished, poor comb.

Hens—1st, clean cut and even broad markings, good under, strong wings, tail unfinished, not through molting, trifle weak in comb, first pullet here last year; 2nd, large, good color, even nice all round, loses in leg color; 3rd, good color, little under size, nice under color and wing.

Cockerels—1st, a beautiful bird, wonderful sweep of even narrow barring that is true and attractive, blue cast, beautiful type and finish, nice head and with grand lines throughout; 2nd, fine color, not as even as first, grand head and legs, tail undeveloped, loses in wing and under.

Pullets—1st, classy type and color, even narrow barring, strong hackle, strong under, clean cut wing, grand head, good size; 2nd, beauty, color fine, good wing and tail, good comb and legs, not matured, undeveloped, very promising, shows fine type and good deep underneath; 3rd, nice style of even barring, trifle high on legs, off little in type, head good, well placed.

First Exhibition Pen—Blue barred male,

BUFFALO–NEW YORK PALACE–PHILADELPHIA

S. C. WHITE LEGHORN WINNERS

At Philadelphia I win **First Prize Pullet** and **Sweepstakes Championship Special** for **Best Pullet in the entire show.** Second cockerel, fifth pen, etc. At Buffalo, cock 2-4, hen 1, and Special Winners, cockerel 2, Pullet 1-3-4, pen 3-4,

FOR SALE.—Stock and eggs of best breeding and **finest** matings. Mated pens a specialty. Write for particulars.

STEWART HADDOCK, -:- Box A, -:- POUGHKEEPSIE, N. Y.

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Communicate with me regarding an advance order for show birds to be delivered, when wanted, in perfect condition and training. A small deposit will insure reservation. I know my standard of service is not excelled by any breeder in the land and your patronage is solicited in view of this reliable assurance. I am especially strong in birds finished and ready for January and February shows. **Wire or write your requirements early,** so I can put the necessary finishing touches on the birds for your particular show date. You will appreciate this service.

C. S. Byers (Orpington Specialist 15 Years) Hazelrigg, Ind.

classic head, good type, needs finishing; females good but trifle open barring, won on maturity. 2nd, grand body, nice colored male with beauty head; females carrying snappy barring. 3rd, nice pen all through, good all over.

Cockerel Mated Pens—Male needs about two weeks, rare color, stylish, grand head, grand type; females good size, nicely matched. 2nd, large, unfinished, strong colored male; large females. 3rd, male little high on legs; good females, unfinished in tails, nice color.

Pullet Mated Pens—1st, male unfinished, clean, good shade of color. 2nd, grand pen, male bright, beautifully colored; females all with snappy color.

Pullet bred males—cock, 1st, clean, strong all though, good head, back and legs, unfinished, extra wing; cockeral, 1st, not as strong as cock, good comb and beak, length of body, good on legs.

Cockerel bred females—hen, 1st, type, shape, good tail carriage, head and legs, narrow hackle. 2nd, even all over, length of body, loses in head shape, loose in plumage. Pullets—1st, extra color, clean cut bars all over, close barred hackle, clean yellow legs, unfinished. 2nd, large, better finished, little high on legs, loses in under color and hackle, and shape of head.

White Rocks.

Cocks—1st, great head, good color, good condition, grand type. 2nd, large, best head, well set, typy, body shape fine, condition of tail prevents from winning first. 3rd, not as large as second, grand head and back, white.

Hens—1st, extra fine condition, grand head, wonderful finish, back and tail superb, pure white. 2nd, almost as good as first, long body, spread tail, pure white, sister to second cock. 3rd, grand type, white, broad back.

Cockerels—1st, perhaps best White Rock male in show, wonderful individual, vigorous; back, tail and profile grand, yellow shanks and beak, many thought best ever seen in Chicago; plenty of bone. 2nd, five point comb, low head, nice under line, sure commer. 3rd, immense deep, well spread tail, good color.

Pullets—1st, long, deep, broad, excellent finish, classy head, white to the skin, yellow shanks, near perfection. 2nd, sweet head, wonderful lines, white, grand profile. 3rd, good lines, nice color, nice long, well spread tail.

Pens—old, male grand type, clean cut head, good comb, perfection back and tail, grand long body, quality White Rock cock in show; females, strong type, good heads, well balanced, quality all there. 2nd, cock good type, length of body, head, unfinished, tail, strong and vigorous, females full quality.

Partridge Rocks.

Cocks—1st, finished, great type, clean striping, correct uniform surface throughout. 2nd, good type, loses in comb, shape of breast, clean uniform surface.

Hens—1st, fine type, good hackle, excellent pencilling, perfection back and tail, red eyes, little coarse in comb.

Cockerels—1st, strong type, back long, good body, shape, good penciliing in neck and saddle, extra good in tail color. 2nd, stronger neck than first, loses in shape and color of breast.

Pullets—1st, sweet type, great head, good hackle, strong pencilling in all sections, extra wing color.

White Wyandottes.

Cocks—1st, good head, wonderful bone, color good, nice bird. 2nd, comb good, grand back and tail, little up on legs, very nice all over. 3rd, well spread tail, wide body, well placed.

Hens—1st, very short back, well spread tail, wide all over, head nice, color white. 2nd, full body, trifle overcushioned, white, curved under line. 3rd, longer body than first or second, cracker-jack profile, a beauty, will be surprised if she does not win shape special.

Cockerels—1st, nice outline, cobby, neat, balanced, Wyandotte all over. 2nd, real nice shape, tail little high, fine bird, well placed.

Pullets—1st, perfection type, well spread tail, nice head, comb exceptional, off color in legs. 2nd, very wide body, tail unfinished and also neck. 3rd, better legs than first, comb good, tail little long, good eyes.

Pens—male, neat head, nice top lines; females three decidedly nice ones, fourth does not match. 2nd, male, good, three nice females, one off matched. 3rd, male small, full of quality, nicely finished, would please Easterner.

Golden Wyandottes.

Cocks—1st, near perfect in type, little coarse in comb, good on legs and feet, clean stripy hackle and saddle, good open centers, strong in under color, breast lacing great. 2nd, unfinished, slight tail pinched, loses in breast shape and color in all sections to first cock.

Hens—1st, little long in type, strong in hackle, lacing good all over.

Cockerel—1st, nice type, unfinished in tail, rather coarse comb, good hackle, breast and back, strong in color. 2nd, undeveloped, promising, unfinished tail, better color all over than first, loses in maturity.

Pullet—1st, nice type, pinched tail, well laced hanckle, strong in wing, clean cut lacing in all sections.

Buff Wyandottes.

Cocks—1st, unfinished condition, good even body, strong under throughout.

Cockerel—beauty, unfinished in tail, soft golden buff color in tail, wing strong colored.

Pullet—1st, good type, little unfinished, neat in head points, strong color.

Partridge Wyandottes.

Cocks—1st, good in type, coarse comb, fine back and tail, good yellow legs, strong wings, good stripe in hackle and saddle, extra tail, easy winner. 2nd, large, unfinished, well balanced, good pencilled hackle, strong tail, loses in under color of back, and color of wings.

Hen—1st, good type, unfinished in hackle and tail, shows good color in hackle and wings, good even surface throughout, strong underneath.

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Columbian Wyandottes, Leghorns and R. I. Reds.

At the Great Palace, New York, Show we win **First and Special Best Display in Columbian Wyandottes,** Cock 5, Hen 5, Cockerel 1-4, Pullet 5, Pen 2nd. **At Red Bank** win all **Five First Prizes** in **S. C. Buff Leghorns** and **Three Seconds.** Also winners at **Hagerstown** and **Allentown,** where we won **First Prize** on S. C. White Leghorn Cock, etc,

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MYERS —— VICTORY

At the Great Philadelphia Show, December, 1913
My Barred Plymouth Rocks Win

In a class of 165 birds **First Prize Hen** and Sweepstakes Championship Special for **Best Hen in the Entire Show,** also 3rd, 4th and 5th Hens; **Pullet First,** 3rd, 5th and 7th; **First Prize Pullet Mating Pen,** and **First,** 3rd, 4th and 6th Pullet Mating Males.

THIS VICTORY IS MOST COMPLETE, and stamps again the exquisite quality of my line of Pullet Mating Barred Plymouth Rocks. **See my other ad.**

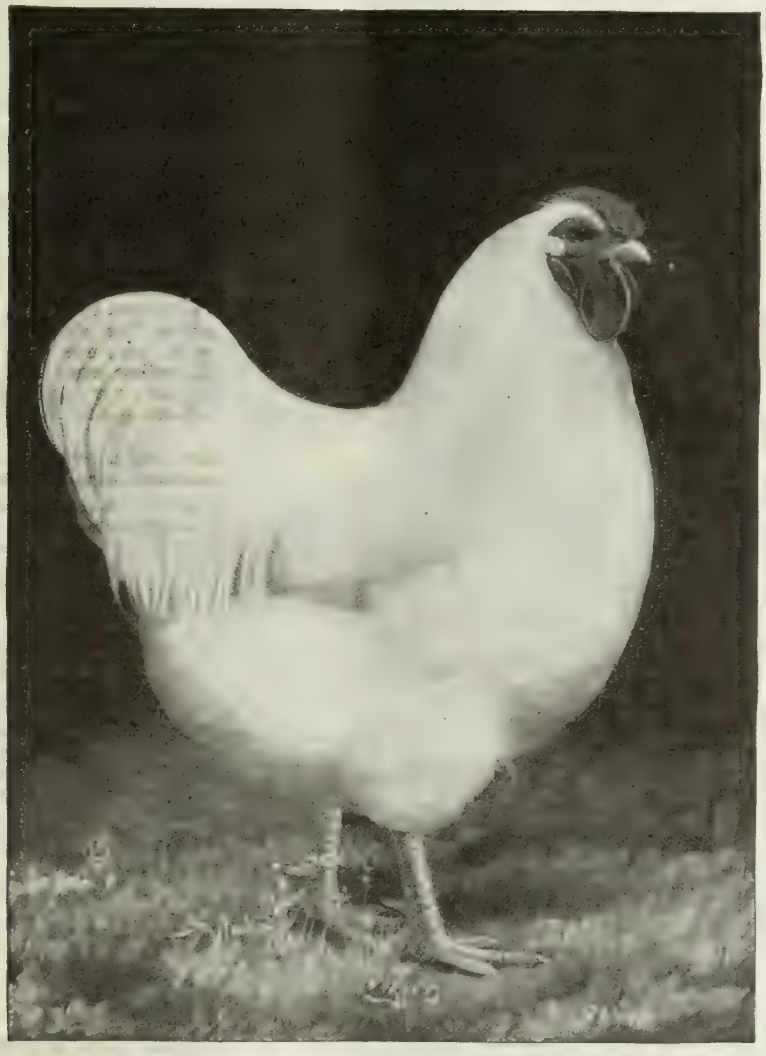
C. N. MYERS -:- -:- HANOVER, PA.

Cockerel—1st, unfinished, up on legs, showing good condition, strong hackle and saddle, good under color, neat head. 2nd, good body, slightly undersize, neat head and comb, good color except breast.

White Orpingtons

Cocks—1st, grand top lines with depth of body, breadth and color. 2nd, massive, length and depth of body, good head and comb. 3rd, another grand big fellow.

Hens—1st, good type, great length and depth of body, clean in head. 2nd, nice type, great length of body, loses on finish of neck and tail, strong head, color special hen.



First prize White Wyandotte cock at Cincinnati, Ohio, Dec., 1913. Bred, owned and exhibited by J. C. Fishel & Son, Hope, Ind.

Cockerels—1st, grand head, five point comb, well set on legs, large, grand bird. 2nd, massive big fellow proportioned on correct Orpington lines.

Pullets—1st, good in type and finish with head and comb near perfection, short on shanks, beautiful in lines, well shown. 2nd, little short in type, good spread tail and good body, matured. 3rd, trifle short body, good condition, well spread tail, matured. 4th, grand type showing length and depth with size, unfinished neck and tail, loses on maturity.

Pens, old—Male five point comb, grand back, nicely molded in all sections, well filled out; females a choice quartette.

Pens—Young, cockerel great, finished tail and length of body, pullets full of quality, owner said April hatched stuff.

Black Orpingtons.

Cocks—1st, good head, color, finish, and condition. 2nd, good bird, tail needs covering, looked like choice coloring but locked coop prevented handling. 3rd, a dandy with depth and head. Tail could be improved.

Hens—1st, fills the coop, full feathering, little fluffy on lower sides, fine hen. 2nd, length, depth and width. 3rd, looks like a box car from behind, good.

Cockerels—1st, nobby youngster, head good. 2nd, beauty head, conditioned, good all over. 3rd, decidedly nice youngster. No. 1663, Hugh Rose, unplaced, immense, heavy feathering, deep, wide, stylish, proper length of shanks, let down both fore and aft.

Pullets—1st, nice type, well shown, modern requirements. 2nd, follows English type, full and large, a peach. 3rd, more on plan of first, good all over.

Buff Orpingtons.

Cocks—1st, good type, even balance on good short legs, beautiful golden buff surface, grand under, buff wing and tail. 2nd, good type, coarse comb, clean golden buff throughout, under strong, good running mate for first.

Hens—1st, grand type, head, and comb, length and depth of body, strong, short shanks, good color, shape special. 2nd, good type, unfinished neck and tail, golden buff all over, strong under, color special.

Cockerels—1st, good type, unfinished tail, good on legs and feet, beauty shade of golden buff from head to tail, red eye. 2nd, equal in type with first, heavy shank, strong in color.

Pullets—1st, splendid type, good long body, good on legs, slightly pinched in tail, even golden buff in all sections, strong wings and under. 2nd, not as good type as first, little coarse in comb, good even color all over, loses on type to first.

Pens, old—1st, grand type and color male, females a choice lot with color, substance, etc.

Pens, young—1st, good type and color in this lot.

S. C. Rhode Island Reds.

Cocks—1st, little weak in head, great surface, wonderful under, beautiful tail coloring, fine sweep of color all over, carries breadth of back well, one of best ever seen. 2nd, another good one, well

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are known to expert breeders of this variety as one of the best prize-winning and truest breeding strains in the world. Description and prices on application.
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White Wyandottes


Blue Orpingtons

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BROODER HEATER
Equal to five Kerosene Heaters
Cares for 250 Chicks.
Needs little attention.
No lamps to trim.
No ashes, no dirt, no soot.
Absolutely safe.
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spread tail, tips of comb off, not as good tail coloring as 1st, brilliant back, color hackle under great, decidedly admirable type. 3rd, dandy head, great type, not far behind 2nd.

Hens—1st, color like a pullet, no shafting, all red, combined type and color, classes her among elite, truly a beauty. 2nd, length, beautiful type, color pleasing, sweet hen all over. 3rd, looks like sister to first, same breeder and admirable color.

Cockerels—1st, so good he is hard to describe, over 100 cockerels entered, grand type, well spread tail, long body, under color beautiful surface color one grand sweep, outside of comb and eye would be difficult to better. 2nd, certainly is some red, strong surface, had dozens of admirers, coop locked, could not handle, must be extra all over to win 2nd in such competition. 3rd, beautiful head, color and type, a live bird that pleases the critics, a hot one.

Pullets—1st, best red pullet have ever seen, so good don't know where to fault her. The question is will Harrison ever be able to produce a better one. 2nd, another live red one built from same pattern. 3rd, after handling this bird wonder if three better pullets were ever owned by one breeder, "that's enough"!

R. C. Rhode Island Reds.

Cocks—1st, surface brilliant, even and deep, beautiful finished, plenty of body length, wings correct. 2nd, first cockerel here last year, correct length, red color, beautiful head, grand top and botton lines, one of best types have seen. 3rd, loses in evenness, head and type good.

Hens—1st, beauty in color and length. 2nd, another good one, not quite as even as first. 3rd, fails slightly in wing and tail, nice dark hen, grand surface.

Cockerels—1st, wins both color and shape specials. 2nd, tail looks trifle unfinished, otherwise good, coop locked. 3rd, topper shines like a table top.

Pullets—1st, grand pullet, extra color. 2nd, coop locked, looks great from outside. 3rd, coop locked, slight contrast from outside.

Silver Campines.

Cocks—1st, seven-point comb, nice hackle, tail rather high, rich snappy bars, nice lobes, rather close to ground. 2nd, frosted comb, poor wattles, nice type, well barred, pretty hackle, high tail. 3rd, comb over, has length of body, low tail, sensational green sheen, size, most beautiful type in class, loses on condition. 4th, poor head, good breast, well barred. 5th, small with green sheen, firm comb, best breast in class, low tail.

Hens—1st, beautiful snappy surface color, strong in color all over except trifle light in wing and breast, good win. 2nd, best type in class, beautiful long body, low tail, strong color, wings and tail fine. 3rd, best sheen, racy type, good top, wonderful head points. 4th, another good one, tail trifle high, pretty good surface. 5th, pretty fair bird.

Cockerels—1st, beauty male, easy winner, white hackle, wonderful head, lovely sweep of color, possessing length of back, low tail, profusion of barred coverts and sickles, top lines correct, selection met approval of majority—in fact, all the judging in this variety was exceptionally well done. 2nd, firm comb, fine head, nicely barred tail, body well barred, grand bird. 3rd, long body, extra low tail, type like Leghorn. 4th, young, needs age. 5th, very good all over, color bright, round shanks.

Pullets—1st, snappy clean-cut ringy color, type suggestive of Leghorn, tail barred and well spread. 2nd, true breed curves on top and under bottom lines, sister to first pullet, fine color. 3rd, beautiful head, best hackle in class, color light. 4th, not unlike third. 5th, young, needs age, a comer.

First old pen headed by noted male, females extra good.

First pen young, male brother to first female, very similar, pullets good, evenly matched. 2nd, males son of first pen male, females even.

Golden Campines.

Cockerel—1st, a beauty, extra in both type and color, a very hard bird to beat on this side of the water. 2nd, pretty fair bird.

Pullets—1st, a dainty little miss with type and color, wins easy. 2nd, very good all over.

Hens—1st, nice type and color, well spread tail. 2nd, very good hen.

Pens—1st, nice type and colored male, fine head, extra lobes, females very good. 2nd, nice lot of females. 3rd, male here better than male in second pen.

White Leghorns.

Cocks—1st, firm five-point comb, pure white, grand condition, good type, tail well spread, nice body but trifle heavy if anything, lobes good. 2nd, grand tail furnishing, beautiful back, modern approved type, favorite with many. 3rd, smaller comb than first, attractive type, well set up.

Hens—1st, white, grand type, body line pretty, well shown. 2nd, stylish type, distinctly Leghorn line, favorite with many. 3rd, up standing, nice tail, trim body.

Cockerels—1st, neat head, stylish, good all over. 2nd, head not equal of first, yellow shanks, very nice all over. 3rd, long from point of breast to sickles, low tail, sweeping curves, trim shape.

Pullets—1st, good head, fine body, tail not evenly spread, yellow legs. 2nd, leg color not equal to first, head fine, dandy female. 3rd, a choice pullet from start to finish.

Brown Leghorns

Cocks—1st, nice finish, grand condition, good head, clean ear lobes, good in body, tail well carried, strong saddle and hackle. 2nd, good, carried well up on legs, decidedly nice bird.

Cockerel—1st, grand finished head, lobes and general type, low well spread tail, graceful lines, strong in neck and hackle, stripy beautiful tail and color, one of the best shaped and color birds ever exhibited.

Pullet—1st, perfection back, well

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THE GREAT WINNINGS OF THE PAST SEASON PROVE

FISCHER'S STRAIN WHITE ORPINGTONS

The Best In The West and Second to None

Winning five firsts and all specials, Coliseum, St. Louis, 1913. Four firsts and specials, Arkansas State Show, 1913. Three firsts and specials, **American White Orpington Club Show,** Cincinnati, 1913. **1100 birds to select from. Eggs for hatching. Baby chicks.**

WRITE FOR FREE CATALOGUE

SHAWNEE POULTRY FARM, Joseph H. Fischer, Mgr., Box M, Jackson, Mo.

spread tail, graceful lines, strong hackle, beautiful stiple.

Langshans

Cocks—1st, nice molded body with grand type. 2nd, not far behind first. 3rd, another good one.

Hens—1st, a beauty of both type and color. 2nd, quality all over. 3rd, grand, head to floor.

Cockerels—1st, a masterpiece, tailored after the Standard, congratulate breeder-owner. 2nd, another beauty, same breeder, grand all over.

Pullets—1st, a choice type and color. 2nd, not very far behind first. 3rd, another good one.

Minorcas.

Choice lot of Single Combs; equal quality in Rose Combs; the first R. C. cockerel showing grand type. The color in both varieties was fine; in some individuals, exceptional.

Bantams.

Grand team of games shown by Jolly. First white cockerel was greatly admired.

List of Exhibitors.

Ahlbright, Chas., Menominee, Mich.
Adams, John, Menominee, Mich.
Akers, J. W., Chicago, Ill.
Ambo, A. K., and Son, Marinette, Wis.
Aldrich, P. Farm, Columbus, Ohio.
Arvine, Arthur, Lake City, Minn.
Ahlquist Bros., Omaha, Neb.
Arthur, Fred C., Streator, Ill.
Atherton, Thos., No. Judson, Ind.
Alleman, J. R., Libertyville, Ill.
Armstrong, J. E., Chicago, Ill.
Bell, Richie, Menominee, Mich.
Bounchen, Joseph, Menominee, Mich.
Babb, Oscar, Menominee, Mich.
Bailey, John A., Denver, Colo.
Bawyn, J., Stephenson, Mich.
Berto, Thos. J., Watertown, Wis.
Brilent, Hugh, Pout, Wis.
Berg, A. D., Minneapolis, Minn.
Baskerville, Dr. Chas. M., Mt. Pleasant, Mich.
Pehensky, C., Hinsdale, Ill.
Buening, Arthur, Whitewater, Wis.
Bauer, C., Indianapolis, Ind.
Brackenfield Farm, Rochester, Minn.
Blencoe, Mrs. Guy, Alma Center, Wis.
Bennett, H. J., Connersville, Ind.
Brundage, Edward J., Chicago, Ill.
Bohlander, M. K., El Paso, Ill.
Bowers, Fred, Woodstock, Ill.
Brinkley, W. J., Quka, Miss.
Bartholomew, Chas. A., Valparaiso, Ind.
Barrick, Arthur O., Coshocton, Ohio.
Beeler, R. K., Hamilton, Ohio.
Rock, Oscar L., Council Bluffs, Iowa.
Barr, Frank, Compton, Ill.
Borcherdt, Fred C., Jr., Manitowoc, Wis.
Bloese, Alfred, Jefferson Park, Ill.
Beardon, Wm. F., Worcester, Mass.
Bushell, W. H., David City, Neb.
Brogden, Thos., Rush Lake, Wis.
Baumgartel, Arthur G., Grand Rapids, Mich.
Black Point P. Yards, Zenda, Wis.
Blackstone Farm, Lemont, Ill.
Bachman, G. W., No. Baltimore, O.
Bird Bros., Meyersdale, Pa.
Bemis, E. L., Fond du Lac, Wis.
Beck, Roy R., Galesville, Wis.
Barker, E. J., Thorntown, Ind.
Bergstron, Mrs. M. J., Menasha, Wis.
Boggs, Mrs. L. C., Bloomington, Ind.
Blanco, Geo., Alma Center, Wis.
Barker, M. S., Thorntown, Ind.
Boyd, Frank, Brokenbow, Neb.
Boyer, Sterling E., Bangor, Mich.
Bender, G. M., Pearl City, Ill.
Bales, James S., Springfield, Ill.
Burrows, Joseph, Park Ridge, Ill.
Baker, C. J., Minneapolis, Minn.
Blue Ribbon P. Farm, Columbus, Ind.
Cosgrove, Dr. E., Menominee, Mich.
Carvers Red Farm, Seville, Ohio.
Comb, Nap. F., Stephenson, Mich.
Cavanaugh, T. J., Hutchinson, Minn.
Covalt, Scott, Council Bluffs, Ia.
Carey, Joe, Beaver, Wis.
Carpenter, J. H., Glen Ellyn, Ill.
Culver, Marion H., Glencoe, Ill.
Culver, Dr. G. S., Sandwich, Ill.
Cole, Frank C., Van Wert, O.
Clapp, C. E., Morgan Park, Ill.
Comegys, Mrs. John, Shreveport, La.
Chambre, W. H. C., Winnipeg, Can. (Box 272).
Conolly, R. C. and R. L., Waukegan, Ill.
Chase, W. O., Hillsboro, Ill.
Cooley, James J., Dormont, Pittsburg, Pa.
Coleman, Wm. J., Geneva, Wis.
Chilcote, W. S., Congress Park, Ill.
Coffman, W. C., Benton Harbor, Mich.
Cobb, W. S., Jackson, Mich.
Christensen, Raymond J., Evanston, Ill.
Church, William E., St. Joe, Mich.
Cropper, R. H., Nora, Ill.
Chapin, H. Howard, Elkhorn, Wis.
Church, Roy C., Elkhorn, Wis.
Cleveland, Frank C., Morgan Park, Ill.
Carpenter, Spencer, Menominee, Mich.
Crede, Wm., Elgin, Ill.
Clark, Harold S., McKeesport, Pa.
Clark, H. H., Woodstock, Ill.
Campbell, T. M., Darlington, Ind.
Creath, Dr. W. C., Ottumwa, Ia.
Court, H. W., Kankakee, Ill.
Cook, E. H., Huntley, Ill.
Coon, Arthur F., Lockport, Ill.
Dugdale, Geo., Menominee, Mich.
Deide, C. F., Kalamazoo, Mich.
Dibley, C. C., & Son, Wolverton, Minn.
Doyle, Chester L., Prospect, Ky.
Dartmore Yards, Oconomowoc, Wis.
Deem, H. W. and M. B., Eaton, Ohio.
Doubler, Elmer R., Warren, Ill.
Does, Wm. C., Lostant, Ill.
Damhordt, Wm. S., Quincy, Ill.
Dyson, Geo., Rushville, Ill.
Deardorff, C. R., No. Judson, Ind.
Daniels, W. E., Sharon, Wis.
Dickinson, C. H., Grand Rapids, Mich.
Dailey, Margaret C., Anamosa, Ia.
Denton, Riley, Wyoming, Ill.
Didrickson, A., Whitewater, Wis.
Etzensperger, Wm., Willoughby, O.
Ehresman, A. J., Rushmore, Minn.
Ewing & Eldridge, Vicksburg, Mich.
Easling, N. P., Pekin, Ill.
Eakin, F. M., Bucyrus, O.
Eddy, G. H., Tiskilwa, Ill.
Eriser, J. R., Washington, Pa.
Faylay, Wilfred, Marinette, Wis.
Fairfield Farm, Hinsdale, Ill.
Fell, Aaron, Perryville, Pa.
Farm, The Jack P., Streator, Ill.
Faxon, O. E., Plano, Ill.
Farm, Fruitvale, Montague, Mich.
Frechtling, Dr. L. H., Hamilton, O.
Farrant, F. H., Kalamazoo, Mich.
Flanders, W. Leghorn Farm, Orchard Lake, Mich.
Fuller, Chas. G., Bicknell, Ind.
Feld, Emil, Plymouth, Wis.
Fritz, Chas. C., Stanton, Ill.
Fought, E. W., Eaton, Ill.
Fletcher, H. B., Minneapolis, Minn.
Fuller, W. H., Donaldson, Ind.
Fossellman, P. A., Waverly, Ia.
Fosse, O. L., Cambridge, Ill.
Farnum, H. Lester, St. Joe, Mich.
Fritz, Wm., Chicago, Ill.
Fischer, Jos. H., Jackson, Mich.
Gorman, Peter, Menominee, Mich.
Gasling, John, Menominee, Mich.
Gothrup, Edith, Hartford City, Ind.
Greenwood, John T., Geneseo, Ill.
Ganell, James, Pemblers, Wis.
German, Geo., Menominee, Mich.
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Gerber, G. J., Dalton, O.

Ironclad WINS In The Two Biggest HATCHING CONTESTS Ever Held

TRADE MARK

THE Hatching Contests conducted by Missouri Valley Farmer and Nebraska Farm Journal are the Biggest Hatching Contests ever held in the world. The Ironclad Incubator is the only incubator that has for two years in succession won in these Big Contests. The last contest was won by Mrs. C. F. Merrick, Lockney, Texas, with her Ironclad Incubator. Read sworn and witnessed statement below:

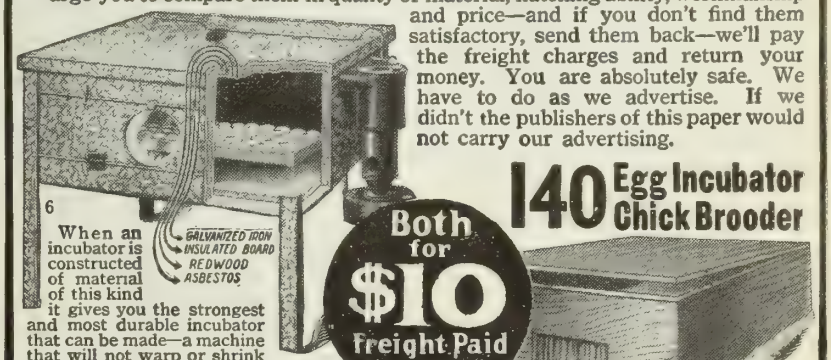
IRONCLAD INCUBATOR CO., Racine, Wis. Lockney, Texas.

Gentlemen:—I am writing to let you know that I won in the Big Hatching Contest held by Missouri Valley Farmer and Nebraska Farm Journal. I placed 148 eggs in my 140-Egg Ironclad Incubator and hatched out 148 strong chicks. I also took off two more perfect hatches during the season and I wish you could see my chicks, they are doing splendid. My success has been perfect. I have examined quite a few incubators and I like none so well as the Ironclad.

Respectfully yours, MRS. C. F. MERRICK.

We Give 30 Days Trial—10 Years Guarantee

You have nothing to risk. We will send machines—let you use them 30 days—urge you to compare them in quality of material, hatching ability, workmanship and price—and if you don't find them satisfactory, send them back—we'll pay the freight charges and return your money. You are absolutely safe. We have to do as we advertise. If we didn't the publishers of this paper would not carry our advertising.



Don't class this big all-metal-covered dependable hatcher with cheaply constructed machines.

Ironclads are not covered with cheap tin or other thin metal and painted like some do to cover up poor quality of material. Ironclads are shipped in their natural color—you can see exactly what you are getting. Don't buy any incubator until you know what it is made of. Note these Ironclad specifications: Genuine California Redwood, triple walls, asbestos lining, galvanized iron covering. Galvanized iron legs. Large egg tray, extra deep chick nursery—hot water top heat, copper tanks and boilers, self regulator, Tycos thermometer, glass in door and many other special advantages fully explained in free catalog. Write for it today or order direct from this advertisement and save time.

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Goddard & Tracy, Nekoosa, Wis.
Green, H. B., Dixon, Ill.
Gilbert, J. P., Carbondale, Ill.
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Garlock, G. W., Fort Madison, Wis.
Graham, W. N., Bradford, Ill.
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Harrison, Fred H., Menominee, Mich.
Haggerson, Fred H., Menominee, Mich.
Haines, Walter, Menominee, Mich.
Haynes, R. C., Minneapolis, Minn.
Howe, S. R., Evanston, Ill.
Hopkins, James M., Tipton, Ind.
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Hales, James A., St. Paul, Minn.
Johnson, A. E., Elmwood, Ill.
Johnson, Mark E., Atlanta, Ga.
Johns, John F., Dodgeville, Wis.
James, F. M., Toulon, Ill.
Jolley, D. R., South Bend, Ind.
Johnson, Paul, Stoughton, Wis.
Jackson, J. H., Hudson, Mass.
Jencks, Aldro, Dodgeville, Wis.
Jenk, W. J., Mineral Point, Wis.
Jacobson, Carl, Minneapolis, Minn.
Johnson, Theo., Oregon, Ill.
Koleneheck, W. T., Criret, Wis.
Kell, J. W., Sandwich, Ill.
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Kyle, Robert K., Bourbon, Ind.
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Klein, Julius J., Makin, Ill.
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Koss, George W., Canal Dover, O.
Kakuska, Frank, Berwyn, Ill.
Kohler, George S., Dayton, O.
Keisler, H. A., Bangor, Mich.
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Lapham, E. G., Elkhart, Ind.
Lehman, A. F., Toulon, Ill.
Landmann, Mrs. Nellie, Piqua, O.
Langeniak, H. A., Evansville, Wis.
Lewis, Mark, Alma Center, Wis.
Love, F. M., Lewiston, Ill.
Lancaster, C. J., Maywood, Ill.
Munger, Lea M., De Kalb, Ill.
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Mathews, Maude I., Larimore, N. D.
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Oot & Ott, Muskegon, Ill.
Otto, Roy V., Middleton, Mich.
Olle, Peter J., Racine, Wis.
Oliver, Dr. C. H., Cambridge, Wis.
Pitt, John A., Des Plaines, Ill.
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Perrin, T. J., Lawrence, Mich.
Pope & Pope, Louisville, Ky.
Page, T. H., Waverly, Ia.
Plant, William, Crown Point, Ind.
Preston, Mrs. Amanda F., Detroit, Mich.
Petty, W. R., Martland, Neb.
Potter, L. L., & Son, Terre Haute, Ind.
Pennington, J. S., Plainfield, Ill.
Petrie, S. H., Lowell, Ind.
Pearce, H. E., & Co., Evansville, Wis.
Pullens Bros., Rensselaer, Ind.
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Prescott, R. V., Cambridge, Wis.
Pickard, William, Chicago, Ill.
Pickett, H. A., Greentown, Ind.
Plank, Joe J., Appleton, Wis.
Polaczyk, Rev. W. B., Junction City, Wis.
Peterson & Johnson, Edison Park, Ill.
Page, Mrs. Jay, Elkhorn, Wis.
Rodgers, Frank, Norway, Mich.
Robinson, H. A., Downers Grove, Ill.
Rodgers, F. D., Elgin, Ill.
Roeder, F. H., Streator, Ill.
Rosemont Farm, Webster Grove, Mo.
Roth, Ed., Kenyon, Minn.
Ryan, John C., Appleton, Wis.
Reed, Charles, Burton City, O.
Robinson, Alfred D., Pt. Loma, Cal.
Rowan, R. A., Los Angeles, Cal.
Rigg, Arthur, Grand Rapids, Mich.
Rosehurst Farm, Woodstock, Ill.
Rigler, George A., Bentonsport, Ia.
Rawson, Mrs. Alice M., Big Rock, Ill.
Rountree, T. J., Nora, Ill.
Renaker, Walter E., Cincinnati, O.
Rose, Hugh A., Fouthil, Ontario, Canada.
Ree, Jay C., Jefferson, Wis.
Roseland Poultry Farm, South Euclid, O.
Rodgers, T. W., Lamont, Ia.
Roduebush, Ralph, Noblesville, Ind.
Ruth, Harrison H., Appleton, Wis.
Riverview Poultry Farm, Manitowoc, Wis.
Rockandotte Farm, Zanesville, Wis.
Rodgers, H. B., Troy, O.
Rigg, P. L., Lowell, Ind.
Rhodes, John A., Cedar Rapids, Ia.
Robers, J. P., Mt. Healthy, O.
Scranton, R. H., Rising Sun, Ind.
St. John, William, Escanaba, Wis.
Seelbach, A. J., Forest Park, Ill.
Smith, Fred N., Whitewater, Wis.
Spaeth, Carl H., La Porte, Ind.
Sprage, P. H., Maywood, Ill.
Simon, H. E., Burlington, Ia.
Studebaker Farm, South Bend, Ind.
Stephenson, E. W., Oxford, O.
Sneddon, Clyde L., Morgan Park, Ill.
Smith, Eugene C., Aurora, Ill.
Smith, William Rue, La Porte, Ind.
Schulz, George E., Louisville, Ky.
Shepherd, F. C., Toledo, O.
Schmitt, Dr. C., Dodgeville, Wis.
Sullivan, A. E., Deerfield, Ill.
Shepherd, H. E., Grand Rapids, Mich.
Schroeder, J. A., Mt. Olive, Ill.
Studebaker Farm, South Bend, Ind.
Siden, Joe, Jefferson, Wis.
Scheffer, Carl, Milwaukee, Wis.
Strasburger, F. J., Greensburg, Ind.
Shannon, A. J., Appleton, Wis.
Swaggert, William M., Wayzata, Minn.
Stannard, G. B., Lake Geneva, Wis.
Smith, A. J., Cedar Rapids, Ia.
Simmons Bros., Stockton, Ill.
Sinn, Julius, Williamsburg, Ia.
Sawyer, Richard, Benton Harbor, Mich.
Sherbondy, E. M., Peru, Ind.
Stephenson, W. H., Kempton, Ind.
Sheffield Farm, Glendale, O.
Sturtevant, H. W., Delavan, Wis.
Schoeppel, J. C., St. Mathews, Ky.
Smith, J. H., Lyons, Wis.
Swenson, Mrs. Emma, Chicago Heights, Ill.
Stewart, Charles A., Fox, Ill.
Swartout, Ross, Newport, Ontario, Canada.
Steingraeber, O. C., Jefferson, Wis.
Sylvester, James, Lawton, Mich.
Staat, A. H., Norwood Park, Ill.
Schehl, Henry, & Son, Prophetstown, Ill.
Taylor, Wilford, Menominee, Mich.
Toak, Frank, Menominee, Mich.
Turner, Lloyd, Norway, Mich.
Tuggle, O. M., Morocco, Ind.
Tyrrell, Hubert J., Bourbon, Ind.
Tormohlen, H. V., Portland, Ind.
Tyler, Clarence W., Elgin, Ill.
Taylor, James H., Woodstock, Ill.
Thanke, H. J., Corinth, Ia.
Thomas, Morton E., Carrollton, Ill.
Taylor, L. C., Gibsonburg, O.
Umberham, Harry, Ellis Junction, Wis.



Committee revising the constitution of the American Poultry Association. Reading from left to right: Frank E. Hering, U. R. Fishel, Grant M. Curtis, E. B. Thompson, John H. Robinson, S. T. Campbell.

Holiday, W. P., Georgetown, Ill.
Harris, Fred B., Woburn, Mass.
Hamnerbeck, Herman J., Superior, Wis.
Hornbrook, George L., Decatur, Ill.
Humphrey, A. J., Belvidere, Ill.
Hipkiss, William, Scottsdale, Pa.
Hoffman, George F., Cuba City, Wis.
Hoebel, W. J., Blairstown, Ia.
Holterman, W. D., Ft. Wayne, Ind.
Hall, Luther J., Kenney, Ill.
Hoover, G. Earl, Mathews, Ill.
Halboch, H. W., Waterford, Wis.
Hering, Mrs. Solomon, South Bend, Ind.
Hansen, Martin, Goshen, Ind.
Housholder, L. G., Bonaparte, Ia.
Hoffman, Clare E., Allegan, Mich.
Hering, Frank E., South Bend, Ind.
Hoffman, Frank E., South Bend, Ind.
Hoffman, J. W., Chicago, Ill.
Hamilton, Earl A., West Lebanon, Ind.
Huber, William, Hinsdale, Ill.
Hamilton, Mr. and Mrs. Alex, Petersburg, Ill.
Hackett, George W., North Freedom, Wis.
Herrick Poultry Yards, Durand, Mich.
Hudley & Jones, Chicago, Ill.
House, William T., & Son, Wheeling, W. Va.
Hurlburt, Charles, Utica, Neb.
Hewes Farm Co., Crete, Ill.
Hartman, August A., Maywood, Ill.
Holsinger, E. S., Mt. Morris, Ill.
Hanchett, H. N., Jackson, Mich.
Iowana Farms, Davenport, Ia.
Ioor, W., Grand Rapids, Mich.
Igow, D. T., Springfield, O.
Jones, Walter P., Dowagiac, Mich.
Jenck, Frank, Mineral Point, Wis.
Jackson, R. S., Muscatine, Ia.
Link, Herbert J., La Porte, Ind.
Lee, Leo A., Chicago, Ill.
Leeland, Jerome, Springfield, Ill.
Lorton, Mrs. E. J., Union City, Ind.
Landiss, Dr. E. T., Fayetteville, Tenn.
Lumley, Sydney, Hubbard Woods, Ill.
Mahood, E. W., Webster Grove, Mo.
McMillan, W. L., Ft. Wayne, Ind.
Munroe, E. L. & M. N., Racine, Wis.
Milward, W. H., Madison, Wis.
McNite, J. P., Bradford, Ill.
Munn, Dr. R. B., Hampshire, Ill.
Mahon, Eaton C., Norwood, Tenn.
Muntz, Harry A., Elgin, Ill.
Miami Valley Poultry Yards, Hamilton, O.
Michener, Karl, Orrville, O.
Moore, Casper & Son, Sheridan, Ind.
Moore & Moore, Hortonville, Ind.
Miller, F. W., Carpenterville, Ill.
Moeller, Herbert, La Porte, Ind.
Maplelawn Farm, Alma Center, Wis.
Morris, Frank L., Aurora, Ill.
Miller, Percy C., Carpenterville, Ill.
Maple Farm, Tinley Park, Ill.
Madison, Geo. C., Newport, Minn.
Maxwell, C. H., Lowell, Ind.
Morgan Bros., West Alexander, Pa.
McAndrew, C. P., Ellsworth, Wis.
McDaniel, J. H., Warsaw, Ky.
Miller, O. H., Carpenterville, Ill.
Miles, J. S., & Son, Petersburg, Ill.
Meiselbach, Harry C., Melrose Park, Ill.
Martz, A. E., Arcadia, Ind.
Miller, Charles C., Bloomington, Ill.
Meyer, L. E., Bowling Green, Mo.
Monilaw, E. D., Cedar Rapids, Ia.
McKee, Mr., Watertown, Tenn.

Underwood, John, Wausaukee, Wis.
Van Winkle & Son, Richwood, O.
Van Buskirk, Dr. E. J., Aurora, Ill.
Vyvyan, Carl H., Union Grove, Wis.
Worthington, H. F., St. Louis, Mo.
Wilson, C., Norwood Park, Ill.
Watson, C. R., Miller, Neb.
Wegener, Mrs. Henry, Pittsville, Wis.
Willows Farm, The, South Bend, Ind.
Wheeler, G. L., Penn Yan, N. Y.
Ward, R. W., Normal, Ill.
Woods, Thos. H., Fayette, Mo.
Wendt, Fred, Hanley, Ill.
Williams Bros. & Brace, Fullerton, Cal.
Warnock, W. G., Geneseo, Ill.
Woolington, G. H., Monticello, Ill.
Woolery, Ralph, Bloomington, Ind.
Weaver, W. J., Detroit, Mich.
Wiegand, H. J., Fremont, Neb.
Waterman, F. L., & Son, Barrington, Ill.
Walker, G. A., Polo, Ill.
Wales, R. W., Iowa City, Ia.
Walker, Robert, Sebring, O.
Wagner, Albert H., Kempton, Ind.
Wright, Mrs. W. A., San Angelo, Tex.
Ward, Frank, Tiffin, O.
Wright, Mrs. W. A., San Angelo, Tex.
Wysocki, Mrs. J., Aurora, Ill.
Windle, C. P., Mt. Morris, Ill.
Wilson, Mrs. C., Norwood Park, Ill.
Wallace, Robert H., Winnetka, Ill.
Waveland Poultry Yards, Chicago, Ill.
Wood, Norman B., Pittsburgh, Pa.
Willard, Emma, Downers Grove, Ill.
Wright, O. E., Canal Winchester, O.
Young, Mrs. L. J., Woodstock, Ill.
Yoder, Albert, Beloit, O.
Yant, John W., Canton, O.
Zipf, Fred W., Ravenswood, Ill.

List of Awards.

BARRED PLYMOUTH ROCKS.

Exhibition Cocks—A. C. Hawkins, 1-5; W. D. Holterman, 2; R. W. Wales, 3; W. H. Goddard, 4.

Exhibition Hens—Arthur Irvine, 1; Joe Eiden, 2-3; A. C. Hawkins, 4; G. Earl Hoover, 5.

Exhibition Cockerels—A. C. Hawkins, 1-3; F. M. Love, 2; John W. Yant, 4; Geo. Dyson, 5.

Exhibition Pullets—A. C. Hawkins, 1; Luther J. Hall, 2; Arthur Irvine, 3; John W. Yant, 4; W. D. Holterman, 5.

Pullet-Bred Cocks—A. C. Hawkins, 1-2; G. Earl Hoover, 3-4-5.

Pullet-Bred Cockerels—A. C. Hawkins, 1-3; G. A. Walker, 2-5; Chas. C. Fritz, 4.

Cockerel-Bred Hens—Chas. Reed, 1; Geo. W. Bachman, 2; Pullens Bros., 3; Geo. Dyson, 4; W. D. Holterman, 5.

Cockerel-Bred Pullets—Geo. Dyson, 1; Arthur Irvine, 2; F. M. Love, 3-5; John F. Johns, 4.

Exhibition Pens—Chas. Reed, 1-4; A. C. Hawkins, 2; John W. Yant, 3; G. A. Walker, 5.

Pullet-Bred Pens—Julius J. Klein, 1; A. C. Hawkins, 2; Luther J. Hall, 3; John W. Yant, 4; G. A. Walker, 5.

Cockerel-Bred Pens—A. C. Hawkins, 1; Pullens Bros., 2; John W. Yant, 3; W. D. Holterman, 4; F. M. Love, 5.

WHITE PLYMOUTH ROCKS.

Cocks—H. W. Halbach, 1-2-3-4; Peter J. Olle, 5.

Hens—H. W. Halbach, 1-2-3-4; Peter J. Olle, 5.

Cockerels—H. W. Halbach, 1-2-3-4; Mrs. Solomon Hering, 5.

Pullets—H. W. Halbach, 1-2-4; W. N. Graham, 3; Peter J. Olle, 5.

Old Pens—W. H. Halbach, 1-2-3; Wm. Plant, 4; Maple Farms, 5.

Young Pens—W. H. Halbach, 1-2-3; Maple Farms, 4; Wm. Plant, 5.

BUFF PLYMOUTH ROCKS.

Cocks—Marion H. Culver, 1; Arthur Buening, 2; Casper Moore & Son, 3; Carl Michener, 4; Carl H. Spaeth, 5.

Hens—Carl Michener, 1; Carl H. Spaeth, 2; Frank C. Cole, 3; F. C. Shepherd, 4-5.

Cockerels—Arthur Buening, 1; Kellogg & Kellogg, 2; Casper Moore & Son, 3; Frank C. Cole, 4; G. S. Nye, 5.

Pullets—Frank C. Cole, 1; Casper Moore & Son, 2; Arthur Buening, 3; T. J. Perrin, 4; Kellogg & Kellogg, 5.

Old Pen—Casper Moore & Son, 1; R. W. Ward, 2.

Young Pen—Frank C. Cole, 1; Arthur Buening, 2; Casper Moore & Son, 3.

PARTRIDGE PLYMOUTH ROCKS.

Cocks—Bird Bros., 1-2-3-4-5.

Hens—Bird Bros., 1-2-5; Geo. W. Hackett, 3-4.

Cockerels—Bird Bros., 1-2-3; Roy C. Church, 4; Walter E. Renaker, 5.

Pullets—Bird Bros., 1-2-3-4-5.

Old Pens—Bird Bros., 1; Peter J. Olle, 2.

Young Pen—Bird Bros., 1.

COLUMBIAN PLYMOUTH ROCKS.

Cocks—James H. Taylor, 1; Percy C. Miller, 2.

Hens—James H. Taylor, 1-2; Percy C. Miller, 3.

Cockerels—C. R. Deardorff, 1; James H. Taylor, 2-3; G. W. Garlock, 4-5.

Pullets—James H. Taylor, 1-2; C. R. Deardorff, 3-4; G. W. Garlock, 5.

Young Pen—James H. Taylor, 1.

SILVER WYANDOTTES.

Cocks—C. P. McAndrew, 1; Clare E. Hoffman, 2-4; Van Winkle & Son, 3; Wm. M. Swaggert, 5.

Hens—Clare E. Hoffman, 1-4; Wm. M. Swaggert, 2; C. P. McAndrew, 3; Van Winkle & Son, 5.

Cockerels—Clare E. Hoffman, 1-3; Wm. M. Swaggert, 2; Aldro Jenks, 4; Van Winkle & Son, 5.

Pullets—Clare E. Hoffman, 1-4; C. P. McAndrew, 2; Van Winkle & Son, 3; Wm. M. Swaggert, 5.

Young Pens—Clare E. Hoffman, 1; Van Winkle & Son, 2; G. B. Stannard, 3; Aldro Jenks, 4.

GOLDEN WYANDOTTES.

Cocks—Julius Sinn, 1; J. S. Pennington, 2; Simmons Bros. 3; W. J. Jenck, 4; Newton Nusbaum, 5.

Hens—Newton Nusbaum, 1; W. J. Jenck, 2-3; Julius Sinn, 4; J. H. McDanell, 5.

Cockerels—Julius Sinn, 1; Simmons Bros., 2; J. H. McDanell, 3; J. A. Gates, 4; W. J. Jenck, 5.

Pullets—Julius Sinn, 1; J. H. McDanell, 2; W. J. Jenck, 3-5; J. A. Gates, 4.

Young Pen—Julius Sinn, 1; J. H. McDanell, 2.

BUFF WYANDOTTES.

Cocks—F. L. Waterman & Son, 1-2-3; W. J. Hoebel, 4-5.

Hens—F. L. Waterman & Son, 1-2.

Cockerels—H. J. Wiegand, 1-2.

Pullets—F. L. Waterman & Son, 1-2.

Old Pens—F. L. Waterman & Son, 1-2.

Young Pens—F. L. Waterman & Sons, 1-2.



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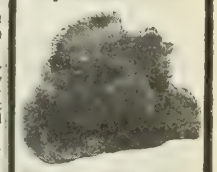
NO other one thing, since the invention of the modern incubator, pays the poultryman such large dividends as a reliable grain sprouter—**The Reliance.**

And, if there is one time more than another when every poultryman absolutely needs a Reliance Sprouter—not only for the profit it brings, but for the chicks it saves—now is the time, during the cold days of January, February and March.

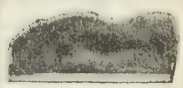
Figure it up for yourself and you'll see that for every dollar you spend for a sprouter the Reliance will make and save 2 to 3 times that much for you every month.

If your feed bill is high—**Reliance Sprouted Oats will cut the bill in half.** If your hens don't lay and your egg yield is below average—**Reliance Sprouted Oats will keep them laying all winter and increase the yield over 50%.** If your hens are not thriving—**Reliance Sprouted Oats will make and keep them healthy, sturdy** and **promote growth.**

Reliance Sprouted Oats



Taken from photo of 3 bu. tender, juicy sprouts. All from 1 bu. of oats placed in a Reliance Sprouter on Monday and taken out on Saturday morning. Think of the cheap feed you're getting and the extra eggs.



Taken from photo of tray full of sprouts before feeding a flock of hens. Note the tray is **not wood** — but heavy galvanized iron with double locked and riveted frame which can not rot or wear out like the wooden ones. Other superior features in our literature. Send for it.

Reliance Grain Sprouters

Are Sold Direct from Factory at Low Bargain Prices

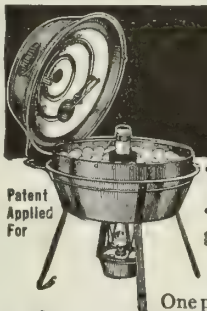
In November and December we cut the price on all four sizes way below competition. We will adhere to that low price for the rest of the season. Better values you can get nowhere else.

The Reliance is Not Only Cheaper—But BETTER

It has double walls, double insulation, extra galvanized iron linings, galvanized trays, (not wooden), strong screening. The lumber is of the highest grade, the heating system is better, the ventilating system is faultless; besides the front contains more glass which induces larger quantity of sprouts. Write for literature and low prices. We ship same day order is received. Safe delivery guaranteed.

Reliance Incubator Co., Dept. 62, Freeport, Ill.

Manufacturers of Grain Sprouters, Incubators, Brooders



Patent Applied For

NEW—NEW—NEW—

SHEER'S Latest Production

FRIEND Poultryman, this incubator gives results. No other incubator you have ever seen has the design and features of this. No other incubator you have ever used has given the high percentage hatches day in and day out this is giving. **Its marvelous price is just $6, delivered to you.**

More than 11,000 ordered before one line of advertising appeared. One poultryman, after test, ordered 50. One man, inexperienced, cleared $150 with one little hatcher in 5 months. **Results** — that's the answer. This is the first practical **all metal,** fireproof, everlasting machine ever produced. The **first** machine of its size with a perfect heating and heat distributing system.

Peerless-60

$6 DELIVERED

Round Like a Nest. Eggs heated **from above** with the patented triple wall heat radiator. All heat is used. Regulation of heat, ventilation and moisture is all automatic. Equipped throughout with the famous Sheer fixtures. Wonderful Sheer Wafer Thermostat Regulator **automatically** turns lamp flame up and down to meet temperature in egg chamber. Overheating impossible. Uses less oil than any other incubator on earth per dozen eggs. I am ready to prove these facts.

Let Me Send You a Sample Incubator

Let me send you one of these machines so you can see for yourself, upon the absolute guarantee of results or your money back. This is a fair, square offer. It means money in your pocket. Write me today.

H. M. SHEER, Dept. 13, Quincy, Illinois

WHITE WYANDOTTES.

Cocks—A. J. Smith, 1; J. F. Strasburger, 2-4; W. S. Cobb, 3; Geo. C. Madison, 5.
Hens—A. J. Smith, 1; W. S. Cobb, 2; Mrs. W. A. Wright, 3; F. M. Eakin, 4; Arthur Rigg, 5.
Cockerels—F. M. Eakin, 1; Mrs. W. A. Wright, 2; Geo. C. Madison, 3; J. F. Strasburger, 4-5.
Pullets—W. S. Cobb, 1; A. J. Smith, 2; F. M. Eakin, 3; J. F. Strasburger, 4; R. K. Beeler, 5.
Old Pen—J. F. Strasburger, 1; A. J. Smith, 2; A. J. Shannon, 3; Arthur Rigg, 4; L. L. Potter & Son, 5.
Young Pen—F. M. Eakin, 1; J. F. Strasburger, 2; The Jack Poultry Farm, 3; J. H. Jackson, 4.

BLACK WYANDOTTES.

Cock—Aldro Jenks, 1.
Hen—Aldro Jenks, 1.
Pullet—Aldro Jenks, 1.

PARTRIDGE WYANDOTTES.

Cocks—Dr. Chas. M. Baskerville, 1-2; W. H. Milward, 3; J. P. McIntre, 4; A. J. Ehresman, 5.
Hens—M. J. O'Connor, 1; Dr. Chas. M. Baskerville, 2-3; A. E. Johnson, 4; R. S. Jackson, 5.
Cockerels—W. H. Milward, 1; J. P. McIntre, 2; Frank Jenck, 3-4; A. K. Ambo & Son, 5.
Pullets—Dr. Chas. M. Baskerville, 1; E. G. Lapham, 2; M. J. O'Connor, 3; J. P. McIntre, 4; A. E. Johnson, 5.
Old Pens—Ewing & Eldridge, 1; R. S. Jackson, 2.
Young Pens—Dr. Chas. M. Baskerville, 1; M. J. O'Connor 2.

SILVER PENCILED WYANDOTTES.

Cockerel—W. Ioor, 1.
Pullet—W. Ioor, 1.

COLUMBIAN WYANDOTTES.

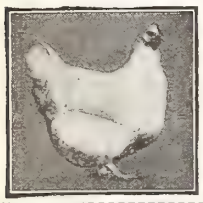
Cocks—A. L. Fosse, 1; O. H. Miller, 2; Richard Sawyer, 3-4-5.
Hens—Richard Sawyer, 1-4; Carl Jacobsen, 2; Jerome Leeland, 3; T. J. Cavanaugh, 5.
Cockerels—A. L. Fosse, 1; Richard Sawyer, 2-4-5; Leo. A. Lee, 3.
Pullets—T. J. Cavanaugh, 1-3-4; Leo. A. Lee, 2; Richard Sawyer, 5.
Old Pen—Jerome Leeland, 1.
Young Pen—Richard Sawyer, 1.

BLACK JAVA.

Cock—Herbert J. Link, 1.
Hens—Herbert J. Link, 1-2-3-4-5.

S. C. RHODE ISLAND REDS.

Cocks—Fred E. Harrison, 1-4; B. H. Scranton, 2-3; Wm. Etzenperger, 5.
Hens—B. H. Scranton, 1-3; Fred E. Harrison, 2-5; Wm. Etzenperger, 4.
Cockerels—Fred E. Harrison, 1-5; B. H. Scranton, 2-3-4.
Pullets—Fred E. Harrison, 1-2-3-4; J. P. Olley, 5.
Old Pens—F. E. Harrison, 1-3-4; B. H. Scranton, 2-5.
Young Pens—F. E. Harrison, 1-5; E. W. Mahood, 2-3; B. H. Scranton, 4.



S.C. White Orpingtons
Black Langshans
WINNERS AT THE LEADING SHOWS
EGGS FOR HATCHING
$3 per 15, $5 per $30, $12 per 100
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THE STRAIN OF LEAST RESISTENCE

BUFF ORPINGTONS. Cockerels that are blocky, broad, deep and massive, full of vigor, strong in under-color, strong in head points and type, and a rich, even, lustrous shade of buff, as soft as moonlight. Won more points at the New York State Fair than any other exhibition. Almost a clean sweep at Albany. They always win. It's in their breeding.

WHITE ORPINGTONS. Some very high-class cockerels to spare. I know we've got what you want. I know, too, you can pay more elsewhere than I ask, but you can't get better blood lines, or quality. Book your order early for eggs at 50c each. A few baby chicks also. I guarantee to please.

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SILVER WYANDOTTES
THE BEAUTY & UTILITY BREED
THE BEST WINTER LAYERS
STOCK FOR SALE AT ALL TIMES
NO EGGS NOR BABY CHICKS
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They are going fast—our utility Silver Wyandottes. Only a few females left below $4.00 each, but we have about 50 utility Cockerels at from $2.00 to $4.00 each. If you want some, let us have your order soon; they will help the laying quality in your flock. We have a fine lot of choice breeders and exhibition birds yet in Cocks, Cockerels, Hens and Pullets at prices that are right. Let us supply your wants.

SILVER CAMPINES We have about 125 Cockerels and Pullets to spare in pairs, trios or pen of 1 male and 4 females. They are a fine lot and will please you. Send for Wyandotte catalogue or write your wants. No Campine catalogue, but will be glad to quote prices.

White Rocks and Silver Campines

My White Rocks are Winners at such shows as Quincy, Ill., Illinois State Fair and Illinois State Show, Springfield, Ill., 1912-1913.

I have been pedigree breeding this variety 10 years for heavy egg-production and standard excellence, and can supply winners for any show.

My Silver Campines are the Best Obtainable

My 1914 matings are each headed by a son of a winner at the 1912 Crystal Palace Show, England (the world's greatest show), mated to winning females.

A few fine White Rocks for sale. Eggs from special pens of either variety $5.00 per 15, $9.00 per 30. Circular free.

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R. C. RHODE ISLAND REDS.

Cocks—Longfield Poultry Farm, 1; H. A. Robinson, 2; W. L. McMillan, 3; H. E. Simon, 4; James M. Hopkins, 5.
Hens—Longfield Poultry Farm, 1-3; W. L. McMillan, 2; Carver's Red Farm, 4; J. H. Carpenter, 5.
Cockerels—C. R. Watson, 1-3; A. D. Berg, 2-4; James M. Hopkins, 5.
Pullets—W. L. McMillan, 1; A. D. Berg, 2-3; H. A. Robinson, 4; Longfield Poultry Farm, 5.
Old Pens—Longfield Poultry Farm, 1; C. R. Watson, 2; Wm. Etzenberger, 3.
Young Pens—The Jack Poultry Farm, 1; C. R. Watson, 2; Longfield Poultry Farm, 3; H. A. Robinson, 4; James M. Hopkins, 5.

BUCKEYES.

Cocks—Eaton C. Mahon, 1; Fred B. Harris, 2.
Hens—Fred B. Harris, 1; H. W. & M. B. Deem, 2.
Cockerels—Fred B. Harris, 1; H. W. & M. B. Deem, 2.
Pullets—Eaton C. Mahon, 1-3-4-5; Fred B. Harris, 2.

LIGHT BRAHMAS.

Cocks—Wm. T. House & Son, 1-4-5; Roy R. Beck, 2; Spencer Carpenter, 3.
Hens—Wm. T. House & Son, 1-3-5; Geo. W. Koos, 2; Roy R. Beck, 4.
Cockerels—A. B. Prescott, 1; Roy R. Beck, 2-3; Geo. W. Koos, 4; Wm. T. House & Son, 5.
Pullets—Roy R. Beck, 1-3; Geo. W. Koos, 2-4; Wm. T. House & Son, 5.
Old Pens—E. J. Barker, 1.
Young Pens—Geo. W. Koos, 1; E. J. Barker, 2.

DARK BRAHMAS.

Cock—Arthur F. Coon, 1.
Hen—Arthur F. Coon, 1.

PARTRIDGE COCHINS.

Cock—Arthur F. Coon, 1.
Hen—Arthur F. Coon, 1.

BLACK LANGSHANS.

Cocks—M. S. Barker, 1-2-3-4; L. E. Meyer, 5.
Hens—M. S. Barker, 1-4; Frank Boyd, 2. Hewes Farm Co., 3-5.
Cockerels—M. S. Barker, 1-2-5; Frank Boyd, 3; Norman B. Wood, 4.
Pullets—M. S. Barker, 1-3; Frank Boyd, 2; Hewes Farm Co., 4; John A. Rhodes, 5.
Old Pens—M. S. Barker, 1-3; John F. Johns, 2; Hewes Farm Co., 4; L. E. Meyer, 5.
Young Pens—M. S. Barker, 1-2; Hews Farm Co., 3; E. D. Monilaw, 4; Margaret C. Daly, 5.

WHITE LANGSHANS.

Hens—T. M. Campbell, 2-3.
Cockerels—Albert H. Magnuson, 2.
Pullets—Albert H. Magnuson, 1.

BUFF LANGSHANS.

Cock—Edward J. Brundage, 1.
Hen—Edward J. Brundage, 1.
Cockerel—Edward J. Brundage, 1.
Pullets—Edward J. Brundage, 1-2.

S. C. BROWN LEGHORNS.

Pullet-Bred Cocks—F. H. Farrant, 1; A. J. Humphrey, 2; Moore & Moore, 3.
Pullet-Bred Cockerels—F. H. Farrant, 1-5; Williams Bros. & Brace, 2; H. V. Tormohlen, 3; A. J. Humphrey, 5.
Cockerel-Bred Hens—Moore & Moore, 1; W. F. Warnock, 2; H. V. Tormohlen, 3.
Cockerel-Bred Pullets—W. G. Warnock, 1; Moore & Moore, 2; E. L. Green, 3; H. V. Tormohlen, 4; F. H. Farrant, 5.
Pullet-Bred Pens—E. L. Green, 1; Rosemont Farm, 2.
Cockerel-Bred Pens—E. L. Green, 1; W. G. Warnock, 2; H. B. Tormohlen, 3; Moore & Moore, 4; Dr. Chas. Schmitt, 5.
Exhibition Cocks—Williams Bros. & Brace, 1-2-5; Wm. S. Damhorst 3; F. H. Farrant, 4.
Exhibition Hens—Dr. C. Schmitt, 1; W. G. Warnock, 2; Herbert Moeller, 3-5; Geo. L. Hornbrook, 4.
Exhibition Cockerels—Williams Bros. & Brace, 1-3; Thos. H. Woods, 2; F. W. Miller, 4; Geo. L. Hornbrook, 5.
Exhibition Pullets—H. V. Tormohlen, 1; Williams Bros. & Brace, 2-5; F. H. Farrant, 3; A. F. Lehman, 4.
Exhibition Pens—Williams Bros., 1-3; H. B. Tormohlen, 2; W. G. Warnock, 4.

R. C. BROWN LEGHORNS.

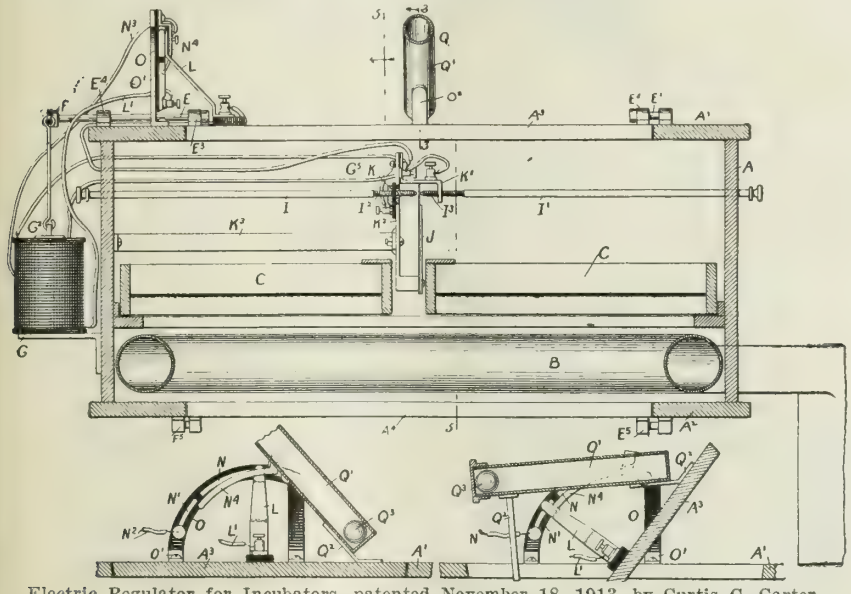
Exhibition Cocks—R. C. & R. L. Conolly, 1-3; W. O. Chase, 2; Wm. Hipkiss, 4; Albert Yoder, 5.
Exhibition Hens—W. H. C. Chambre, 1-4-5; R. C. & R. L. Conolly, 2; Wm. Hipkiss, 3.
Exhibition Cockerels—R. C. & R. L. Conolly, 1-2-5; W. O. Chase, 3; Ed. Roth, 4.
Exhibition Pullets—W. H. C. Chambre.

[Continued on page 115]

Recent Inventions for Poultrymen

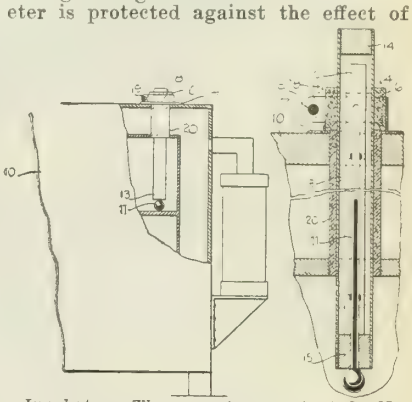
By Lester L. Sargent, Patent Attorney, Washington, D.C.

AN Electric Regulator for Incubators is the poultry device which stands out as the most unusual of any patented during November. The usual casing and egg trays are provided. The heating means consists of a tube disposed in the lower portion of the casing. This tube is supplied with hot water from a boiler. A thermostat in the casing controls an electric switch, which in turn actuates electrical devices for turning the heat on and off, by means of doors in the casing which are automatically opened for the ingress of air when the hatching temperature within the casing exceeds the normal 103 degrees. When the temperature falls below normal, the thermostat then makes connection with a contact rod and an electrically operated alarm is sounded. The operator in charge is thus warned to remedy the defect by increasing the temperature of the source of heat supply. The inventor claims that the advantage of the electrical regulator over other automatic means is that heretofore in practice it has been found that when the heat supply is wholly or partly shut off the temperature within the casing increases for a short time, to the detriment of the hatching process, while with his improvement the incubating temperature is controlled independently of the temperature of the heating medium or the surrounding air. The electrically actuated doors open when the temperature reaches 104 degrees F. and close when it reaches 100 degrees F. within the casing, the temperature of the heating means being practically constant at all times at 104 degrees F. Here is the way the electrical device operates: Suppose the temperature of the incubator rises above normal; it will cause the thermostat (which consists of one copper and one iron bar) to contact with a contact rod and thus energize a solenoid and cause its core to exert a pull on a link which operates an arm that turns a trunnion, or cylindrical projection, that moves swinging doors into a partly open position. The doors are then moved by mechanical means—a ball and cylinder—into a completely open position, to admit outside air. An insulated arm mounted at right angles on the swinging door has its end engaged with a segmental contact plate and travels along this plate to keep the solenoid energized. When the arm finally leaves the first of two adjacent segmental plates, the circuit is broken and the solenoid de-energized. This occurs when the swinging door has reached its partly open position and the ball in the cylinder starts to roll outward. The incoming air, when it has lowered the temperature sufficiently to influence the thermostat, causes the energizing of another solenoid which actuates devices to close the swinging door, practically reversing the operation of the various devices. The inventor is Curtis C. Carter, of Chapin, Illinois. Patent No. 1,079,213.



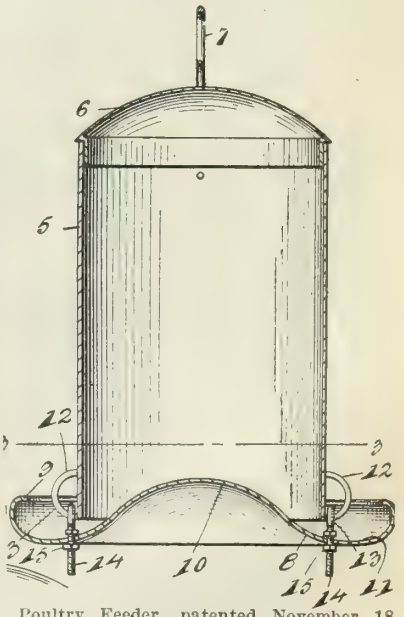
Electric Regulator for Incubators, patented November 18, 1913, by Curtis C. Carter, Chapin, Ill. No. 1,079,213.

An "Incubator-Thermometer" is the invention of Clara Roberts, of Newberry, Mich. It is housed against the effect of the exterior air and may be conveniently withdrawn to determine the temperature without the danger of any cool air from outside gaining access to the egg chamber. A guide tube forms a passage from the exterior of the incubator into the egg chamber. A transparent tube is slidably fitted into the guide tube. A thermometer is inclosed in the transparent tube, and a stop is adjustably mounted upon the transparent tube, limiting its insertion through the guide tube. The thermometer is protected against the effect of the low temperature in the air space between the double walls in the incubator by the asbestos of which the guide tube is constructed. Patent No. 1,079,724.



Incubator Thermometer, patented November 25, 1913, by Clara Roberts, Newberry, Mich. No. 1,079,724.

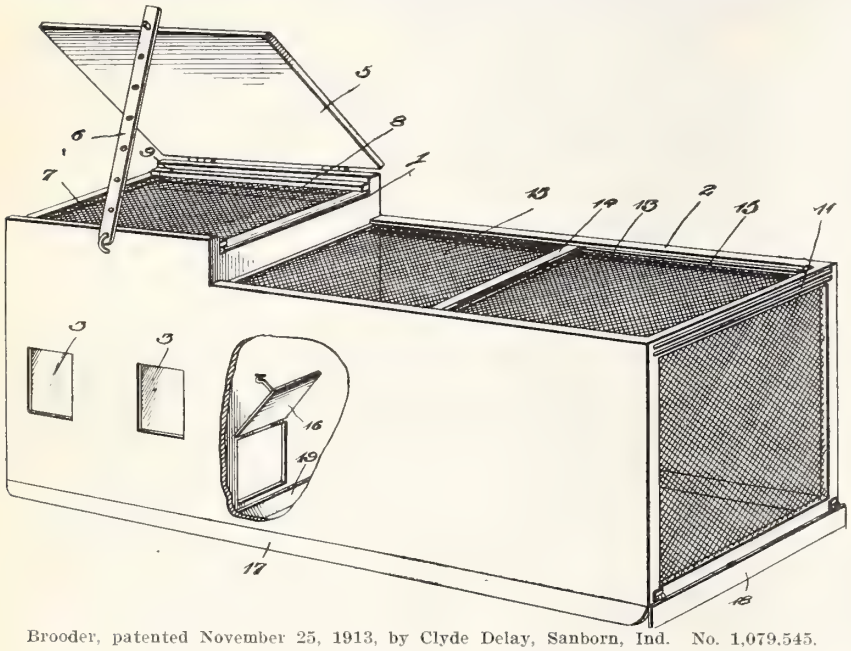
George W. Heath, of Stonington, Conn., has patented a poultry feeder designed to prevent the wasting of feed from overflow or billing by the poultry. Another object is the provision of a hopper or container and a tiltable trough associated with it, adapted to be moved by the fowls for



Poultry Feeder, patented November 18, 1913, by George W. Heath, Stonington, Conn. No. 1,078,853.

the automatic supply of feed from the container into the trough. The inwardly turned flange of the trough is advantageous in preventing feed from being scattered by the fowls. Patent No. 1,078,853.

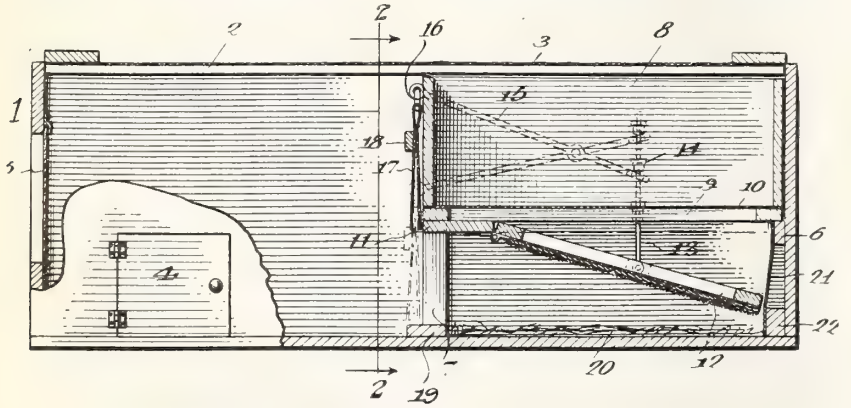
Three new brooders have made their appearance. Their construction and operation is fairly obvious from the accompanying illustrations. Clyde Delay, of Sanborn, Indiana, is the patentee of



Brooder, patented November 25, 1913, by Clyde Delay, Sanborn, Ind. No. 1,079,545.

a Poultry-Brooder which is a sanitary and inexpensive structure, comprising a combined screened inclosure and housing. Patent No. 1,079,545.

James A. Gardner, of Northshade, Mich., is the inventor of a new Brooder in which the ventilation is regulated by the chicks within the brooder, their instincts and habits being taken advantage of for the operation of the brooder. A movable hover member or

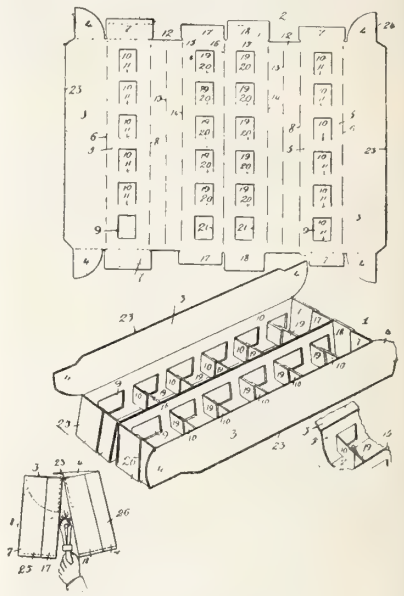


Brooder, patented November 11, 1913, by James A. Gardner, Northshade, Mich. No. 1,078,344.

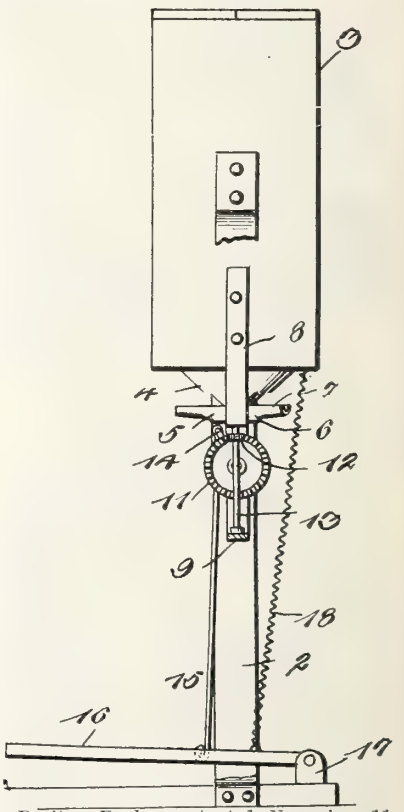
fleece-lined cover for the chicks is arranged in the hover chamber to permit the backs of the chicks beneath it to come in light contact with it, and having the means, including a counterweight and curtain connected with and balancing the fleece-lined cover, for closing or decreasing the ventilation opening as the cover is lowered or raised. In other words, the brooder acts similarly to the mother hen. When chicks creep under her and press against her body to get warm, she will lower her wings and inclose them. The invention is particularly useful in connection with so-called fireless brooders. Patent No. 1,078,344.

A new Egg-Carton has been patented by Edward F. Ward, of Trumansburg, New York. It may be used as a package in which the eggs are delivered or as a package in which eggs are candled to determine their condition. And the candling may be accomplished without removing any egg from the carton or the handling of any egg. The candling is done by placing the carton over a light so as to straddle it, and then the eggs may be examined through the holes in the sides of the carton. The invention comprises a pair of similar cartons arranged side by side and having adjacent sides flexibly united along one edge directly to each other, and having the opposite edges of their open sides provided with flaps extending across the junction of united sides when closed, tongues extending from the sides of the pockets and interengaging over the bottoms of the receptacles. Patent No. 1,077,322.

Still another brooder is the invention of James W. Morris, of Oakland, California, one-half of the patent rights having been assigned to Richard W. Sweet, of Oakland, California. What is claimed is a hover including two telescopic portions, one having a bottom and the other a top, these portions being disposed to permit ingress of air to within the hover, and means for snugly engaging the chicks within the hover. In the daytime the chicks have the free run of the entire area; at



Egg Carton, patented November 4, 1913 by Edward F. Ward, Trumansburg, N. Y. No. 1,077,322.

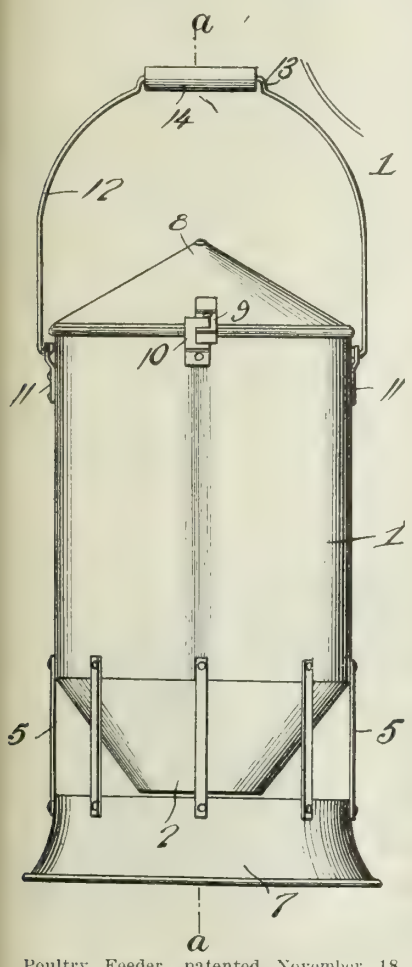


Poultry Feeder, patented November 11, 1913, by Max H. Hinkle, Blackhawk, Colo. No. 1,078,094.

night the inner hover is rotated so as to close the opening and inclose them therein. Patent No. 1,078,547.

Max H. Hinkle, of Blackhawk, Colorado, is also the inventor of a poultry feeder that exercises the fowls. George E. Fritz, of Blackhawk, Colorado, is

the assignee of a half interest in the patent rights to this invention. In this feeder the rotatable distributer at the mouth of the hopper is operated by a vertical shaft carrying a pinion which meshes with a gear wheel having a lug on its outer periphery, which in turn is connected to a rod extending to and connected with the lever on which the fowls must alight to operate the feeder. A coil spring having one end secured to the hopper and the other to the lever tends to rotate the distributer back to its original position after it has been spun around by the fowl alighting on the lever and setting the device in operation. Patent No. 1,078,094.



Poultry Feeder, patented November 18, 1913, by John M. Franklin, Hatfield, Pa. No. 1,079,231.

John M. Franklin, of Hatfield, Pa., is the inventor of a new poultry-feed hopper designed to prevent poultry from wasting feed, such as dry mash, by preventing the overflowing of the feed pan. Patent No. 1,079,231.

Please look at the back inside cover

Try Crisp-As-Ice Lettuce



This is the most beautiful Lettuce known, leaves are so tender and brittle as to suggest its name. It cannot be over-estimated or over-praised; for use early in spring or summer, or late in fall.

OUR OFFER. We will mail any reader of this paper 1 packet Crisp-As-Ice Lettuce in a COUPON ENVELOPE if 2c stamp is enclosed. When this COUPON ENVELOPE is returned you may select one packet of seed FREE — any kind offered in our SEED BOOK. Our Big Seed and Plant Book for 1914, offering the best Seeds and Plants at Bargain Prices will be mailed FREE to all.

MILLS SEED HOUSE, Box 30, Rose Hill, N. Y.

THE GREAT PALACE NEW YORK SHOW.

"The Lucky Seventh" a Brilliant Exhibit of Rarest Quality, the Beautiful Palace Building Being Filled With Entries From Every Section of the country—Great Classes in Barred Rocks, W. Wyandottes, Reds, Buff Orpingtons, Leghorns, Etc.—Nearly 5,000 Specimens Exhibited in All Classes—A Record-Breaking Attendance With Perfect Management.

Written by H. P. Schwab, Eastern Representative A. P. J.

THE members of the Empire Poultry Association have every reason to feel proud over the success of the "Lucky Seventh" better known a the New York Palace Show which has just closed its doors on one of the largest and finest shows we have had the pleasure of attending. It was a brilliant display and a brilliant success from every viewpoint, the classes were well balanced and varieties of every known kind were seen in numbers and quality to admire.

The single entries numbered 2,477. Pens 229 of 1,145 birds. Pigeons 601. Pet-stock 213 and displays 200, making a grand total of 4,636 entries. The class of Barred Rocks numbered 213 birds and was sizzling with the quality we can expect at New York shows and other classes were in proportion with figures to be given later.

The Palace banquet as is usual again proved a feature of the entertainment offered by the show management. Here the two secretaries of the two great New York shows were brought together and most of those attending had a chance to speak their little piece. Uncle George Weed was toastmaster and some toaster he is, but others like myself will have our day to play even at the Boston feast as Billy Atherton has promised to set him way back in Bean-town.

Everything connected with the show seemed to be in perfect working order and while we would single out President Robert Seaman, Secretary Howell and Superintendent Hearsfield for special mention, we can't help but feel that particular credit is also due to every member no matter what his minor position was, for the entire show was run with smoothness that was good to see, perfect harmony was the great and important factor and in the general success of this great and most beautiful exhibit there is glory enough for all.

We would like to write more of this show in a general way but our time is limited and we are anxious to tell our readers of the exhibitors there and the birds seen and the winnings.

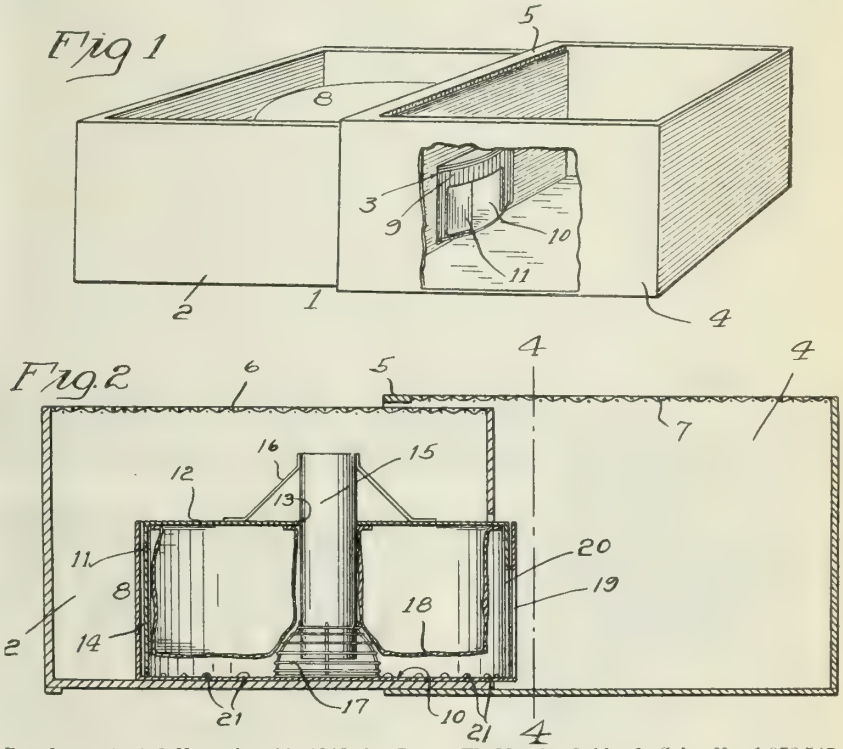
The exhibitors and the birds:

Plymouth Rocks.

The great class of 213 Barred Plymouth Rocks were cleverly handled by Judge C. H. Welles. There was quality in every class of the highest merit and many sales of note here.

Mr. John D. G. Gennerich, Mt. Kisco, N. Y., won well here last year and came back for more honors winning Special first cockerel mating pen, second pullet mating pen, second and third cockerel mating hens, special first pullet mating cock and second and third cockerel mating pullets with fourth pen. His entire exhibit was one of rare quality and his winning pullet-bred cock a bird of superior quality and worth. In the line of cockerel mating pens his winner stood out strong, such breeding is bound to tell and we look for more results from this line next year and in the future.

A new Barred Rock star appeared in the person of J. D. Harcombe, Grand View, N. Y. He winning first cockerel, first pullet and second pen and several specials. Mr. Harcombe has been breeding but a year or two and this was



Brooder, patented November 11, 1913, by James W. Morris, Oakland, Cal. No. 1,078,547.

his first exhibit. His birds have the marks of quality and were easy winners.

First cock, fourth cockerel and third pullet was won by P. Canavan, and Mr. Frank D. Hamm won first pen, third hen, and second pullet.

To make the record complete we are obliged to give our own winnings here (Schwab Brothers) which were: First hen and special for best hen in the entire show, second cock, second cockerel, fifth pullet, special first pullet mating pen and special firsts on both cockerel-bred hen and pullet with the Spratts cup for best general display.

White Rocks numbered 97 birds and were a class of quality shown in wonderful condition. The Rancocas Farms, Browns Mills, N. J., here made a show record by winning cock 1, hen 1, cockerels 1 and 2, pullet 1, pen 1, and all specials. In condition and in quality as well it is hard to imagine better birds than these were, for in size and shape they were of the best, with nothing lacking. This line has been winning for years and as seen here and at their home are all we could wish for.

The Waldron Poultry Yards, Ogdensburg, N. Y., won well with cock 4, hen 2, pullet 3, and pen 2.

Other winners here were P. G. Springer, R. A. Racine, F. W. Hopkins, A. L. Russell, B. R. Smith, J. D. Koons, etc.

Buff Rocks a good sized class of fine birds with the leading winners as follows: J. H. Vincent, W. J. Wiberly, Rox Bar Farms, Billheimer and Kratzer, Wm. J. H. Goetz, etc.

Columbian Rocks numbered 70 birds and was a contest between several well known breeders, Mr. F. G. Bean, Collegeville, Pa., winning cock 1 and 4, hens 1, 2 and 4, cockerel 1 and 3, pullet 5 and pen 1.

Colonel L. Paul Graham, Collingswood, N. J., winning cock 2, cockerel 4, pullet 1, and pen 3.

Others winners here were S. W. Bradley, F. W. Otte, Buttonwood Farms.

In Partridge Rocks the class was rather small with fine quality and the winners were W. F. Presgrave, Anderson and Prussy, and I. W. Mole.

Silver Penciled Rocks, one of the best quality classes we have seen to date, we wish in particular to refer to first pullet, and believe her to be the finest specimen we have ever handled of this variety. The Bonaparte Park Poultry Ranch, winning cocks 1 and 3, hens 1 and 2, cockerels 1 and 2, pullets 1 and 2, and pens 1 and 3. With Mr. John McKay in charge these yards loom up strong.

Wyandottes.

In White Wyandottes 188 birds were seen making one of the five largest classes at the exhibit. Evenness and good quality was the one great feature throughout. Onlya Farms, Florham Park, N. J., made a very select winning here and by winning first pen won final ownership of the pen cup on which they had a previous win. They also won hen 4, cockerel 4, pullet 2, and pens 1 and 4.

Their first pen was a marvel in mating and beauty, the females matched to perfection and the male without question one of the best in the show, fine heads with the best of form and carriage are the great features of this valuable line.

Mr. Geo. H. Pollard, Greenbush, Mass., won cock 1, cockerel 5, on rare birds well shown.

First and second cockerels were won by Havemeyer Bros., with the wizard Jimmy Glascow in charge. He also won other places in the class but his win on cockerels is enough to give at any one time. They were a great pair of birds beautifully shown.

Silver Wyandottes were a large and very select class, just the kind we like to see for this old-time favorite has always had a warm place in our make-up. Here our old friend Geo. W. Weed won cock 1, hen 4, cockerel 2 and 3, and pen 2.

Other winners were F. S. Hubbard, W. E. Samson, J. Reepmeyer, H. M. Puder, Dr. H. M. Kalvin, J. F. Hughes, etc.

Golden Wyandottes a small class, but with quality that would win in a large and strong class, the females particularly fine.

Buff Wyandottes a large and beauty class, birds well shown. The winners were L. W. Winner, S. A. Howland, T. S. Hewke, A. J. Gies, H. A. Pratt, Mrs. J. D. Koons, C. E. Coffin, J. E. Burt, etc. First cockerel shown by Mrs. Koons a bird of rarest type and soundest of color with nice head and well finished.

Black Wyandottes a very fair sized class and a very good one, the type of birds was particularly fine and heads good.

Partridge Wyandottes a good class of fine quality birds, well shown. C. B. McEwan winning cock 1st and 2nd, hen 3rd, cockerel 5th, and pen 1st. Mr. P. W. Doll winning hens 2nd and 5th, cockerels 1st and 4th and specials.

Silver Pencilled Wyandottes all awards to H. Havemeyer.

Columbian Wyandottes a beauty class of 80 birds with birds in very good con-



BEST BY TEST

THE GREEN SHEEN STRAIN

SILVER CAMPINES

"THE HEAVIEST LAYERS OF LARGE WHITE EGGS"



SILVER KING
FIRST COCK-CHICAGO.

SILVER PRINCESS
FIRST PULLET-CHICAGO.

SWEEPSTAKE CHAMPIONS
At the Great Coliseum Show, Chicago

December 12-17, 1913. Among 159 entries, we won

Cockerels, 1st, 3rd, 4th; Cocks, 3rd, 5th; Pullets, 1st, 2nd, 5th;
Hens, 2nd, 3rd; Old Pens, 1st; Young Pens, 1st, 2nd.

We won more prizes than all competitors combined.

The wonderful sire, Silver King, 1st Chicago cock, 1912, headed the 1st Old Pen, and in addition established a world's record. **Ten Cockerels and Pullets** sired by him were awarded ribbons.

FRANK E. HERING
SOUTH BEND, IND.
FANCIER AND BREEDER

HARMON BRADSHAW, Mgr.
LEO BROSMER, Ass't Mgr.

Eggs for Hatching

I will mate eight pens, and guarantee each to be headed by a Chicago 1913 prize winning male. Mating list ready January 1st. Place your order for hatching eggs early, as I am certain I cannot supply the season's demand.

BEST BY TEST

THE GREEN SHEEN STRAIN

BEST BY TEST

dition The Wilburtha Farms, Trenton Jct., N. J., winning cock, 5th, hen 5th, cockerel 1st and 4th, pullet 5th, and pen 2nd, with several specials. Their winning cockerel was a bird of unusual beauty in type, markings and fine head points.

Other winners here were L. A. Ayers, Dr. J. S. Rittenhouse, G. H. Baker, G. E. Nichols, Columbian P. Y., Horseshoe P. Y., etc.

Rhode Island Reds.

We consider that the great classes of Reds were in a measure at least due to the popularity of Judge Hicks, for Mr. Hicks handled these classes before and the breeders have unlimited confidence in him. The Schenley Heights Poultry Farms, Pittsburg, Pa., again made a very clever win here in this great class of 155 single combs by winning cock 2nd, hen 3rd, pullet 1st, pens 1st and 2nd, with specials for best Red shown, best display, etc. The winning pullet was a charmer in color and the best possible form, fine head and well shown. The two winning pens were of the highest quality and so well and evenly mated it was difficult to tell them apart, the males in pen were among the very best in the show, grand birds of highest quality. It was a noble win in a beauty class of birds.

First prize cockerel went to Mr. Ernst Underhill, Morris Plains, N. J., on a wonderful specimen of the richest of color, with choice head, fine wings and tail, and marvelous under-color and with very fine form. We had seen this bird before, and as a great winner in a good show and know him to be one of the kind that is always a good one. Mr. Underhill bred this bird and others like him and has a line of unusual worth, with which we wish him the best of success.

Mr. Ellis S. Shelly, Williamsburg, Pa., one of our old reliable breeders made a choice record by winning hens 1st and 4th, cockerel 7th; we consider that a heap in this class. First hen a charmer of fine form and rich even color.

Mr. E. M. Dutton, Newfane, N. Y., fresh from his great win at the Buffalo, N. Y., show also did fine here, winning cock 1st, and in Rose Combs, pullet 1st and pen 1st.

Other winners in S. C. were Maplecroft Farms, A. S. Bailey, Wyebrook Farm, G. W. Tracy, Gilbert Wright, G. D. Clark, W. M. Gorsuch, M. B. Griffing, Orchard Farm and G. C. Hollister.

In Rose Combs 103 birds were shown, the Schenley Heights Farms winning cock 4th, hen 2nd.

Mr. Lester Tompkins, Concord, Mass., winning cocks 1st and 3rd, hens 3rd, cockerels 3rd and 5th, and pen 2nd. His winning cock was the sensation of the class, a bird of rare type and wonderful color and markings, this line all through showing unusual character and the best of breeding qualities.

Other winners here were Orchard Farms, A. M. Anderson, Wright & McCormick, Jenkins & Park, C. Mackenzie, G. Z. Foland, E. Sachs, J. A. Ferry, S. Smith, etc.

The F. L. Poultry Farm, Verona, Pa., won pullet 5th.

Orpingtons

Buff Orpingtons were one of the banner classes of the show with 173 birds competing, it was a rare class all through with general high grade quality the feature and birds well shown. The winners looked particularly good and others also very fine, but then all can't be winners when but 25 prizes are allowed. The

PALACE
New York Show

Second Edition of Our 1913 Winnings in

S. C. R. I. Reds

They are unbeatable. Competing with the "World's Best" in a class of 155 birds, we won **First Pullet and Special for best Red in Show;** Second Ck.;First, Second Pens; Display and Specials.

At Allentown's Great Show

Our winnings stand as a Show record for at this great 1913 Show with the largest and best entry ever recorded, **we won first cock; first and second hens; first and third cockerels; first pullet; first pen;** first display; $60 cup for best Rhode Island Red; **the sweepstake for best Red male or female,** etc., etc. This is a **modern record** made by our **modern up-to-date line.**

This Stupendous Sweep

Is but a **repetition** of **our last year's winnings** when they led all others at **Philadelphia, Cleveland and Pittsburgh** by winning **13 out of a possible 15 first prizes** competing in the largest and strongest classes of the year. (Look up these records.)

At Phila., Cleveland and Pittsburgh

Our First Prize Cockerel Was Awarded the Championship Sweepstake Special for

The Best Male In The Entire Show

This Record Stands Alone and Unapproached by Any Breeder and of Any Line

Our Allentown winnings prove again we have the winning quality for any show. Having 1,300 youngsters ripening with an evenness of color and highest merit, we are prepared to fill **your wants to your perfect satisfaction** in either old or young. We offer early birds fit to win now. Selected breeding birds mated for best results; a specialty in pens, trios or in larger lots. Write your wants please. It is no trouble to quote you prices and give any desired information.

Schenley Heights Poultry Farm

C. F. Rankin, Proprietor

1202 Commonwealth Bldg. Pittsburgh, Pa.

I Stand on the Record of the Queen Incubator

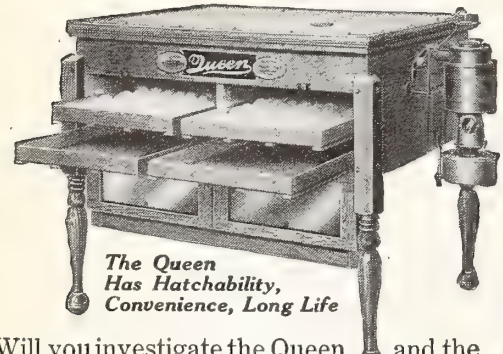
READ the extracts from letters below. What better platform could I have to stand on? These people wrote me voluntarily. They tell of things you are interested in. What you want, above everything else, is a machine that will give you the best possible hatches. You are interested in the great big question of

Read the 5 Short Letters Below



What the Queen Will Do for You

The Queen has not made exceptional records for these few people only. It is doing just as well for thousands of others. It will do as well for you. I guarantee that the Queen Incubator, if you follow my instructions, will give you more livable chicks than any other incubator made—no matter what price it sells for. Livable chicks grow—into money.



The Queen Has Hatchability, Convenience, Long Life

Will you investigate the Queen and the Queen records? If so, let me send you my Poultry Guide and Catalog, free. It tells what many users say, gives names and addresses and is finely illustrated. Write me for it today.

P. M. WICKSTRUM
Queen Incubator Man
Box 4, Lincoln, Neb.

Pratt Food Co.
Eastern Distributer, Philadelphia, Penna.

I hatched 77 chicks out of 83 fertile eggs. The thermometer in the room went down to 28 many nights.
M. E. WEBBER, Winchendon, Mass.

No trouble to run the Queen. I can go to bed and sleep sound, knowing that the Queen will take care of itself.
MRS. J. W. KLINEFELTER, Weiser, Idaho.

I put duck and turkey eggs in my Queen, and a week later put in some chicken eggs. Later I put in some quail eggs. All fertile eggs hatched except one quail and one turkey egg.
MAUDE COLEMAN, Cypress Grove, La.

With my Queen Incubator I out-hatched a $45 machine (other make) last spring by 25 per cent.
CHAS. SUNDBERG, Schaeffer, Mich.

Have just taken off my second hatch this morning. 94 per cent. of fertile eggs, all strong, healthy chicks.
R. GOLDEN, Navasota, Texas.

Joe-Pye Orpington Farms, Norwalk, Conn., again made a record here of which they can well feel proud. They won cocks 1st and 2nd, hens 4th and 6th, cockerels 1st and 5th, pullet 7th, pens 2nd, 3rd and 7th. They also won special for best display, best shaped male and female, best colored male and a medal for best Orpington in the show. Their winning males first cock and first Cockerel were noble birds well worthy of all they received, with nice heads and rare form. They have a sound and even color good to see. Their entire exhibit was one of quality and worth.

Sunswick Poultry Farms had sold for this and other shows, and as Mr. Delafield put it, were just showing the leavings with which they won cock 4th, hens 2nd and 3rd, and pen 4th, the Joe-Pye Cup and other specials.

Here again a new farm, The Lucknow Farm, Darien, Conn., made its first exhibit, winning cock 3rd, hen 1st, cockerel 6th, pullet 1st, and pen 1st, also several specials, including best colored female, and others of worth. This was a classy line of birds with which we wish the owner every success. They also exhibited Leghorns and ducks.

Other winners here were Palmetto P. Y., F. B. Crawford & Co., B. S. Fry, A. Goetting, W. C. Fallon, Hillside Farm, J. R. Seitz, Inglesand P. Y., Nitram Buff Orpington Farms, etc.

For some unknown reason the classes of White and Black Orpingtons were very small. Blue Orpingtons also small, but good birds.

Leghorns.

The S. C. White Leghorns were the banner class of the show. It was one of the two or three best classes we have ever seen brought together, throughout it was one of highest quality and it took the best to win. Judge Punderford handled this great class with rare skill, and to him every credit is due.

The Dune-Alpin Poultry Farms, with a large and wonderful display of quality in every department, won cocks 2nd, 3rd and 4th, hens 1st, 2nd and 5th, cockerels 1st, 2nd and 3rd, pullets 1st, 3rd and 5th, pens 2nd and 3rd. Special mention is due every one of these birds, but as we put this question up to Judge Punderford and he wrote up the class for us, we refer the reader to his report to be found elsewhere in this issue. For ourselves we wish to commend this display, for it was a most worthy one and shown in finest condition.

The Skylands Farms, Sterlington, N. Y., were exhibiting here to help make this class what it was, one of the best ever seen and their birds were a great credit to them, they winning cocks 1st and 5th, hens 4th, cockerels 4th and 5th, and pens 1st and 5th. There were 24 pens competing and to win first in this class was some honor indeed. This pen was grand in mating with all females just alike and with the best possible heads and a beauty male. Here, again, we refer you to the judge's report for a better line on the quality seen.

The Elm Poultry Yards, Hartford, Conn., won second hen and Mr. Stewart Haddock, Poughkeepsie, N. Y., won 4th pullet and 4th pen.

S. C. Brown Leghorns a fair sized class with Rockfellow and Hubbard, New Haven, Conn., winning cock 1st, hens 1st and 2nd, cockerels 1st and 2nd, pullets 2nd and 3rd and pen 1st.

R. C. Browns a large and fine class with general rare quality. The Gale Place Farms, Hampden, Conn., winning

cocks 3rd and 5th, hens 1st and 2nd, cockerels 3rd and 4th, pullets 1st and 3rd and pen 1st.

Other winners here were The Firefly Farm, S. W. Briscoe, B. Coggins, W. Hipkiss, J. Crawford, Maplewood P. Y.

S. C. Buff Leghorns also a very large and fine class with W. F. Lindorff winning cocks 4th and 5th, hens 4th and 5th, cockerels 3rd, pullet 3rd, pens 1st and 2nd.

The Monmouth Farms, Freneau, N. J., showing in young birds, won cockerels 1st and 4th, pullet 1st, and specials.

Royal Farms, cock 1st and cockerel 2nd.

The Lucknow Farms, cock 2nd, hen 3rd, pullet 2nd, pen 3rd.

Dunrobin Farms, Red Bank, N. J., hen 2nd, cockerel 5th.

R. C. Buff Leghorns a very large and fine class with the following winners: A. Grether, F. Bertram, W. J. Peck, H. C. Stender, M. H. Willis.

Minorcas.

The S. C. Black Minorcas were a class of 50 birds with some very good quality seen. The winners were F. W. Silcock, N. J. Cole, Elm Poultry Yards, Stuart & Magee, H. R. Winans, Chas. Bauer, H. H. Lott, J. B. Gotthold and C. F. Morehouse.

R. C. Blacks also a good class with Single and Rose Comb Whites also seen in very fair numbers and nice birds.

Andalusians.

A large class with many very fine specimens in line. The winning cock and cockerel shown by E. D. Bird, birds of finest quality.

Anconas.

There was a great and beauty exhibit of these birds with 115 in line. We had expected a special report on this class but it failed us, and we made no particular notes of our own. The winners were: E. P. Hicks, G. Walz, J. O. Somers, F. W. Mains, W. S. Rathbun, Mrs. A. Guetter, E. C. Loper, U. C. Kay, W. J. Thayer, P. Y. Blythwood.

Campines.

Silver Campines formed a class of 60 birds, and a royal fine lot they were, with the general quality very high.

The Schenley Heights Poultry Farm, Pittsburg, Pa., winning cock 1st, hens 2nd and 3rd, cockerel 1st, pullet 2nd and 5th, and pen 1st.

In Golden Campines these farms won cock 1st and 2nd, pullets 2nd, 3rd and 4th.

Other winners in Silver and Golden were R. D. Reider, Dr. J. C. McPherson, F. Schebe & Sons, J. H. Kales, S. T. Pearson, F. A. Clark, W. J. Trembath, Short & Tripp, W. L. W. Darnell, etc.

Houdans.

A good sized class of grand birds, the winners particularly fine.

Buttercups.

This was a Buttercup show and strange as it may seem this was the largest class in the show with 251 birds exhibited. They say the quality was good, and likely it was, but as we don't claim to be an expert in this line we would not wish to say. There was to our notion little similarity in color or markings, but from what was seen I feel that we can hope for them, as they are in good hands and a little time will no doubt show evenness and give desired results. We wish them well.

Other Varieties.

Hamburgs and Polish were seen in all varieties and in good numbers, making a fine display.

Bantams, a large entry of fine birds in both ornamental and all game varieties.

Ducks and all water fowl, a very large and fine entry, with the best of quality in every variety and class.

Pigeons are favorites here and as usual the display was complete and of a high character.

This entire display, from first to last, was very complete; it was well shown, with birds in rare condition, and we feel the exhibitors are deserving of special comment for their stock, the condition in which it was shown, and for the general good feeling that prevailed between all throughout the entire show.

Secretary Howell and those connected with him did their duty well and the industry has been greatly benefited by the wonderfully fine and beautiful show. It may well be called the Lucky Seventh, but we can now say the Lucky Eighth is already in view and the loyal breeders will again strive to make that greater and better. To this end let us all bend our efforts, for Poultry's sake.

The S. C. White Leghorn Class at the New York Palace Show.

BY J. C. PUNDERFORD, JUDGE.

A small book could be written on this wonderful display, the grand quality and superb condition that was presented to the poultry fraternity at this show; and yet I can sum it all up in a few words, and I am simply voicing the consensus

Use Trapnesting Methods

and produce hens like **"LADY SHOW YOU"** the $800 White Rock formerly owned by J. A. Bickerdike

Mr. Bickerdike has produced many fowls that were blue ribbon stock and has an enviable record among poultry raisers of the East. His stock is noted for both fancy and utility purposes. His latest book,

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will be ready for delivery February first. It is a volume of information compiled from practical experiences gathered by Mr. Bickerdike and carefully portrayed in a simple language for poultry raisers. His success is due to the **Trapnesting** and he will tell you how it is done, besides telling

How to make hens lay in the Winter time when eggs are high; How to feed for eggs and vigor; How the breeding of "Lady Show You" made it easy to sell her for $800. "Lady Show You" is the result of Trapnesting.

This method is being used by thousands of poultry raisers throughout the United States. Whether you are breeding for show or utility, trapnesting is the method you will eventually use for results.

PEDIGREE POULTRY BREEDING

By J. A. BICKERDIKE, explains all these things and many more.

To introduce our Trap to the readers of this journal we will send one of the Bickerdike Traps, complete with directions and right to make and use, together with the book **Pedigree Poultry Breeding** for a limited time for only $1.00. Either ordered separately will be sent, charges prepaid, for $1.00. If you are using a trapnest it will pay you to investigate the Bickerdike Trapnest.

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of opinion of every judge and expert who attended the Palace, that this class was the grandest lot of S. C. White Leghorns ever brought together in this country: 26 cocks, 30 hens, 38 cockerels, 33 pullets and 24 pens; a pretty class numerically, and as to quality I never hope to handle such a superb lot again. The day I judged this class each and every bird was in the pink of condition, and the wonder was that bird after bird showed the expert washing and conditioning in every section. It was truly wonderful. The cock class was a grand lot; first cock finished in every section, fine eye, just a bit off in comb, snow-white and beautifully rounded in breast, with fine concave back and tail fully furnished and a great flow of lesser sickles. Second cock a beauty, but lacking just a bit in tail finish; third cock a grand bird and would have given first cock a close rub, but was lacking badly in wing finish, but it was impossible to place him lower. Fourth and fifth great males. There were many good ones left out, but they lacked finish, which they will have in a few weeks, which would have made them close contenders for honors.

Hen class a beautiful lot. First, a grand old hen which has won the past two years at the Palace; fine type, has beautiful sweep to back, and having sixteen main tail feathers and carried well-spread. Fine head, comb not quite out enough and dead white in plumage. Second hen, lacking only in tail carriage. Third, fourth and fifth hens, beautiful specimens, but not having quite the finish of the first and second.

Cockerel class: Here was a class of clinkers, a class which would do the heart of any Leghorn man good to look at. First cockerel stood out above all others, in fact I think he was the finest cockerel I have ever seen, and this is the opinion of many judges who handled him. The only place this male could be cut was on breast, and he only showed this small defect at odd times. He did not round quite enough, although when judged he carried himself perfectly. Wonderful head, deep bay eye, arched neck and superb back, with great tail carriage and always at the same angle. Well up on his legs and with that racy, alert air, which we so much desire in a male. Second a dandy, but lacking a bit in color and condition; third, the same fault, with fourth and fifth cockerels grand specimens, the fourth lacking a bit in eye and fifth not quite as good in lobe and finish. A great lot were left, some not quite ready and others lacking in minor points, but still of grand quality.

Pullets, a sweet lot, and I have never handled such a class showing the perfect condition and grand head points these females had. First pullet a really wonderful bird in color and type, taking Best Pullet in the show. She was in the pink of condition when judged and showed to perfection. Second a beauty, taking Best Headed Female and Best Shape, but lacked in eye and was just a bit out of condition. Third, fourth and fifth all splendid birds in color, type and finish. This class was a marvel.

Twenty-four pens and the picking was indeed hard, so close did they run. First had the best balanced lot of females I have ever seen, every one conforming in color, type and condition, with wonderful head points. The cockerel was also a beauty, with a grand head and fine sweep to back, with tail fully furnished and deep yellow shanks. Second pen, a grand lot, but one pullet slightly unbalanced the other females by being a bit high on her legs and a little angular. The cockerel in this pen was a grand fellow in every way. Third pen, a great collection, but females not quite as well mated as first and second. Fourth and fifth pens both fine, but males not as choice as the others. Many really grand pens were unplaced on account of not paying close enough attention to the general balance of the females, some being a bit too young and others passed showing, but all of undisputed quality.

We fully realize that there is a certain time when a Leghorn female is at her best and the winning pens contained hens or pullets which had attained the height of perfection.

In closing, all I can say is that it was the misfortune of every Leghorn breeder who did not have a chance to thoroughly inspect this magnificent collection.

NOTE—In this great class of Leghorns we noted special quality and requested Judge Punderford to write this special report to get the exact views of the winners as placed by him for our readers. We believe he did excellent work with this class.—H. P. Schwab.

LYLE'S PARTRIDGE ROCKS

are the kind that will win for **you.** High-class Exhibition Specimens for sale at **very reduced prices.** We are offering our flock at an exceedingly low price on account of having to move. Write for information to

W. O. LYLE & SON, Gnadenhutten, Ohio.

S. C. BUFF LEGHORNS The oldest flock in America. Bred by me 23 years.

COLUMBIAN ROCKS 9 years. Choice lot of stock for sale.

Prices right. Quality right. Write what you want.

J. Quincy Dawson, : Coshocton, Ohio

PREMIER WHITE WYANDOTTES

CHAMPIONS AT CANADA'S GREATEST SHOW, 1913

At the **"Ontario,"** Canada's Madison Square Garden Show (6,000 birds shown), in a class of 259 White Wyandottes, my birds won: Hens, 1st and 7th; Cock, 8th; Cockerels, 2nd, 7th, 8th and 10th (79 competing); Pullets, 2nd, 3rd, 4th, 5th, 6th, 7th and 9th (79 competing); $50.00 Club Silver Challenge Cup and the Bullock Memorial Cup for best Cock, Hen, Cockerel and Pullet. Special for best Hen. Special for best Cockerel and Pullet, Collection, etc., completing a record win of exceptional merit in a wonderful class of quality.

For Sale—Selected stock for exhibition and breeding. Trios and pens mated to produce results a specialty. Write me your wants.

Eggs for Hatching from selected pens mated to produce winners.

SID SAUNDERS - - INGERSOLL, ONT.

CUT CLOVER Any quantity, prompt shipment. Standard Incubators, Brooders and Brooder Stoves for sale or exchange for breeding stock. White Wyandottes, White Plymouth Rocks, White Leghorns, R. I. Reds, Pekin or White I. R. Duck eggs for hatching and Baby Birds for sale, also White Guineas. Write me.

Largest Successful Plant in the World **W. R. Curtiss & Co., Ransomville, N. Y.**

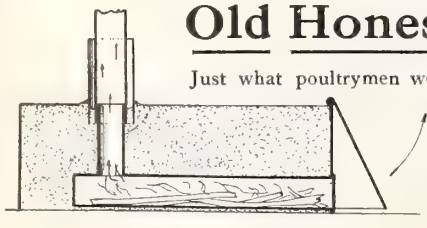


Old Honesty Hatchery

OUR ELEVENTH SEASON—Day-old chicks for sale. Sixteen leading market and egg laying varieties, also strictly utility and show birds. Catalogue free. Prompt replies. Prompt shipment. Mention American Poultry Journal when writing.

G. H. Kichline, Prop., Dept. A, New Washington, O.

Old Honesty Heater Co.



Just what poultrymen were looking for this long time. **A new invention** to get Winter eggs and raise chicks successfully. Patent granted March 26, 1913. Write for circular (free). Tells you all about it.

OLD HONESTY HEATER COMP'Y.
Dept. A New Washington, Ohio

Chick Chats

by A. P. Schwab



A Happy New Year to all and wishes for a prosperous year.

* * *

After all, this life is just what we make it. Make yours an ideal and thereby help to make that of others better and worth while.

* * *

May those now love who never loved before,
And those who always loved, now love the more.

* * *

Bargain seekers don't get rich as often as the bargain sellers.

* * *

It is evident from every point of view that the greatest poultry year ever known is right ahead of us.

* * *

The exhibitions are larger and better than ever, the quality of surpassing value and the breeders full of hope, with buyers ready to pay the price. Sales reported at the shows indicate the growing demand for high class stock and are many times greater than ever known before.

* * *

The increased demand for eggs for hatching is most noticeable also. It is the popular way to improve and to introduce new blood, and no doubt one of the very best.

* * *

The Canadian White Wyandotte Club will soon hold its first exclusive White Wyandotte show. With a large line of cash and special prizes, they expect to make this an annual feature show. Mr. Sid Saunders, Ingersoll, Ont., is the secretary.

* * *

Note Judge J. C. Punderford's report of the S. C. White Leghorns at the Palace, New York, show. It was a large and beauty class well and most satisfactorily handled by Mr. Punderford.

* * *

We lately spent a day with Mr. John S. Martin, Port Dover, Ont., and in our next will tell our readers what the "Regal" White Wyandottes really are, as seen at their home. Since his winnings at the New York State Fair, Mr. Martin has sold over 1,000 birds and still has about 2,500 on hand from which to breed and to sell.

* * *

We have never seen better S. C. Brown Leghorns than those at the shows this year. At Ridgway, Williamsport, New York Palace, Guelph, Buffalo, etc., all had superior classes in numbers and quality.

* * *

President Robert Seaman and Secretary L. D. Howell, backed by a strong association, have placed the Palace New York show in the very front as a classy and most valuable exhibition. Their late show was a wonder in beauty and quality and of exceptional value to the industry.

* * *

The banquet of the Guelph, Ont., Poultry Association, given to the exhibitors at the Winter Fair, was attended by about 200 exhibitors and was an affair of international importance. The speakers included President Moore of the Buffalo Poultry Association, whose address was one of the best efforts we have heard. Messrs. Urban, Baldwin, McNeil and others also spoke, with each side praising the other for the poultry work they are doing.

* * *

Mr. McAlpin of the Dune-Alpin Farms, whose S. C. White Leghorns made such a great record at the Palace New York show, was indeed a pleased man. The success of this line in the hands of Mr. Kerr has been great and worthy.

* * *

"Fleas" are hatching every day and large classes were formed at Williamsport, Buffalo, Guelph, etc. Even Uncle Billy McNeil has joined and was properly branded by Brother Dick Oke, B-S Flea.

* * *

The Williamsport banquet again was a feature of that great show, with Flem Allen as toastmaster, and a dozen eloquent speakers, and with many noted breeders present it was an affair that will long be remembered.

* * *

The Palace New York banquet also had its features. Most prominent were the addresses of Messrs. Cleveland and Howell. These two secretaries of the great New York shows are broad-minded leaders whose example of harmony and faith in one another bids well for the future.

* * *

We spent two days at the Buffalo show.

WHITE FAVEROLLES AND GOLDEN AND SILVER CAMPINES

The product of over 3,000 eggs raised on twenty-five farms. Great bargains for early buyers. Show cockerels of high quality, $5 up.

AUG. D. ARNOLD — BOX 777 — DILLSBURG, PENNSYLVANIA

PROOF that Parks' Strain of Bred-to-Lay Barred Plymouth Rocks are producing the world's phenomenal egg performers.



Mr. O. F. Mittendorff, Lincoln, Ill. hen Liberty Bell, record 271 eggs in one year.
Miss Lillian C. Adams, Boonton, Mo., pen that won Golden Egg cup in Missouri Laying Contest.
Rev. H. W. Hale, Savannah Ga., hen No. 141-B, laid 605 eggs in three years, 229 eggs 3rd year.
J. A. Titus, Popular Ridge, N. Y., flock aggregating 100 averaged 170 eggs.
A. W. Bell, Ogden, Utah, hen Bell laid 101 eggs in 118 consecutive days.
A. E. Waby, Enderby, B. C. Can., pen that won silver cup, International Laying Contest.
Dr. A. Winton, Franklin, N. C. pen of 14 hens averaged 242 eggs in one year.
S. M. Monks, New Hartford, Conn., hen No. 107 laid 236 eggs in one year.
F. W. Mattison, Washington, D. C., hens Narcissus and Iris laid 242 and 238 eggs in one year.
Customer from Buffalo, N. Y. Forgot to sign name. Sends photo. Hen No. 75, record 263 eggs in year.
H. W. Blasey, Pemberville, O., hen No. 9, laid 257 eggs in 329 consecutive days.
Parsons Chicken Ranch, El Paso, Tex., 22 hens with records of from 200 to 245 each.
J. D. Diehl, Wapello, Ia., hen Madam X, 183 eggs in 10 months. Now owned by O. F. Mittendorff.
E. F. Lovell, Jr., Savannah, Ga., sends photo of Anna, laid 70 eggs in 72 consecutive days.
Dr. Vallie Hawkins, Fawn Grove, Pa., pullet commenced laying 4 months, 11 days, 21 eggs 21 days.
P. R. Chaddock, Elgin, Ill. Won Elgin show laying contest beating Chicago by 15 per cent.
D. R. Morgan, Port Allegheny, Pa., Miss Wonder laid 231 eggs in year. Laid 148 eggs in 148 consecutive days.

Get interested in the breed that the Breed Booms don't feaze. Write to any of the above. They breed and perhaps have a little surplus stock of the strain that put the Lay in the Barred Rock Family.

I still have a few pedigreed breeders for foundation stock. Also a fine selection of **Cockerels** at $3 and up. **Cockerel Circular Free.** Am booking orders for Eggs and Chicks. Circulars free. Large 40-page catalog after February 1st.

J. W. PARKS, Box J, ALTOONA, PA.

It was the best ever. Secretary Drevenstedt and those with him have our congratulations; the entry was very large and the decorations appropriate and beautiful. President Moore and Mr. George Urban, Jr., were very much in evidence and the exhibitors a happy and contented lot.

* * *

Over in Canada they refer to Prof. W. R. Graham as "Our Dick." He deserves well of the breeders in general, and his work has brought results the world over, and we highly appreciate him personally.

* * *

Quality tells, and never before more than now. At the late Trenton Fair we saw a fine S. C. Red cockerel placed first for which tempting offers were refused. At the Palace New York Show this same bird won first prize for its owner and breeder, Mr. Ernst Underhill, Morris Plains, N. J.

* * *

W. B. Atherton and J. H. Drevenstedt have locked horns in journalism and their efforts so far are pleasing. The American Fancier and Stock Keeper is the result. If these gentlemen will but produce the equal of the old American Fancier, then every breeder will have good cause to feel real happy again.

* * *

Williams Bros. and Brace, Fullerton, Cal., exhibited a cock and two cockerels of S. C. Brown Leghorns at the Buffalo show and won first cock and second and fifth cockerels, a fine showing for birds traveling thousands of miles. The Mr. Brace of this firm is our old friend, Mr. W. F. Brace, formerly of Victor, N. Y., who for years won at New York and other great shows east and west. We wish him and his associates success.

* * *

Urban Farms, Pine Ridge, Buffalo, N. Y., have a classy line of White Rocks that were again big winners at the Buffalo show, the same as in years past. Black Langshans also are a favorite with Mr. Urban.

* * *

The average man's ambition is to do something he can't.

* * *

Woman is not satisfied to boss ordinary affairs if she can boss the boss.

* * *

The early shows, like Buffalo, Williamsport, Ridgway, etc., are well established and have come to their own. More big breeders are supporting them year by year and they have come to be known as the Sales shows. The sales made this year at Buffalo alone amount to thousands of dollars and Williamsport for years has been noted for sales made.

* * *

Houdans are more popular than ever this year and nice classes have been seen at all shows attended.

* * *

With 213 Barred Rocks at the Palace New York show this class looms up very strong as a compliment to Judge Charlie Welles. The quality was of great value and the winners without exception fit to win any show.

We were pleased to again meet Mr. M. F. Delano (successor to Owen Farms) at the Palace show. He reports doing a big business. Those who know Mr. Delano have a warm place in their hearts for him and wish him every possible success.

* * *

Your place may be a little nook,
But your success will not be slight
If always you can bravely look
Your conscience in the face at night.

* * *

Mr. Albert Vierheller of Pittsburg (breeder of Buff Rocks) had the time of his life at the Williamsport banquet. We hope to see him there as an exhibitor next year. Your speech, Al, won the boys.

* * *

We regretted to miss the Buffalo banquet. The boys say it was on a par with their great show, and we know something of the capabilities of President Moore, Secretary Drevenstedt and the only George Urban, Jr., as entertainers. Hope we may never miss another.

* * *

The Winter Fair at Guelph, Ont., was a most successful affair and with about 6,000 entries in the poultry department. Barred and White Rocks and White Wyandottes were the largest classes, where quality of the very best was seen. Buff Rocks, while not so large in numbers, were a beauty class, as were also all Leghorn and Minorca classes.

* * *

The Canadian breeders are liberal exhibitors on this side of the line and I



CLEAN SWEEP AT ST. LOUIS

Showing at both shows the same week in the one city, we won 9 Firsts and 8 Seconds out of a possible 10 in each class. This record has **never been equalled** in Black Orpington history.

BLUE RIBBON STRAIN

is acknowledged by all to be the best, not only for exhibition, but for egg production and table use. The **Greatest Winter Layers** known. Pens now mated for egg trade. Show birds for any show. Breeding stock in any quantity. Catalogue and Egg circular free.

Blue Ribbon Poultry Farm -:- Box A -:- Columbus, Indiana
BLACK ORPINGTON SPECIALISTS



S.C.White Leghorns

BRED TO LAY — Frost White Strain — BORN TO WIN

The Willows Farm.

WON AT NEW YORK 1911 — WON AT CHICAGO —1913— — WON AT CHICAGO 1912



PRIZE PEN CHICAGO—1913

PRIZE PEN CHICAGO—1913

AGAIN BEAU BRUMMEL I, WINS!

At the Coliseum, Chicago he headed his prize-winning old pen.

HIS SON, BEAU BRUMMEL II

Headed his prize-winning young pen. Blood will tell.

50 COCKERELS FOR SALE

That we guarantee were sired by the great cock-bird or his sons. Also a wonderful selection of hens and pullets.

HATCHING EGGS **$2.50, $3.50 and $5.00 per setting of 15.** Special rates in lots of 100 or more. Fertility guaranteed. Pens mated December 20th. Write for Mating List.

THE WILLOWS FARM, Lock Box 488, South Bend, Indiana

would like to see more of our breeders showing over there with them. They have a great country and are liberal buyers, but to get them we must show them. Bear this in mind for next year.

* * *

The law forbids all lotteries
And games of chance, 'tis said.
Why isn't marriage then tabooed?
It comes under that head.

* * *

Some day the visitors to New York will find a handsome monument erected at the corner of Broadway and 26th street to commemorate a recent event. The inscription will explain all.

* * *

There's life alone in duty done,
And rest alone in striving.

* * *

The great Madison Square Garden show will be on by the time these lines are read. Mr. Cleveland has worked hard and from reports received this promises to be the greatest show ever held.

* * *

Boston follows after Baltimore and both of these are sure to be events of the season. The Boston banquet will be held as usual on Tuesday evening, and as Atherton has promised to muzzle and shackle Hamburg Bill we have agreed to sing a little song entitled, "I'se Agoing to Get Well."

* * *

Looks as if we will soon have another excellent artist on the A. P. J. staff. The Xmas cover of the journal is a beautiful piece of work.

Barred Rocks have a new breeder and exhibitor in J. D. Harcombe, Grand View, N. Y. He landed with a rush at the Palace show and had the real goods with him. Keep it up, Doug.; we want more like you.

* * *

Again we congratulate Mr. Punderford —we have met the missus.

* * *

The annual Barred Rock Club meeting will be held at Indianapolis, Ind., February 2 to 7, 1914. Mr. C. R. Milhouse, secretary. We look for this to be the greatest show of Barred beauties ever held. The special prizes are liberal in cash and cups. Get a list and enter your best.

* * *

Eggs have reached a record price this year never before known and meat is high and going up almost daily. Raise more poultry; prices are bound to keep good and profit is assured.

* * *

How things have changed! The time was when our legislators placed a duty on imported eggs to insure a profit-paying price for eggs to our poultry raisers; but now we find that during the past year we have exported thirteen million dozen of eggs to Canada alone, and that is where the cheap eggs used to come from. What a change!

* * *

It must be evident at this time that the poultry business can't be overdone, for the demand increases faster than the supply, and year by year higher prices are had. With modern methods of raising and growing chicks, profit is assured as never before, so start now and help supply the demand for more and better poultry.

* * *

Start right and you will succeed. The variety you like best will do the best for you. Start with standard-bred stock, for quality and evenness are first in demand and bring the best prices and most profit to you.

* * *

From the most reliable breeders we have the facts that from $1.25 to $1.50 per year per hen is a very low estimate of profit that can be made. These are dependable figures and do not include selling breeders at fancy prices; these profits are within the reach of all that will try.

* * *

Look to the country for a home, with a few acres in fruit and poultry; life will prove a greater satisfaction for you and yours.

* * *

We were pleased to meet Captain Griffin at the Palace show and find him enjoying the best of health. He is still active in the management of the Garden show, and we hope ever will be. We were told that Mr. Crawford was also there, but we regret we missed seeing him.

* * *

The poultry world owes much to these two men, and we will always respect them for what they have done.

WOOLERY FARM WHITE ORPINGTONS

Winning at CHICAGO, National White Orpington Club Show CINCINNATI, INDIANAPOLIS National Fanciers' Club, State Club Meet Columbus, Ga., and Indiana and Illinois State Fairs this season, is sure proof **we can furnish you winners** or **Eggs to produce winners at any show.** We have hundreds of Pure White Orpingtons ready for show NOW. Tell us the show you must win TODAY.

RALPH WOOLERY, MANAGER : : BOX A, BLOOMINGTON, INDIANA

LONGFIELD R.C. REDS

AT THE GREAT CHICAGO COLISEUM SHOW, DECEMBER, 1913

Won 1 Cock; 1, 3 Hen; 1 Old Pen; 3 Young Pen; 5 Pullet; Gold Watch for best display; $10 cash for best mated pen; also shape and color specials on First Hen. In addition to our winnings, W. L. McMillen, who breeds our strain in its purity, won 1 Pullet; 2 Hen and 3 Cock. **Longfield Reds will win for you.** In the past 3 years at this great show we have won 8 firsts (4 times as many as any competitor). **LONGFIELD POULTRY FARM -:- BOX 321 -:- BLUFFTON, INDIANA**

Are You Breeding Chickens for Egg Profit?

If so, get started right and right away, with a pen of PAPE'S SINGLE COMB BLACK MINORCAS



They will produce more LARGE WHITE EGGS with less resistance than any other variety in existence today. Am offering show birds that will win anywhere, breeding stock of the rarest quality and cockerels that will improve any flock at introductory prices.

Just won 1, 2, and 4th cock bird; 1, 2, 3, and 4th hen; 1, 2, and 3 cockerel; 1, 2, 3, and 4th pullet and Best Pen, in hot competition. Am booking "eggs for hatching" orders now. Pens contain larger birds, which show more lustre than during any previous season. Let me know your requirements—will start you on a paying basis. Catalogue is free.

CHARLES G. PAPE -:- BOX B-74 -:- FORT WAYNE, INDIANA

GOLDEN CAMPINES SILVER

At the Great Coliseum Show just held at Chicago, we won on Golden and Silver Campines, in the strongest class ever shown in America, 3 Blues, 2 Seconds, 3 Thirds, 2 Fourths and 1 Fifth.

We are now booking Egg Orders for future delivery

GENSEMER BROS. 161 MAIN ST. CRESTON, OHIO

RED SUSSEX AMERICA'S LATEST IMPORTATION.

Their Fancy and Utility Features—By H. H. Coburn.

RED SUSSEX are now in the limelight on two continents—"The Breed of the Hour." After careful research, we find they have been successfully bred for a number of years in England. To quote Mr. E. W. Bunney (of England, in response to toast) "Red Sussex Poultry is making its way into every country, and not only that, but in foreign parts as well, and he believed they might say they were taking such a lead, that they were fast becoming the most popular breed in this country." Judge Clem Watson says practically the same thing in the "Feathered World." Sussex county is the premier county for Sussex. The great stir they are now making in poultrydom is of recent origin, and this great manifestation of their popularity is due to their own merits, never having had any big promoters. When a new breed begins to make itself felt across the pond, the alert American, who is ever on the job for the latest thing, and something new and entirely different, to satisfy his pleasure and help him grab off the dollars quickly grasped the possibilities of the Red Sussex. So the boom is on, and for a number of years, at least, Red Sussex are a gold mine to those who are wise enough to get in on the ground floor. If any question pertaining to the great poultry industry is asked more than others, is—What is the best breed for an all purpose fowl? And we conscientiously think, that Red Sussex comes as near the correct answer as any breed of given popularity, for in Red Sussex we find the very embodiment of all requirements both from the fancy and utility standpoint. We will first consider them from the fancy angle. Bear in mind they have created a demand for themselves and all nations are awake to the fact. We will begin with their beautiful rich dark red color. S. C. Shape, Hon., Sec. of the English club, also Poultry Instructor of the Agricultural and Horticultural College Uckfield says: "This variety has improved considerably in color during the past year and some fine specimens were staged. One can see how at most of the large shows the real deep Red; such as we see in Sussex cattle, and this is the color we try for—the rich deep red, which will not fade nor grow yellow after the first season showing." There is no under color problem to face, and this means much to the fancier, so dot it down—rich red shading to chestnut hackles striped with glossy, green black—tail medium length and green glossy black—the females are the same dark rich red, tails green black and hackles striped. These sharp black points and especially the hackle striping make them strikingly beautiful and put on the finishing touch. We will next consider the type so decidedly classy and distinctly its own—The English Standard used to read "Cobby Compact," but now calls for graceful erect, showing long back—the back, broad and flat-chest, broad-shanks, short and stout. Comb, single, medium in size fitting closely to head—eyes, bright and full, red or brown in color—lobes, red—wattles medium. If you can conceive a mind picture, you will agree with me as to their striking classy type. Now for the general utility side—The Red Sussex is a large fowl, cocks weighing nine pounds and upward, females, seven pounds. They grow much larger, however. One market fowl breeder in England who resorts to crosses (as is customary in England) to produce weight, says he finds it unnecessary to cross Red Sussex—and breeds them pure—and has made a pair weigh 24 pounds before seven months old. They have the frame to take the meat and they are the quickest grower known to-day, outstripping and surpassing all previous records of other breeds. S. C. Sharpe says, "poultry keepers who breed chickens for early market purposes do not know the Red Sussex sufficiently well, or there would be more male birds used for crossing. I have been introducing this variety in many parts of the country during the last two years to the farmers and small holders, who have mated the cockerels with their ordinary cross bred hens and the chickens proved most successful." He further states that Red Sussex are very good winter layers, which are of good color and uniform in size. Red Sussex being such quick growers makes it possible for pullets to begin laying very young. The flesh of the Sussex is white and white is the color demanded by epicures. Again referring to Mr. E. W. Bunney. He said he could speak from experience as to the general utility of Sussex. It is without doubt the finest table fowl they could possibly rear. To the beginners, or small breeder, who could do more business

Red Sussex Farm

—Importers and Distributors of—

ENGLAND'S BEST RED SUSSEX

Large importation ready for re-shipment March 1st. Red Sussex are the latest demand of the poultry public. Get in on the ground floor and be a Big One. Red Sussex, the best breed, from every angle. The fancier's opportunity. Grand in its distinct type, beautiful in its dark, rich, red color, fine striped hackles, green-black tails, neat single comb, red or brown eyes. Like all English breeds, shanks and skin white. Red Sussex meet every requirement from the utility side—very large, quickest growers, smallest eaters. Epicures favor white meat, Red Sussex can meet their wants. Greatest winter layers of large eggs, uniform in color.

Pullets begin laying very young, and keep it up during severest weather. Red Sussex have come to stay, and head the list in popularity. Be wise and get in on that February importation of England's Best. Booking settings from grand pens—England's Dairy and Palace Show-winning strain, headed by large typy, dark red males, strong in hackle and shape, black points, fine head points, snappy, healthy, vigorous birds; pullets are even lot, in dark rich red, strong in hackles, tail and wings. Hens dark, rich, stay-red color; type and head points the finest. These pens are as even in quality as we could make them.

EGGS $15.00 PER 15 STRAIGHT

Book now, from this ad., and deposit $5 with order.

RED SUSSEX FARM - - MARYSVILLE, MICH.

under present circumstances.—Red Sussex is his opportunity. To the large breeder, who takes them up as a side line—they will bring highest prices, on their repulation already established in the journals and show-room. Referring to Mr. E. W. Bunney for the third time—He says they had kept nearly every breed that could be kept. He had tested Sussex with them and was bound to confess, and to boast, if necessary, that there was no bird that could compete with them as a winter layer. The Sussex poultry club of England was organized nine years ago and now has a membership of over 300. It is the largest club in their country. An American club is being organized, reports from which we will hear of later. There was a goodly number shown at New York, Buffalo and Chicago this year and every available bird will be grabbed up. Here is hoping for all those who wisely adopt Red Sussex.

—o—

THE GREAT WILLIAMSPORT SHOW.

The Sixth Annual Exhibition of the Williamsport, Penn., Poultry Association, the King of the Early Shows—Prominent Breeders Exhibiting—The Great Classes of Barred Rocks, White Wyandottes, Reds, Etc.—The Banquet—Notes of the Breeders, Etc.

Written by H. P. Schwab, Eastern Representative A. P. J.

The Williamsport Poultry Association has held its Sixth Annual Exhibit, which, like each of its predecessors, was "better than the last." For years this has been the one big early show of the East, and we have noted its progress with much interest and with pride as well, for the "boys" are a royal lot, true to themselves and to the industry they so nobly represent. Thanks to their efforts, for in this show there is credit enough for all. That Williamsport awards have a value is evident from the list of noted breeders found exhibiting there, including Mr. Henry D. Riley, the Semswick Poultry Farm (Buff Orpington), R. J. Walden, S. M. Goucher, W. A. Smith, C. F. Webster, E. H. Lichtenwalter, W. F. Presgrave, L. W. Winner, L. W. Maxson, Rose & Tilton, G. J. Hanks, and many others of national reputation as breeders and exhibitors.

The annual banquet is a feature here; with good things to eat and with song and music you are made to feel at home and cannot doubt the sincerity of the welcome extended.

Great and strong classes were seen here in the leading varieties, and particularly in the Rocks, Wyandottes, Orpingtons, Reds, Leghorns, etc. It is a well balanced show of merit, and as in the past we owe our compliments to Secretary Dawson, President Drinkwater, Superintendent Whitehead and all other officers and members, not forgetting Jim Huston, Eddie Gage and Buster Bill Bailey.

The order of the "Flea" held two sessions here and initiated many new members, with Brothers Oke and Bailey doing the heavy work.

The Exhibitors and Their Birds.

Barred Rocks with 142 birds shown were the largest class at the show, and no doubt one of the strongest and best in general quality, Mr. Henry D. Riley, Strafford, Pa., winning cock 3, hen 2, cockerel 1-3, pullet 3, pen 2, cockerel-bred pen 1, cockerel-bred pullet 1-3, and specials. First cockerel was a wonder in barring and color and of exceptional style; first cockerel-bred pen a beauty fit to win any show; male, strong, clear color and barring; females, snappy, choice handlers, and of grand form, with fine eyes and heads.

Mr. S. M. Goucher, Moorestown, N. J., breeder of Barred Rocks and winner for years at prominent shows, won cock 2, hen 4, cockerel 2-5, pullet 1-4, pen 1, cockerel-bred hen 1, cockerel-bred pullet 4, cockerel-bred pen 2, and specials. First pullet a most striking bird with beautiful contrast in barring, fine shape and at her best. First cockerel-bred hen a beauty in type and clean cut, strong barring; this line was well shown.

Mr. Robert J. Walden, Middleburg, Md., has made many records on his line of Barred Rock, but never one of more merit or greater value than here. His winnings were cock 5, hen 1-3, cockerel 4, pullet 2-5, pen 3, pullet pen 1, pullet-bred cock 2-3, pullet-bred cockerel 1-2, cockerel-bred hen 2, pullet 2 and several specials. The winning hen was the gem of the class, finely barred, and of the best of form and condition. Mr. Walden exhibited several beauty pullets, with three of them out of condition, being overheated in express car during shipping. This line of females have been winners at Baltimore, Philadelphia, New York, Hagerstown, and many shows of great worth.

Mr. Jas. T. Huston, Williamsport, Pa., one of the younger breeders, was also exhibiting in this great class and won cock 4, pen 4, pullet-bred cock 1, and specials. This winning cock has made several records and is a most worthy bird.

In White Rocks, Mr. C. F. Webster, Girard, Pa., with his New York champion line, won cock 1-2, hen 1-2, cockerels 1-4, pullet 1-4, and pen 1, making a general clean-up. His first hen won special for best hen in the entire show.

Buff Rocks were a class of 50 fine birds of grand and even quality, E. H. Lichtenwalter, Girard, Pa., winning cock 1, hen 1, cockerel 1-3, pullet 1-2, and pen 1. This line has a record for winning from New York to Chicago.

Mr. R. F. Allen, Williamsport, Pa., was a prominent exhibitor here, winning cock 2-3, hens 2-3-4, pullet 5, pen 2.

Partridge Rocks, a beauty class, with Mr. W. F. Presgrave, Salisbury, Md., winning hen 1-4, cockerel 1-2, pullet 1-2.

S. C. Buff Orpingtons were the best class we have seen at the early shows, with the best of quality evident in every class. The Sunswick Poultry Farm, South Plainfield, N. J., with Mr. Delafield in personal charge, winning cock 2-3, hen 1-2, cockerel 1-2, pullet 2-3, pen 1, and several specials, including special for best pen in the

Carver's Imported Royal Red Sussex won at Chicago 4 FIRSTS

WHITE ORPINGTONS



Remember that

Russell Cave White Orpingtons



Layed more eggs than any other pen of Orpingtons, all varieties competing, at the Missouri National Egg-laying contest, besides winning the cup for the greatest number of eggs during the month of February, against all breeds.

My winnings this year are as follows: The Great Hagerstown Fair, 1st and 3d hen, 1st and 2d cockerel, 1st and 3d pullet, 1st pen—no cock shown—special for the best hen in the show. Augusta Poultry Show: 1st and 2d hen, 1st and 2d cockerel, 3d, 4th and 5th pullet, 1st pen and specials. **Cocks, Hens and Pullets at $5 and up. Express prepaid. Satisfaction guaranteed.**

Russell Cave Poultry Yards, Add. Louis Lee Haggin, Prop., P. O. Box 1025, Lexington, Ky.

show. First cockerel was one of striking beauty. Mr. Delafield has shown many fine ones before, but never one better than his winner here, sound in color and of the best possible type.

Mr. C. H. Drinkwater, Williamsport, won first cock on a noble old winner, and A. H. Renninger first pullet.

In S. C. White Orpingtons, 80 birds were shown, with Mr. John C. Peifer & Son, Danville, Pa., making a clean-up record of cock 1-2-5, hen 1-3-5, cockerels 1-2-3, pullet 1-2, pen 1-2. With this record they won the North American cup and special for winning the greatest number of points at the show.

S. C. White Leghorns were a large class of better-than-usual quality, the cockerels being unusually strong, Louder Bros., South Williamsport, winning cock 1-2-5, hen 1-2-3-5, cockerel 1-2, pullet 2-4, pen 1-2; first cockerel also winning special for best cockerel in the show.

S. C. Reds were nearly 100 strong, and in the main well shown. Here Mr. L. W. Maxson, Scranton, Pa., won cock 1-4-5, hen 1-4-5, cockerel 3-4, pullet 1-2, pens 1-2, and specials. This line is strong in rich red color, free from extremes, and good head points; first cock a bird of exceptional value and both pens as good as we expect to see.

Other prominent winners here were Rose & Tilton, T. E. Seasoltz, Chas. E. Fanning, John Ehringer, B. W. Harding, etc.

White Wyandottes formed a class of 100 birds, and as usual here were well shown, and a hot lot all through, with the leading winners J. R. Heim, J. A. McMahan, Clyde Kemp, C. E. Henninger, R. C. Browning, John R. Sims, Will F. Thomas, E. N. Crumbling, W. W. Bohn, etc.

Buff Wyandottes a rich and beauty class, with L. W. Winner, Milton Springer, G. O. Harman and W. E. Ritter leading winners.

In R. C. Reds, Rose & Tilton, Scranton, Pa., won cock 1, hen 1, cockerel 2, pullet 1-3-4.

S. C. Black Minorcas were not the size class we like to see of this grand old variety, but those shown were of the best quality and the kind to win in any competition. The Metuchen Poultry Farm, Metuchen, N. J., won cock 1-2, hen 1-2, cockerel 1-2, pullet 1-2, pen 1. This line has won for many years at our best shows and their quality as seen here assures their value.

Silver Campines a nice lot, with Mr. E. F. Dean, South Williamsport, winning cock 1, hen 1-2, cockerel 4-5, pullet 1-2, pen 1.

Other prominent winners were G. M. Hebe, M. B. Prutzman, C. A. Konkle, etc.

In Golden Campines, Mr. Dean won all prizes offered, making a clean sweep on a beauty line of birds.

A quality class of Houdans was shown here. These old favorites have many champions in this section.

Anconas also proved their popularity, Mr. Geo. J. Hanks winning cockerel 1-2, pullet 1-2-3-4, hen 2-3-4, pens 1-2. First pullet a beauty; there are few of her equal seen.

Hamburgs, Polish, Cornish and Games were classes well represented, with good quality birds.

Single and Rose Comb Brown Leghorns and S. C. Buff Leghorns were all quality classes. In S. C. Browns the cockerels were of particular merit, the first winner a real beauty.

Bantams, pigeons and a large display of ducks and geese completed this display, which was complete in every department and an exhibit of value and credit to the industry. This association has set its mark high; they strive for and attain big things, and we shall look to their future efforts with every confidence, for they are true and worthy.

PARSONS' S. C. WHITE ORPINGTONS

Winners at *Cleveland,* 1912; twice winners at *Cleveland,* 1913; *Toledo,* 1913. *Show birds* of *exceptional quality.* Also First-Class *Breeders* and *Utility Stock* at *reasonable prices. Grand Pens* mated for egg trade. Limited number of *Baby Chix.* State your wants plainly.

PARSONS' POULTRY PLANT -:- -:- AVON LAKE, OHIO

CLEVELAND'S BUFF ORPINGTONS

WIN AT THE GREAT COLISEUM SHOW, DECEMBER, 1913: First and **Color Special** on old pen. **First** and **Shape Special** on hen. **Second** on cockerel. **Fourth** on young pen, in competition with breeders from United States and Canada.
200 Cocks, Hens, Cockerels and Pullets for sale. Send for mating list, FREE. Ready February 1st.

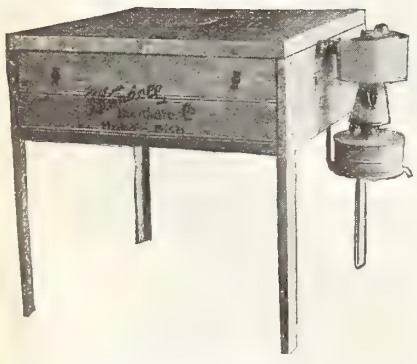
FRANK C. CLEVELAND, -:- MORGAN PARK, ILL.

BUFF ORPINGTONS

WIN AT CINCINNATI, Dec., 1913, four times as many **FIRST PRIZES** as any competitor; all specials offered on Buffs and special for best display of Orpingtons. Our First Prize Sweepstakes Champion Cockerel, **"KING B,"** is undoubtedly the best Buff Orpington that has been produced to date.

It matters not how strong the competition, their correct color, splendid type and size make them easy winners wherever they go. We can furnish winners for any show in the world and eggs that will hatch them. If in need of good stock or eggs, write us.

BRUCE & ABBOTT : : BOX 10 : : WHITELAND, INDIANA



125 Egg Incubator for $6.98

OUR POOR MAN'S FRIEND—GUARANTEED FOR 5 YEARS

and will hatch any egg that any other incubator will hatch. It has **triple wall,** the outside is covered with metal, has the same fixtures that any high-grade incubator has. It is a plain hatcher with no complications. A child can run it. No possible way for it to catch fire from its own lamp. We want you to get our book that tells you all about our incubators and brooders. This incubator can't be equaled for double the price. Think of it—**only $6.98.**

30 to 50 CHICK BROODER, $2.50



The Brooder illustrated, at right, will care for from 30 to 50 chicks. It is all metal and comes to you **all complete for $2.50. Hot Water Circulation** which is positive. Can be put in any ordinary dry goods box in 10 minutes. A warm flannel that is warmed by the water tank above drops on the chick's backs and hovers them like a mother hen.

Send a postal before you forget it and get our big book describing 53 different articles we make for you. Now is the time to get ready for Spring Hatching. **GET YOUR ORDERS IN EARLY.**

WENDELL INCUBATOR CO., 51 Main Street, HOLLY, MICH.

SHOW DATES, 1914

ALABAMA.

Jan. 20-23. Birmingham—Frank Riddle, secretary.

CALIFORNIA.

Jan. 6-13. Los Angeles—Jos. E. Davis, secretary.

CANADA.

Jan. 20-22. Tavistock, Ont.—J. Lemp, secretary.

COLORADO.

Jan. 19-24. Denver—W. C. Shuman, secretary; Tucker, Heimlich, judges.
Jan. 19-24. Montrose—E. Wallace, secretary; Elmer Gimlin, judge.

CONNECTICUT.

Jan. 22-24. Meriden—L. T. Hedeler, secretary; Ives, Wells, Bonfoey, Beebe, judges.
Jan. 27-30. Guilford—P. P. Ives, secretary.

IDAHO.

Jan. 26-31. Boise—Chas. H. Sheppard, secretary.

ILLINOIS.

Jan. 12-17. Rockford—A. E. Lindsay, secretary; Rhoades, judge.
Jan. 13-17. Granville—Dr. H. W. Asche, secretary; W. G. Warnock, judge.
Jan. 19-24. Decatur—E. E. Deetz, secretary; Hicks, Hale, judges.
Jan. 19-24. Havana—L. D. McKinley, secretary; J. J. Klein, judge.
Jan. 26-30. LaFayette—W. M. Bryan, secretary; D. D. Whitaker, judge.
Jan. 20-23. Harvard—L. S. Backus, secretary; A. P. Kaye, judge.
Jan. 21-24. Washington Heights—William J. Zuttermeister, secretary; Heck and Plealin, judges.
Jan. 26-31. Orangeville—S. D. Confer, secretary; T. J. Rountree, judge.
Jan. 27-30. Clinton—T. J. Wilson, secretary; W. S. Russell, judge.
Jan. 28-31. Carterville—J. A. Lauder, secretary; Heimlich, judge.
Feb. 2-7. Belvidere—S. U. Teeple, secretary; G. H. Holden, judge.

INDIANA.

Jan. 19-24. Frankfort—Charles Cue, secretary; Thomas M. Campbell, judge.
Jan. 19-24. Franklin—A. W. Byers, secretary; Bridges, judge.
Jan. 19-24. Peru—W. W. Bowe, secretary; Chas McClave, judge.
Jan. 20-24. Logansport—Chas. M. Euyart, secretary; J. C. Clipp, judge.
Jan. 21-26. Fort Wayne—T. C. Kucher, secretary; Pickett, Hamlin, Faulkner, judges.
Jan. 26-29. Mulberry—J. Frank Smith, secretary; T. M. Campbell, judge.
Jan. 23-30. Muncie—R. M. Allen, secretary.
Jan. 25-31. Greensburg—Roy Privett, secretary; Lanius, Spaugh, Fishel, Boyle, Goyert, Loyd and Strausberger, judges.
Jan. 26-31. La Porte—G. F. Decker, secretary; D. E. Hale, judge.
Jan. 26-30. La Fayette—Harry G. Leslie, secretary; Whitaker, judge.
Jan. 26-31. Elkhart—Geo. Carroll, secretary; Mulinix, Meyers, judges.
Jan. 28-31. Madison—S. G. Boyd, secretary; W. C. Pierce, judge.
Feb. 2-7. Indianapolis—C. R. Milhous, secretary; Pierce, Schwab, Zike, Richardson, Swaim, McClave and Scranton, judges.
Feb. 2-7. South Bend—P. A. Heirmann, secretary; Northrup, judge.

IOWA.

Jan. 15-17. Olathe—F. F. Fitch, secretary.
Feb. 2-7. Burlington—Newton M. Derby, secretary; Russell, Harrison, judges.

KANSAS.

Jan. 20-23. Leavenworth—C. M. Swan, secretary; Shellabargar, judge.

MASSACHUSETTS.

Jan. 22-24. Worcester—W. H. Fitton, secretary.

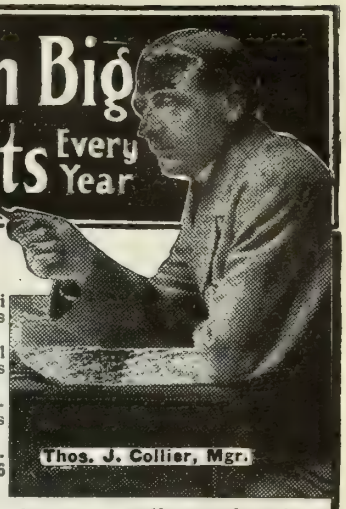
MICHIGAN.

Jan. 17-21. Bay City—A. J. Copeland, secretary; Falkner, Hemenway, judges.
Jan. 19-24. Sturgis—G. H. Glesert, secretary; Geo. Ewald, judge.
Jan. 19-25. Detroit—J. A. Turner, secretary; Falkner, Minshall, Harrison, judges.
Jan. 19-25. Lansing—J. A. Turner, secretary; Harrison, Falkner, Marshall, judges.
Jan. 20-23. Cadillac—C. A. Saunders, secretary, Bonner, judge.
Jan. 27-31. Pontiac—A. D. J. Schimmel, secretary; Tucker, Wise, judges.
Feb. 10-15. Menominee—W. A. Haines, secretary; Wells, Tucker, Harrison, judges.

MINNESOTA.

Jan. 20-24. Bird Island—Paul Kolbe, secretary; A. C. Smith, judge.

Wisconsin Wins In Big Hatching Contests Every Year



Winner 1910-1911-1912-1913

Mrs. J. McMahon, Veedersburg, Ind., won in Missouri Valley Farmer Hatching Contest, hatching 125 chicks from 126 eggs.

Mr. C. B. Armitage, Atwater, Ohio, won in Successful Farming Contest, hatching 181 chicks from 181 eggs in two hatches.

Mrs. J. W. Mize, Vaughn's Mills, Ky., won in Successful Farming Contest, hatching 208 chicks from 209 eggs in two settings.

Mrs. F. H. Lewis, Montrose, Pa., in 1913 won in Successful Farming Contest, getting 96 chicks from 96 eggs in one setting.

These contests were open to all makes regardless of price and prove beyond question that the famous Wisconsin machines are the **best for the money in the world.**

I stand ready to prove to you that Wisconsin Incubators are the best built and best equipped machines in the world for the money. You can't get bigger or better hatchings even if you pay twice the price. I build the outer walls of my incubators of Genuine California Redwood—costing 4 times as much as materials some manufacturers use. If you will write for my catalog, I will gladly mail you a sample of the lumber so you can see the quality and compare it with others. If you do this I know you will order a Wisconsin. One hatch will pay for your machines and more. If you are not perfectly satisfied, simply write me—send the goods back and I'll not only return your money, but pay the freight charges and charge you nothing.



ORDER DIRECT FROM THIS AD

130 Egg Incubator Chick Brooder

Both Machines For Only $10

Freight Paid East of Rockies

You can send in your order direct if you wish and save time. Money back if you are not pleased. I have been advertising in this paper for years. The publishers know me and know that I do just as I agree. I am undoubtedly making the readers of this paper the most remarkable offer on high grade incubators and brooders that has ever appeared in the paper. You take no risk. I give

30 Days Trial and 10-Yr. Guarantee

Why Take Chances

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Find out what an Incubator is made of before you buy.

Write for Free Catalog and we will send you a sample of the Redwood our Incubators are made of.

Wisconsins are bigger, better, more value than ever—no increase in price. Incubators have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under egg tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testers, all set up, ready to use when you get them. Incubators finished in natural colors showing high grade California Redwood lumber used—not painted to cover inferior material. If you will compare our machines with others we will feel sure of your order. Don't buy until you do this—you'll save money—it pays to investigate before you buy. Money back if you are not satisfied.

WISCONSIN INCUBATOR CO., Box 76 , RACINE, WIS.

My 1914 Price Sets a New Standard of Incubator Values

Do not buy an incubator anywhere until you have received my 1914 prices on the good old "Reliable" and the facts about incubators which I will gladly place in your hands. **You can't afford to take chances this year** with costly eggs, in cheaply built machines. **Get the facts.** For over 32 years I've been building the best incubators experience, knowledge, finest materials and workmanship can produce. Experienced poultrymen know the "Reliable." I have established new standards of value in incubators this year which will give **you** better hatches and bigger profits—**not by** making **cheaper quality** but because I have the largest incubator factory in the world. My values this year will be the sensation of the incubator industry.

Get My 1914 Prices—Get the Facts

Get down to brass-tack facts and this incubator question is as simple as A-B-C. No incubator in the world offers so much quality for so small a price as the "Reliable." Let me tell you why the "Reliable" is the safest to buy and why it **insures** you against failure. *Don't take a chance this year.*

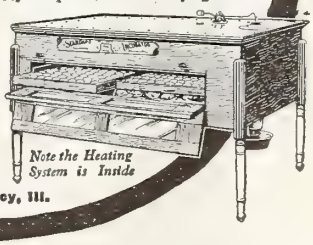
The Reliable Incubator

is made of the best seasoned, beautiful, everlasting Red-Wood, with top and bottom tongued and grooved. Has double heating system throughout, thoroughly insulated—accurate regulator—tanks of cold-rolled builder's copper—all metal safety lamp—metal chimney—government standard tested thermometer, and all thoroughly inspected before shipment. Hatches any egg that can be hatched—in any altitude—regardless of weather.



The Reliable Brooder

is built on the same thorough principle and is of the same excellence of construction as the Reliable Incubator. Either hot air or hot water heating. Four sizes—80—120—220 or 300 chicks.



Note the Heating System is Inside

Send Today for Prices and my big catalog. A postal card brings all.

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Cuts **Grease** and **Soot** From Kettles

One rub with "OLD DUTCH" will prove its marvelous cleaning power. Try it where grease and stains stick.

Does the work in half the time with half the effort.



Don't be without it – 10¢ LARGE CAN

NEBRASKA.

Jan. 19-24. Grand Island—A. H. Smith, secretary; Rhodes, Thompson, Roberts, judges.
Jan. 20-23. Peterborough—George Ames, secretary; C. A. Wheeler, C. A. Ballou, judges.

OHIO.

Jan. 15-18. Cuyahoga Falls—Chas. Gray, secretary; Whitaker, judge.
Jan. 19-24. East Palestine—M. A. Bowles, secretary; Chas. McClave, judge.
Jan. 19-24. Youngstown—Leon Pratt, secretary; J. A. Gault, judge.
Jan. 19-24. Port Clinton—G. T. Conley, secretary.
Jan. 19-24. Pemberville—Henry Withman, secretary; Emch, Taylor, Nash, and Whitaker, judges.
Jan. 19-24. Piqua—George W. Ellerman, secretary; F. L. Platt, judge.
Jan. 19-25. New Waterford—Paul Oberholtzer, secretary; D. D. Whitaker, judge.
Jan. 20-24. Barberton—E. W. Arnold, secretary; H. C. Miller, judge.
Jan. 20-24. Bellaire—C. L. Jensen, secretary; L. G. Cary, judge.
Jan. 21-24. Cambridge—J. C. Sarchet, secretary; Ira Kellar, judge.
Jan. 22-27. Fremont—H. E. Cochran, secretary; James Tucker, judge.
Jan. 26-31. Paulding—G. P. Klinger, secretary; L. C. Taylor, judge.
Jan. 26-31. Upper Sandusky — F. M. Mealy, secretary; L. A. Stream, judge.
Jan. 27-31. Johnstown—H. G. Gorsuch, secretary.
Jan. 27-31. Leipsic—G. L. Clark, secretary; Jas. Corfman, judge.
Jan. 28-31. Zanesville—Frank C. Clester, secretary; George H. Northup, judge.
Feb. 2-7. Eaton—Ora Overholser, secretary; L. C. Taylor, H. E. Eswine, judges.

OKLAHOMA.

Jan. 26-31. Enid—I. W. Scherich, secretary; C. H. Rhodes, C. A. Emory, judges.

PENNSYLVANIA.

Jan. 19-24. Pittsburgh—W. P. Craig, secretary; W. S. Russell, W. C. Pierce, A. Fred Kumner, D. W. Young, Fred H. Cook, A. H. Emch, C. D. Cleveland, L. Rawnsley, G. W. Webb, Theo. Hewes, Marcus Allen Northup, A. J. Edwards, E. F. Baldwin, judges.
Jan. 19-24. Wilkes Barre—E. B. Harris, secretary.
Jan. 27-31. Altoona—H. S. Wertzberger, secretary; A. F. Kummer, O. E. Miles, P. A. Sheid, judges.
Feb. 2-7. Meadville—A. F. Kummer, secretary; G. H. Hilderbrand, judge.
Feb. 3-7. Latrobe—P. H. Saxman, secretary; Koons, judge.

TEXAS.

Jan. 22-24. Marshall—F. S. Riggs, secretary.

VERMONT.

Jan. 20-22. St. Albins—M. D. Jarvis, secretary; D. J. Lambert, D. P. Shove, judges.
Jan. 27-29. Hardwick—Charles D. Balentine, secretary.

WASHINGTON.

Jan. 22-24. Rockford—W. G. Booth, secretary; Oscar Nelson, judge.

WEST VIRGINIA.

Jan. 19-24. Fairmont—C. E. Smith, secretary.
Jan. 26-31. Wheeling—Thomas H. Meek, secretary; Northrup, Auerswald, judges.

WISCONSIN.

Jan. 12-17. Janesville—J. D. King, secretary; Keeler and Roberts, judges.
Jan. 13-16. Platteville—C. E. Gray, secretary, George M. Wells, judge.
Jan. 15-17. Barron—John West, secretary; Hackett, judge.
Jan. 20-24. Superior—W. A. Roycraft, secretary; Geo. W. Hackett, judge.
Jan. 21-25. Green Bay—Elmer Schultz, secretary; Earl Hemenway, judge.
Jan. 23-26. Oshkosh—J. T. Irvine, secretary; George W. Wells, judge.
Jan. 24-29. Beloit—F. M. Walker, secretary; J. M. Rapp, W. H. Laabs, judges.
Jan. 26-30. Manawa—A. C. Lindsay, secretary; W. H. Laabs, judge.
Jan. 27-31. Waukesha—Elmer M. Webb, secretary; J. C. Johnston, judge.
Jan. 28-Feb. 1. Wausau—L. H. Cook, secretary; George W. Hackett, judge.
Jan. 29-Feb. 1. Appleton—W. L. Lamb, secretary; George M. Wells, Charles McClave, judges.
Feb. 2-7. Waterford—H. W. Halbach, secretary; James A. Tucker, judge.
Feb. 9-14. Waupaca—F. A. Houseman, secretary; G. D. Holden, judge.
Feb. 11-15. Sheboygan—Geo. L. Spratt, secretary; Hacket, Borcherdt, judges.

List of Awards.

(Continued from page 98)

1-2-3; W. O. Chase, 4; Wm. Hipkiss, 5.

Exhibition Pens—W. H. C. Chambre, 1; R. C. & R. L. Conolly, 2; W. O. Chase, 3-4.

Pullet-Bred Cocks—R. C. & R. L. Conolly, 1.

Pullet-Bred Cockerels—W. H. C. Chambre, 1-3; W. O. Chase, 2-4; R. C. & R. L. Conolly, 5.

Cockerel Bred-Hens—W. O. Chase, 1; Albert Yoder, 2; R. C. & R. L. Conolly, 3-4.

Cockerel-Bred Pullets—R. C. & R. L. Conolly, 1-2.

Pullet-Bred Pens—W. H. C. Chambre, 1; R. C. & R. L. Conolly, 2; W. O. Chase, 3.

Cockerel-Bred Pens—R. C. & R. L. Conolly, 1-2; W. O. Chase, 3.

S. C. WHITE LEGHORNS.

Cocks—Flanders White Leghorn Farm, 1-3-4-5; Harry A. Muntz, 2.

Hens—Flanders White Leghorn Farm, 1-3; Eugene C. Smith, 2; Pabst Stock Farm, 4; Harry A. Muntz, 5.

Cockerels—Flanders White Leghorn Farm, 1-3-4; Harry A. Muntz, 2; N. P. Easling, 5.

Pullets—Pabst Stock Farm, 1; G. J. Gerber, 2; Eugene C. Smith, 3; Harry A. Muntz, 4; Studebaker Farm, 5.

Old Pens—Flanders White Leghorn Farm, 1; N. P. Easling, 2; The Willows Farm, 3; G. J. Gerber, 4.

Young Pens—Flanders White Leghorn Farm, 1; G. J. Gerber, 2; Fred W. Zipf, 3; The Willows Farm, 4; Studebaker Farm, 5.

R. C. WHITE LEGHORNS.

Cocks—Geo. A. Rigler, 1; Morgan Bros., 2-3-4.

Hens—Geo. A. Rigler, 1-2; Morgan Bros., 3-4-5.

Cockerels—Geo. A. Rigler, 1-2-3; Morgan Bros., 4-5.

Pullets—Geo. A. Rigler, 1-2-3; Morgan Bros., 4; L. H. Householder, 5.

Old Pens—Morgan Bros., 1.

S. C. BUFF LEGHORNS.

Cocks—Dr. E. S. Landis, 1; J. R. Eriser, 2.

Hens—Lea M. Munger, 1; O. S. Wright, 2; J. R. Eriser, 3-4; James Sylvester, 5.

Cockerels—James Sylvester, 1-2; Dr. E. S. Landis, 3; J. R. Eriser, 4; O. C. Wright, 5.

Pullets—J. R. Eriser, 1-3; O. C. Wright, 2-4; Lea M. Munger, 5.

Old Pen—O. C. Wright, 1.

Young Pen—H. Lester Farnum, 1; James Sylvester, 2; Joseph Burrows, 3; O. C. Wright, 4; Lea M. Munger, 5.

R. C. BUFF LEGHORNS.

Cocks—Geo. F. Hoffman, 1; Wm. J. Coleman, 2; Frank L. Morris, 3-4; Anton Kakuska, 5.

Hens—Frank L. Morris, 1-3; Geo. F. Hoffman, 2; Anton Kakuska, 4.

Cockerels—H. B. Green, 1; Frank L. Morris, 2-3; Geo. F. Hoffman, 4; Anton Kakuska, 5.

Pullets—Geo. F. Hoffman, 1; Goddard & Tracy, 2; Frank L. Morris, 3-4; H. B. Green, 5.

S. C. BLACK LEGHORNS.

Cock—Mark E. Johnson, 1.

S. C. BLACK MINORCAS.

Cocks—A. Didricksen, 1-3; E. D. Geiger, 2; Riley Denton, 4; Fred C. Gabriel, 5.

Hens—A. Didricksen, 1-3-4; Fred C. Gabriel, 2; E. D. Geiger, 5.

Cockerels—August A. Hartman, 1; Sterling E. Boyer, 2; E. S. Halsinger, 3; A. Didricksen, 4; Fred C. Gabriel, 5.

Pullets—A. Didricksen, 1-2-3; E. D. Geiger, 4; Sterling E. Boyer, 5.

Old Pens—A. Didricksen, 1; August A. Hartman, 2; J. H. Smith, 3; W. O. Chase, 4-5.

Young Pens—J. H. Smith, 1; A. Didricksen, 2.

R. C. BLACK MINORCAS.

Cocks—Ross Swartout, 1-4; Joseph S.

TRETHAWAY'S

Anthracite S. C. Black Minorcas

Are winners for his customers at all the leading shows in America. This year they are better than ever. A few grand specimens in Hens, Cockerels and Pullets for sale. You can always win with Anthracite Minorcas.

ARTHUR TRETHAWAY,

45 Parrish St., - Wilkes Barre, Pa.

S.C. Orpingtons Buff-Black-White Wm H. Moore Chaddsford Pa

EGGS 10¢ EACH

Cochin Bantams Black and Buff Mrs. Wm. H. Moore Chaddsford Pa

BUFF ORPINGTONS

Good layers; prize winners; won silver cup at Beardstown for best pen. Stock, eggs and day-old chicks for sale.

VICTOR L. ADELMANN

Beardstown, - Illinois



DESTROY VERMIN

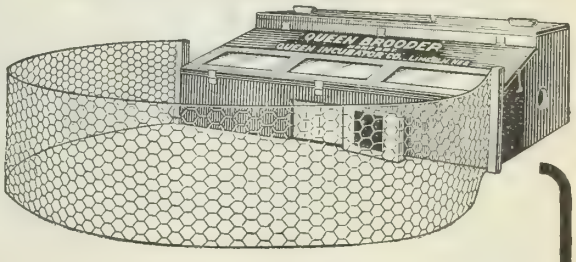
Drop us a post card for our FREE BOOK telling all about our most effective method of killing LICE, ROACHES, BED BUGS, etc. Our method is now in use by over 6,000 hotels and institutions. Write for FREE BOOK. The Insectolene Co., Dept. P, Box 113, Chicago, Ill.

ROSEMONT FARM S. C. BROWN LEGHORNS

The "Queen of Missouri" strain win where quality reigns supreme. Exhibition birds of highest quality bred from my New York, Boston, Kansas City and St. Louis winners. At the State Brown Leghorn Club meeting, held at Chicago, December, 1913, I won 2nd pen on three entries. Write for prices.

ELMER V. SHULTZ **Box 500** **WEBSTER GROVES, MO.**

What % of Chicks Hatched Do You Raise?

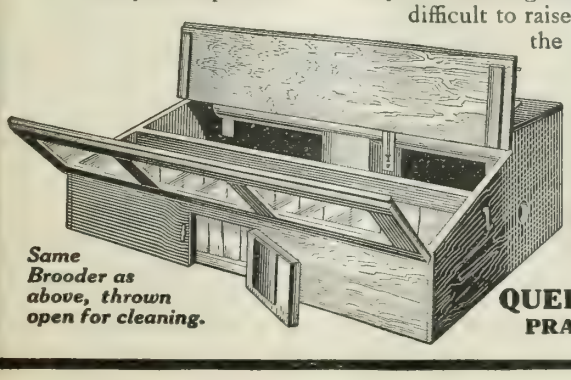


"I hatched 73 chicks from 75 eggs and raised 71 of them in a Queen Brooder."
FRANK C. SPAID, Waukomis, Okla.

The above letter is not an exceptional one. I get dozens of them just as strong. One before me right now says: "With my Queen Incubator and Brooders I hatched between 90 and 95% of all fertile eggs and raised nearly all the chicks—even more than the hens can raise." All the letters tell the story of success and satisfaction with

Queen Indoor and Outdoor Brooders

What is your experience? Are your brooding arrangements satisfactory? Undoubtedly you find it more difficult to raise chicks than to hatch them. A Queen Brooder will solve the problem of chick raising for you. All Queen Brooders, whether indoor or outdoor, lamp-heated or lampless, embody latest brooding principles. They are the result of many years practical experience of successful poultry raisers. The same study, care and fine workmanship that go into Queen Incubators go into the Queen Brooders. You cannot go wrong in the purchase of a Queen Brooder; it is simply a matter of choosing the style. Queen Outdoor Brooders are suited to use indoors, Indoor Brooders can be used outside. Queen catalog shows various styles and sizes of Brooders and a full line of poultry supplies. Write for copy. It's FREE.



Same Brooder as above, thrown open for cleaning.

QUEEN INCUBATOR CO., Box 4, Lincoln, Neb.
PRATT FOOD CO., Eastern Dist'r, Philadelphia, Pa.

Bates, 2; W. O. Chase, 3; H. A. Keister, 5.

Hens—Ross Swartout, 1-4; H. A. Keister, 2; W. O. Chase, 3-5.

Cockerels—H. A. Keister, 1; Ross Swartout, 2-3; O. C. Steingraeber, 4; Joseph S. Bates, 5.

Pullets—H. A. Keister, 1; Ross Swartout, 2-4; Joseph S. Bates, 3; O. C. Steingraeber, 5.

Old Pens—Ross Swartout, 1; W. O. Chase, 2-3.

Young Pens—Ross Swartout, 1.

S. C. WHITE MINORCAS.

Cocks—Black Point Poultry Yards, 1-2; Harry C. Meiselbach, 3.

Hens—Black Point Poultry Yards, 1-3-4; Thomas Brogden, 2; Harry C. Meiselbach, 5.

Cockerels—Black Point Poultry Yards, 1-2-4-5; Thomas Brogden, 3.

Pullets—Black Point Poultry Yards, 1-3-4; Thomas Brogden, 2; Harry C. Meiselbach, 5.

Young Pens—Black Point Poultry Yards, 1; Thomas Brogden, 2; Mrs. I. J. Lorton, 3; Harry C. Meiselbach, 4.

R. C. WHITE MINORCAS.

Cocks—Thomas Brogden, 1-3; Ralph Roudebush, 2.

Hens—Thomas Brogden, 1-2; Ralph Roudebush, 3-4; Harry C. Meiselbach, 5.

Cockerels—Harrison H. Ruth, 1; Thomas Brogden, 2-3.

Pullets—Thomas Brogden, 1-2; Harrison H. Ruth, 3; Ralph Roudebush, 4-5.

Young Pen—Ralph Roudebush, 1.

WHITE FACE BLACK SPANISH.

Cocks—R. A. Rowan, 1-2-3.

Hens—R. A. Rowan, 1-2-3.

Cockerels—R. A. Rowan, 1-2-3-4-5.

Pullets—R. A. Rowan, 1-2-3-4-5.

BLUE ANDALUSIANS.

Cocks—L. C. Taylor, 1-3; Joe J. Plank, 2.

Hens—L. C. Taylor, 1-3; Mrs. L. C. Boggs, 2; Mrs. S. H. Brooks, 4-5.

Cockerels—Mrs. L. C. Boggs, 1; L. C. Taylor, 2.

Pullets—L. C. Taylor, 1-2; Mrs. L. C. Boggs, 3.

Old Pen—Mrs. L. C. Boggs, 1; L. C. Taylor, 2.

Young Pen—Peck & Demlow, 1; Mrs. L. C. Boggs, 2.

S. C. ANCONAS.

Cocks—Cora B. Garbutt, 1; Geo. Blencoe, 2.

Hens—Cora B. Garbutt, 1; P. L. Rigg, 2; Geo. Blencoe, 3; Wm. Crede, 4.

Cockerels—P. L. Rigg, 1-4; Wm. Crede, 2; Wareland Poultry Yards, 3; J. P. Gilbert, 5.

Pullets—Cora B. Garbutt, 1; H. N. Clark, 2; P. L. Rigg, 3; Chas. Hurlburt, 4; Wareland Poultry Yards, 5.

R. C. ANCONAS.

Cockerels—Mark Lewis, 1; J. P. Gilbert, 2.

Pullets—Edward J. Brundage, 1-3; Mark Lewis, 2.

S. C. BUFF ORPINGTONS.

Cocks—Hugh A. Rose, 1-2-5; Roseland Poultry Farm, 3-4.

Hens—Frank C. Cleveland, 1; T. W. Rodgers, 2; Hugh A. Rose, 3; Miss Jessie F. Gordon, 4; Gus Nesland, 5.

Cockerels—Hugh A. Rose, 1-5; Frank C. Cleveland, 2; E. L. Bemis, 3; Miss Jessie F. Gordon, 4.

Pullets—Hugh A. Rose, 1-2-4; G. H. Eddy, 3; P. W. Windle, 5.

Old Pen—Frank C. Cleveland, 1; Roseland Poultry Farm, 2.

Young Pen—T. W. Rodgers, 1; H. B. Fletcher, 2; Hugh A. Rose, 3; Frank C. Cleveland, 4; Roseland Poultry Farm, 5.

S. C. BLACK ORPINGTONS.

Cocks—Robt. H. Wallace, 1; Brackenfield Farms, 2-4; Herrick Poultry Farm, 3; Hugh A. Rose, 5.

Hens—Hugh A. Rose, 1-4; Brackenfield Farms, 2-3-5.

Cockerels—Brackenfield Farms, 1-4; Herrick Poultry Farm, 2; Blue Ribbon Poultry Farm, 3; Robt. H. Wallace, 5.

Pullets—Blue Ribbon Poultry Farm, 1; Hugh A. Rose, 2; Brackenfield Farms, 3; Harold S. Clark, 4; Robt. H. Wallace, 5.

Old Pens—Brackenfield Farms, 1; Blue Ribbon Poultry Farm, 2; Hugh A. Rose, 3.

Young Pen—Hugh A. Rose, 1; Blue Ribbon Poultry Farm, 2; Herrick Poultry Farm, 3; Rosehurst Farm, 4.

S. C. WHITE ORPINGTONS.

Cocks—Aldrich Poultry Farm, 1-3; Ralph Woolery, 2; Jos. H. Fischer, 4; H. J. Bennett, 5.

Hens—G. H. Woolington, 1; Aldrich Poultry Farm, 2-4; H. J. Bennett, 3; Brackenfield Farms, 5.

Cockerels—Aldrich Poultry Farm, 1-2-5; Ralph Woolery, 3; Jos. H. Fischer, 4.

Pullets—Mrs. J. H. Harnley, 1; Ralph Woolery, 2; James J. Cooley, 3; G. H. Woolington, 4; Maplelawn Poultry Farm, 5.

Old Pens—Aldrich Poultry Farm, 1; Iowana Farms, 2; Jos. H. Fischer, 3; Clarence W. Tyler, 4; Brackenfield Farms, 5.

Young Pens—Aldrich Poultry Farm, 1; Iowana Farms, 2; Jos. H. Fischer, 3; The Jack Poultry Farm, 4.

PARTRIDGE ORPINGTONS.

Cocks—Goodacre Bros., 1-2.

Hens—Goodacre Bros., 1-2-3.

Cockerel—Goodacre Bros., 1.

Pullets—Goodacre Bros., 1-2-3.

DARK CORNISH.

Cocks—Dartmore Yards, 1-5; Studebaker Farms, 2; Dr. R. B. Munn, 3-4.

Hens—Studebaker Farms, 1; Dr. R. B. Munn, 2-3; Dartmore Yards, 4-5.

Cockerels—Dartmore Yards, 1; Studebaker Farms, 2; James A. Hales, 3-4; Dr. R. B. Munn, 5.

Pullets—Studebaker Farms 1; Dartmore Yards, 2; James A. Hales, 3-4; Dr. R. B. Munn, 5.

Old Pens—R. B. Munn, M. D., 1.

Young Pen—James A. Hales, 1; R. B. Munn, M. D. 2.

RED SUSSEX.

Hen—Carver's Red Farm, 1.

Cockerels—Carver's Red Farm, 1-2-3-4-5.

Pullets—Carver's Red Farm, 1-2-3-4.

Young Pen—Carver's Red Farm, 1.

WHITE-CRESTED BLACK POLISH.

Cocks—Mrs. Emma Swenson, 1; Frank Kakuska, 2.

Hens—Mrs. Emma Swenson, 1-2; Frank Kakuska, 3; G. M. Bender, 4.

Cockerels—G. M. Bender, 1.

Pullets—Frank Kakuska, 1; G. M. Bender, 2; Chas. Hurlburt, 3.

GOLDEN POLISH.

Cockerel—C. Behensky, 1.

Pullets—C. Behensky, 1-2.

HOUDANS.

Cocks—Harry Gordan, 1; C. J. Lancaster, 2-3.

$8.50 Buys 150-Egg Incubator And 150-Chick Brooder

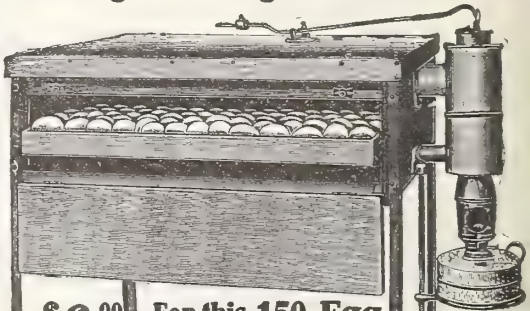
Just Think of It!—Why Pay More?

Here Is the Most Astounding Offer Ever Made for Chicken Raisers

Here is an offer you simply cannot afford to miss. This gives you everything you could want in a reliable hatcher at a price *never* quoted before for a machine fully guaranteed—shipped *ready* to use—no extras to buy. We charge only for actual cost of material and labor with one small profit, and depend upon enormous production.

Low buying prices, our modern factory methods and our direct to you plan cuts the price. Stop! Think of what this means! Where else have you ever heard of such an offer?

The machine has the *best* regulator; dependable thermometer; strong, well built egg trays; all metal safety lamp with bowl stamped out of sheet steel; best lamp bracket; steel legs; best egg tester. Write for this wonderful proposition on



THE ROCKFORD Incubator and Brooder

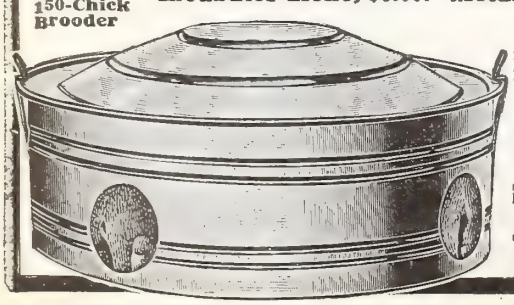
$6.00 For this 150-Egg Incubator

It comes to you all set up (not in knock-down form). Just fasten the legs and lamp bracket and start the hatch.

Money-Back Guarantee

$3.00 for this 150-Chick Brooder

Incubator alone, $6.00. Metal Brooder, $3.00. Both Incubator and Brooder, $8.50



You could not ask for better quality—to pay more is needless.

It is heated with *warm pure* air. Foul or impure air is carried off. No chance for lamp fumes to enter egg chamber. All parts are heated evenly. Side walls and top are made of 1 inch lumber and lined with heavy deadening felt and again lined with ½ inch lumber inside. Heat cannot get out—cold cannot get in—fuel is saved.

The Brooder is water heated—fire proof and weather proof—easily handled.

Write at Once for Full Facts

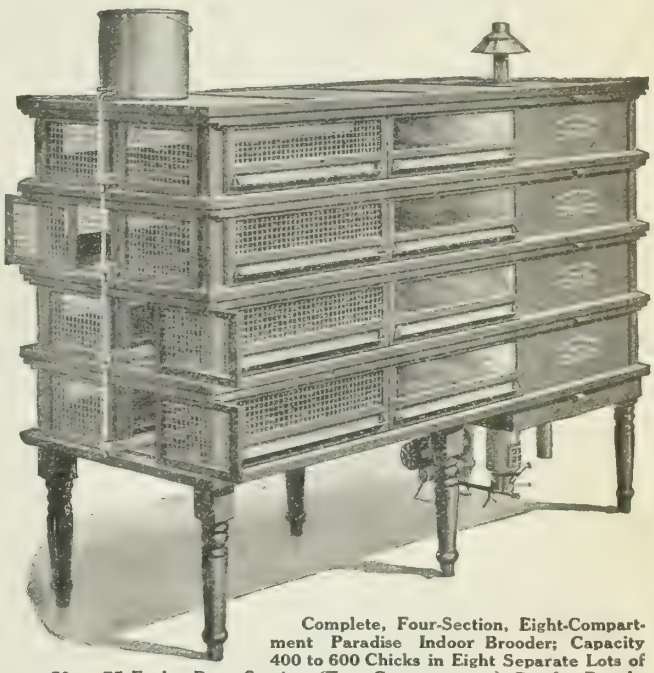
Don't let anything keep you from this remarkable proposition. The quality is so good—the guarantee so strong and the price too low to let anybody miss it. We guarantee the incubator to satisfy you in hatches and also guarantee the metal brooder to raise chicks to satisfy you or we return your money.

Write us at once so we can lay the whole proposition before you. Address—

The Rockford Incubator Co., Box 15 Rockford, Ill.

"EARLY BROILERS AND EARLY FALL LAYERS"

THE BIG, VITAL POINTS in favor of the use of PARADISE BROODERS in the raising of chicks—*especially early chicks,* are, FIRST, no special houses or coops ***are needed*** and chicks can be raised ***in any living room;*** SECOND, the chicks are under ***full control*** of the caretaker ***every minute;*** THIRD, they are ***up off the floor,*** away from cold, ***dangerous drafts;*** FOURTH, they cannot chill, cannot overheat, ***cannot wander away*** and get lost or be destroyed by rats, cats, etc.; FIFTH, by the use of this type of brooder more chicks, ***four times over,*** can be raised with ***safety and success*** in any given amount of room, than by ***any other method*** known to poultrymen; SIXTH, is the money-saving economy of time, labor and fuel—of ***expense in every form.***



Complete, Four-Section, Eight-Compartment Paradise Indoor Brooder; Capacity 400 to 600 Chicks in Eight Separate Lots of 50 to 75 Each. Base Section (Two Compartments) Can be Bought and Used Separately. Later One or More Uppers Can be Added. Heated at all Times by one Blue-Flame Safety Oil Stove.

HERE IS EVIDENCE: Please read the following ***recent sample reports*** from "men who know"—from customers of ours who have bought PARADISE BROODERS and have used them, season after season, with ***chick-saving, money-saving results:***

Valcour, N. Y., February 26, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

The two Paradise Brooders that we purchased last year proved entirely satisfactory and we found that they **almost entirely reduced our losses of baby chicks.** We raised about one thousand chicks successfully, keeping them in these brooders **until they were six or seven weeks old.** We operated our brooders in a living room 13 x 16 feet. The sanitary arrangements in the Paradise Brooders are **excellent**—in fact we do not see how they could be better. We especially like the arrangement for **supplying fresh air** to the chicks at all times, also the ease with which the chicks can be fed and the food troughs kept clean. We shall buy and use more of these brooders next season.

CLOVER CREST FARM,
P. H. BILLINGS, Mgr.

Norwood, Mass., March 1, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I am glad to add my testimony to the success of your Paradise Brooder. I used it last season and **had extremely good results with it,** running about 1,200 chicks through it. My first test was to put 422 chicks in it on March 16th. They were **left there for eight weeks,** at which time I took out 407, losing but fifteen in that time. My Paradise is in a shed 12 x 14 feet, which has single walls of matched boards and stands on posts. It is **not an ideal location** for the brooder, as the changes in temperature are apt to be extreme. In cold weather I have a small coal fire in this room. The Paradise, with its **accessibility, modicum of attention and certainty of results,** was a great relief to me. I have found it to be **altogether the best brooding device I have ever used** and in principle I don't think it ever will be excelled. It is giving me the same good results this season as last.

C. M. JEWETT

Petaluma, Cal., July 14, 1913

Cyphers Incubator Co., Buffalo, N. Y.—

In the spring of 1912 we purchased from your Oakland Branch House one four-section Paradise Brooder, and **had such good results with it** that last winter we **installed three more,** giving us a total capacity of 1,600 chicks at one time. We have **used these brooders continuously** from January until May, brooding about 6,500 chicks **during that time,** with a loss varying from two and one-half to six per cent., the larger loss being met with the late hatches. The Paradise Brooders **are without doubt the very best on the market for taking care of young chicks up to a month old,** and we can highly recommend them to any one wanting brooders. They are **easy to take care of** and the chicks are **before you all the time,** so that you can see what they are doing.

HAMILTON FARMS,
By C. H. HAMILTON

EACH YEAR—every season, we receive reports like these, and we ask ***every interested reader*** of this advertisement to send for a FREE COPY of our latest 1914, large-size circular, which explains and illustrates "When, Where and How to Use Paradise Brooders to Best Advantage." It is free for the asking, sent by us postpaid, and will tell you ***how to raise early broilers,*** with the minimum expense and loss, also how to manage the EARLY CHICKS that are to make next fall's ***earliest layers,*** the kind of pullets that must be relied on to produce October, November and December new-laid eggs that now retail each season at ***four, five and six cents per egg.***

LOOK INTO THESE PROFITS, READER—doing so at our expense, BECAUSE this special Paradise Brooder, early-broiler, fall-layer circular is FREE. All you need to do is to ask for it. Address our place of business nearest you.

Cyphers Incubator Company, Dept. 705 Factory and Home Offices, **Buffalo, N. Y.**

BRANCH STORES AND WAREHOUSES: NEW YORK, N. Y., 41 Barclay St. | BOSTON, MASS., 12-14 Canal St. | CHICAGO, ILL., 329-331 Plymouth Court | KANSAS CITY, MO. 317-319 Southwest Boulevard | OAKLAND, CAL., 2127 Broadway | LONDON, ENGLAND 121-123 Finsbury Pavement

Local Agents Wanted. No Capital Required. Write to Nearest Branch House.

Hens—C. J. Lancaster, 1-3-4-5; Harry Gordan, 2.
Cockerels—Mrs. Amanda F. Preston, 1; C. J. Lancaster, 2-3.
Pullets—C. J. Lancaster, 1-2-3; Mrs. Amanda F. Preston, 4.

SILVER-SPANGLED HAMBURGS.

Cock—H. J. Thake, 1.
Cockerels—F. E. Glover, 1-3; S. H. Petrie, 2.
Pullets—F. E. Glover, 1-2; H. J. Thake, 3-4.

SILVER CAMPINES.

Cocks—C. H. Dickenson, 1; T. J. Rountree, 2; Frank E. Hering, 3-5; Gensemer Bros., 4.
Hens—Studebaker Farms, 1; Frank E. Hering, 2-3; H. E. Pearce & Co., 4; R. H. Cropper, 5.
Cockerels—Frank E. Hering, 1-3-4; W. H. Bushell, 2; Gensemer Bros., 5.
Pullets—Frank E. Hering, 1-2-5; R. H. Cropper, 3-4.
Old Pens—Frank E. Hering, 1.
Young Pens—Frank E. Hering, 1-2; W. H. Bushell, 3; R. H. Cropper, 4; Elmer R. Doubler, 5.

GOLDEN CAMPINES.

Cock—Carver's Red Farm, 1.
Hens—Gensemer Bros., 1; Carver's Red Farm, 2.
Cockerels—Gensemer Bros., 1-3; John G. Kuhlmann, 2.

A 2 BUSHEL FEED HOPPER, ONLY $1.50

I have been manufacturing Feed Hoppers for years, in all sizes, that give perfect satisfaction. To introduce my Hoppers to American Poultry Journal readers, I am making a **special price this month of only $1.50 for the 2 bushel size.** These Hoppers save at least 25 per cent in feed bills. Write for circular.

F. A. RAPPLEYE -:- -:- INTERLAKEN, NEW YORK

LOCAL AGENTS WANTED

Local Agents are wanted at once by us to sell our complete line of Incubators, Brooders, Hovers, Foods, Insecticides, Metal Goods and General Poultry Supplies.

Liberal Cash Discounts Allowed — No Capital Required. Some of our Local Agents make $200 to $350 in the **Three Spring Months** and devote only their spare time to the work. For full particulars, address our place of business nearest you.

CYPHERS INCUBATOR COMPANY, Factory and Home Office, **Buffalo, N.Y.**

Branch Houses: New York, N.Y. 41 Barclay St. | Boston, Mass. 12 Canal St. | Chicago, Ill. 329 Plymouth Court | Kansas City, Mo. 317 Southwest Blvd. | Oakland, Calif. 2127 Broadway

"PITTSBURGH PERFECT" CHICKEN AND RABBIT FENCE

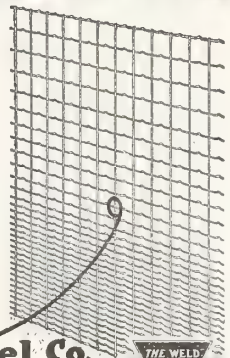
Prepare for the coming *little chicks*, by stringing proper fencing *now*. "Last moment" fence generally proves an expensive "make-shift" and bother.

Seventeen line wires at the bottom of "Pittsburgh Perfect" Chicken and Rabbit Fence are only 1 inch apart—no chick can get through this. The heavy, well galvanized Open Hearth steel wires in the fabric are

Welded by Electricity

at every crossing point into a *one-piece* fence of real strength and durability. Prowling animals are barred out. Easy to erect. No top and bottom boards required. Fewer posts needed. Best looking, most economical and satisfactory fence made.

SOLD BY DEALERS EVERWHERE



Section of Weld Amalgamation Perfect

Our new catalogue is full of fence information. Sent free.



Pittsburgh Steel Co.
Pittsburgh, Pa.

Makers of "Pittsburgh Perfect" Brands of Open Hearth Steel and Wire Products, including all styles and sizes of "Pittsburgh Perfect" Fencing





ATSATT Is The MAN Who PUTS PROFIT into Poultry Raising

IF YOU WANT IT, READ THIS NOW

The practical poultry owner learns by experience. After he has cooked hundreds of chicks in the shell, and got tired of low hatches because of faulty, smoky, bound-to-run-up lamps, he pitches them all out and uses nothing but the **"ZERO" SAFETY INCUBATOR & BROODER LAMP** made on a special Atsatt design. **It's Safe, Clean and Reliable**—Safe because the oil cannot get heated; Clean because it never smokes; Reliable because it cannot run up and the temperature must remain uniform. Notice the double jacket. All metal. Fits any incubator or brooder. At dealers, $1, or mailed anywhere on receipt of 15c extra.

ATSATT'S SANITARY SAFE FOUNTAIN for brooders can't wet or drown chicks, is easily cleansed and filled, holds a quart and fits any brooder. Heavy galvanized iron. Try it and you'll never use any other. 25c at stores, or mailed for 8c extra.



ATSATT'S CHICK FEEDER is the only chick feeder that absolutely stops waste. Lots of room for chicks to get their food, but they can't get into it, stand on top of it, or scratch food out. The top removes instantly for filling and cleansing and springs back into place. Best galvanized iron, so can be used for wet or dry feed or water. 10x4 inches—just right size for brooder. 25c at dealers, mailed on receipt of 8c extra.

We make a full line of metal fountains, feeders and lamps, and every one of them has merits over all similar supplies made by anyone else. Those who try Atsatt's are never satisfied with anything else. They save their cost many times over in a season.



Write us Today for **FREE BOOK** With Illustrations and Prices

ATSATT BROS, 27 Pearl St., Mattapoisett, Mass.

One lamp, fountain and feeder mailed to one address, at one time, for $1.70.

Pullets—Gensemer Bros., 1-2-4; John G. Kuhlmann, 3; Elmer R. Doubler, 5.
Young Pen—Carver's Red Farm, 1; Gensemer Bros., 2-3.

WHITE FAVEROLLES.

Cockerel—C. J. Baker, 1.
Pullets—C. J. Baker, 1-2.

SALMON FAVEROLLES.

Cock—Chas. A. Bartholomew, 1.
Hen—Chas. A. Bartholomew, 1.
Cockerel—Chas. A. Bartholomew, 1.
Pullet—Chas. A. Bartholomew, 1.

CALUMETS.

Hens—Mrs. J. Page, 1-2; J. E. Armstrong, 3.
Cockerels—Mrs. J. Page, 1.
Pullets—Mrs. J. Page, 1-2; J. E. Armstrong, 3-4.

SICILIAN BUTTERCUPS.

Cock—Peterson & Johnson, 1.
Hen—Peterson & Johnson, 1.
Cockerels—Peterson & Johnson, 1; Rev. W. B. Polaczyk, 2; H. W. Court, 3.
Pullets—H. W. Court, 1-2; Peterson & Johnson, 3.

S. C. BLUE ORPINGTONS.

Cocks—Haldie Nicholson, 1; P. A. Fosselmann, 2.
Hens—Haldie Nicholson, 1; P. A. Fosselmann, 2.
Cockerels—Haldie Nicholson, 1; H. N. Hanchett, 2-4; P. A. Fosselman, 3-5.
Pullets—Haldie Nicholson, 1; Dr. W. E. Creath, 2; P. A. Fosselman, 3; H. N. Hanchett, 4-5.

BLACK-BREASTED RED GAME BANTAM.

Cock—D. R. Jolley, 1.
Cockerel—D. R. Jolley, 1.
Pullets—D. R. Jolley, 1-2.

SILVER DUCKWING BANTAM.

Cockerel—D. R. Jolley, 1.
Pullets—D. R. Jolley, 1-2.

RED PYLE GAME BANTAMS.

Cockerels—Fred C. Arthur, 1; D. R. Jolley, 2.
Pullets—D. R. Jolley, 1-2.

WHITE GAME BANTAMS.

Cockerel—D. R. Jolley, 1.
Pullets—D. R. Jolley, 1-2.

GOLDEN SEABRIGHT BANTAMS.

Hen—Raymond J. Christensen, 1.
Cockerel—Alfred Bloese, 1.
Pullets—Alfred Bloese, 1-2.
Young Pen—Fred C. Borchardt, Jr., 1.

ROSE-COMB BLACK BANTAMS.

Cock—A. H. Staat, 1.
Hen—A. H. Staat, 1.

RUMPLES.

Cocks—Wm. Fritz, 1-2.
Hens—Wm. Fritz, 1-2-3-4-5.

BRONZE TURKEYS.

Cocks—Mr. and Mrs. A. Hamilton, 1; J. S. Miles & Son, 2-3-4-5.
Hens—Mr. and Mrs. A. Hamilton, 1; J. S. Miles & Son, 2-3; H. Howard Chafin, 4-5.
Cockerels—J. S. Miles & Son, 1-2; Mr. and Mrs. A. Hamilton, 3-5; H. Howard Chafin, 4.
Pullets—J. S. Miles & Son, 1-5; Mr. and Mrs. A. Hamilton, 2-3-4.

PEKIN DUCKS.

Cocks—Roy Church, 1-2; Riverview Poultry Yards, 3-4-5.
Hens—Black Point Poultry Yards, 1; Riverview Poultry Yards, 2-3-4; Roy C. Church, 5.
Cockerels—Riverview Poultry Yards, 1-3-4-5; Black Point Poultry Yards, 2.
Pullets—Riverview Poultry Yards, 1-2-3-4-5.
Old Pen—Riverview Poultry Yards, 1-2; Maud I. Mathews, 3.
Young Pen—Black Point Poultry Yards, 1; Riverview Poultry Yards, 2-3; Maud I. Mathews, 4.

WHITE INDIAN RUNNER DUCKS.

Cocks—Emma Willard, 1; J. P. Gilbert, 2; Harry Gordan, 3.
Hens—J. P. Gilbert, 1; Harry Gordan, 2.
Cockerels—Geo. S. Kohler, 1; Emma Willard, 2; H. B. Green, 3; Chas. A. Steward, 4; Harry Gordan, 5.
Pullets—Chas. A. Steward, 1; H. B. Green, 2; Emma Willard, 3; Geo. S. Kohler, 4; Harry Gordan, 5.
Young Pen—Chas. A. Stewart, 1.

BUFF ORPINGTON DUCKS.

Cocks—Monarch Yards, 1; E. H. Cook, 2-3.
Hens—Monarch Yards, 1; E. H. Cook, 2-3-4.
Cockerels—Monarch Yards, 1; E. H. Cook, 2-3.
Pullets—E. H. Cook, 1-2-3; Monarch Yards, 4.
Old Pen—Monarch Yards, 1.

Flanders Strain S. C. White Leghorns

VICTORIOUS AT CHICAGO

Just Look at These Winnings:

1st, 3rd, 4th and 5th Cock.
1st, 3rd and 4th Cockerel.
1st and 3rd Hen.
1st Old Pen.
1st Young Pen.
Special for Best Shaped Male.
Special for Best Colored Male.
$50 Silver Cup for Best Display running four times as many points as nearest competitor.
$10 Gold Special for Best Display.
Swiss Gold Watch for Best Exhibit.
And Sweepstakes.

Guess that's going some.

It has taken eight years to make that sensational cleaning at America's greatest show—and against what judges declared was the best class of S. C. White Leghorns ever exhibited this side of the Atlantic.

Eight Years Ago Robert Parmenter, then a student at Knox College, started with a carefully selected trio consisting of a cock and two pullets.

He Had Very Definite Ideas as to what constituted an ideal White Leghorn. He selected his foundation stock and then bred consistently toward his goal.

Parmenter Never Fooled Himself—he never came to a show with a second rate bird hoping to win just because it was his bird. He did the eliminating before he left home. We have today 500 birds that would almost win at Chicago—that would sweep everything before them at most shows. But Parmenter didn't take them to Chicago.

He Began to Win in 1908, and has been one of the most consistent winners every year since. Not a cleaning like this year—but one year he had first hen; another, first cock; again, first pen and cockerel, etc., and from these he has kept on breeding toward his goal.

And This Year showed the culmination—the splendid reward for his years of effort.

About a Year Ago Parmenter formed a connection with Walter E. Flanders, whose farm and herd of thoroughbred Holstein cattle are famous. This gave him a plant built to his heart's desire and range—250 acres of range. The best equipped and one of the largest plants in the world.

Because of The Fame of the Flanders farm and to avoid confusion the name of the strain was changed to "Flanders."

Now You Know the history of this strain, that, by the winnings at Chicago has, in effect, been proclaimed tne leading strain of S. C. White Leghorns in America.

You Can Start where Parmenter left off—you can start with a bird bred from, or that is akin to those perfect ones that won so many honors—that showed such splendid consistency at Chicago.

Next Month we'll publish photographs of the winning birds and our mating lists and prices.

Hold Up Your Orders 'till you see our double-page announcement in next issue.

Meantime, if you want birds guaranteed to win in any company, write

FLANDERS LEGHORN FARM

Robert Parmenter, Mgr. **Orchard Lake, Mich.**

INTERNATIONAL EGG-LAYING CONTEST.

Report for Month Ending November 30, 1913.

THE third annual International Egg-Laying Contest, conducted under the auspices of the Connecticut Agricultural College and the Agricultural Experiment Station, opened November 1 at Storrs, Conn. The birds in this contest numbered 820, not including those pullets sent as reserves or substitutes in case of loss in the competing pen. When the reserves are counted there are more than 900 birds in the competition and all of them are being trapnested. It has not been customary heretofore to furnish the breeder any record of his reserve bird unless she substituted for one of the regulars, and even then the record only began at the time the extra bird went into the regular pen. As it is now, however, the owner gets a complete record of every individual sent to the contest.

These 900 birds have come from twelve different states and from England. Space will not permit a description at this time of every pen in the contest. It is desired, however, to make particular mention of the experimental work which is being conducted in connection with the enterprise and which it is hoped will make the laying competition of more value. In the first place, the Storrs Experiment Station has entered ten pens; five of White Leghorns and five of White Plymouth Rocks. One pen of the Plymouth Rocks is being fed the regular ration given to the birds in the competing pens. The second pen is being fed this same ration with the addition of thick sour skim milk which we will hereafter refer to as the sour milk ration. The third pen of Plymouth Rocks is being fed the sour milk ration without any green food. The fourth pen gets the same ration without any fish or beef scraps, and the last gets the sour milk ration without either beef scraps or green food. The experimental Leghorn pens are being fed in exactly the same way. In other words the experiment is being run in duplicate and the rations tried on two different breeds. The regular ration to which reference has been made is the same as has been used in the earlier contests. The management did not feel warranted in making any radical change in the rations in view of an annual individual production of 154 eggs in the first competition and an average production of 156 eggs for each bird in the second competition. This ration is made up as follows:

DRY MASH.

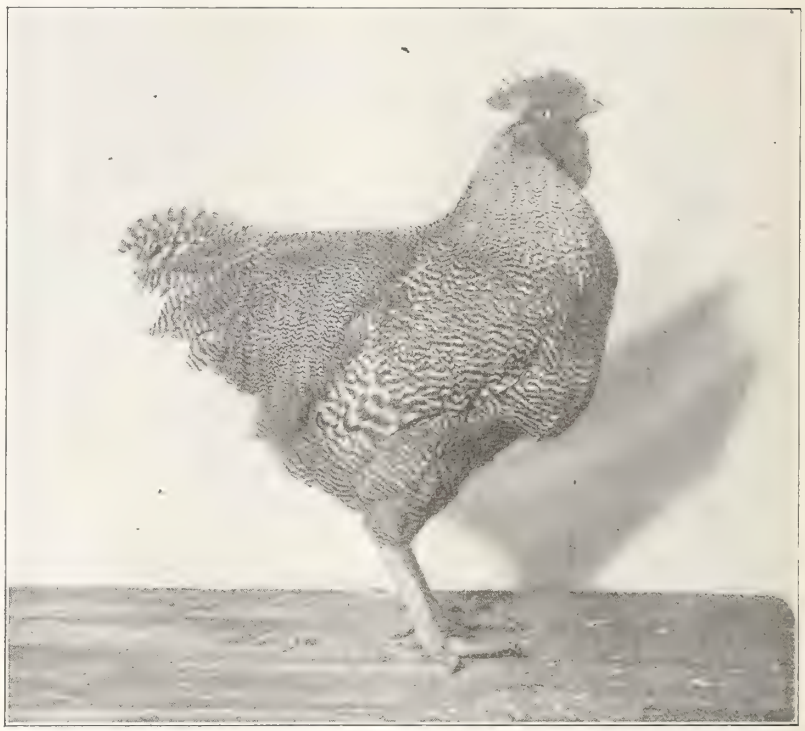
	Lbs.
Coarse wheat bran	200
Cornmeal	100
Gluten feed	100
Ground oats	100
Standard middlings	75
Fish scrap	30
Beef scrap	30
Low grade flour	25

SCRATCH GRAIN.

Cracked corn	60
Wheat	60
Heavy white oats	40
Barley	20
Kafir corn	10
Buckwheat	10
Coarse leaf scrap	10

The Experiment Station here was prompted to try out more or less thoroughly the matter of feeding sour milk to hens because of the tremendous advantage it found in the use of milk for growing healthy chicks and in combatting white diarrhea. The progress of this chick experiment has recently been reported by the Storrs Station in its Bulletin No. 74, and the results of the past season's work along this same line are now being prepared for publication. It is understood, of course, that the experimental pens in the contest do not in any way compete for any of the prizes. On the other hand, it is interesting to note that at close of the first month one of the Leghorn experimental pens was among the ten leading pens. These ten birds were fed as described under No. 4 above. That is to say, they received the sour milk ration without the addition of any beef or fish scraps.

Another particularly interesting pen in the contest is the experimental pen of White Leghorns entered by the Heneta Bone Company. This pen is being fed the Heneta rations strictly, including the Henola mash and the Succulenta tablets.



Yama's "Jack Horner." Headed sixth pen at Madison Square Garden Show, Dec., 1912-13. Second cock, Buffalo, Jan., 1913. Owned by Yama Farms, Napanoch, N. Y.

In addition to these there are five pens entered under the name of "Hens." One of these five is entered by H. W. Collingwood, editor of the Rural New Yorker, who knows nothing about his birds except that they were selected by an expert and were chosen from a large number of birds shipped into New York about the time of the Jewish holidays. These birds were selected on the theory that layers can be picked by type without any knowledge of their previous breeding.

Two pens of "Hens" are entered by Daniel Hines, of Eastford, Conn. Little or nothing is known of the ancestry of these two pens. As the name of the owner might suggest, they have probably been crossed some fifty-seven different ways. The other two pens of "Hens" are all pure bred birds entered by Profitable Poultry, Boston, Mass., but they are not all of the same breed; that is to say, Leghorns, Orpingtons, Plymouth Rocks, etc., are all mixed up together in the same pen.

There are three club pens entered in

TAYLOR'S WHITE ROCKS

The Stay White Strain in keen competition at the Great Ill. State Fair, Oct. 3-11, 1913, won 2d pen; 3d-5th pullet; 4th cock; 5th hen, no cockerel entered. 150 to select your exhibition and breeding stock from.
H. E. TAYLOR, PETERSBURG, ILL.

Single Comb White Leghorns

At the Illinois State Show, 1913, in the keenest competition ever seen at this show, my Leghorns won 1st cockerel; "champion male;" shape and color specials on male; also 3rd cock; 2nd hen; 2nd and 5th pullet; 4th pen. Cockerels of quality from trapnested line bred stock at right prices.
A. D. TAYLOR, : R. 5, Springfield, Ill.

POULTRY PRINTING

STATIONERY, FOLDERS, CATALOGS
1000 Business Cards, $1.50; 500, $1.00; 100, 45c postpaid. All Kinds of printing equally low. Fine cuts used free of charge. Lowest priced printing establishment in America. Complete line of samples and cut catalog of all varietise FREE. RENNEKAMP PRINTING CO., McKEES ROCKS, PA.

The Improved Champion Leg Band



Aluminum only; two sizes; adjustable to fit any fowl. Held by double lock. Can't lose off. Postpaid 12-15c; 25-20c; 50-35c; 100-60c. Initials 10c per 100 extra. 50 or less, 5c. Also Pigeon Bands.



T. CADWALLADER, Box 1402 Salem, Ohio

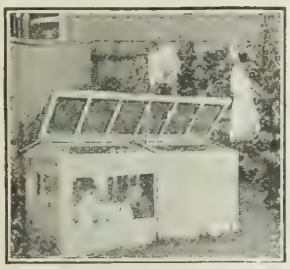
Corning Feed Mixer

The most thorough, quickest. Mash and Grain Mixer made. It whirls the materials around, and back, and forwards, so that every particle is thoroughly mixed. Absolutely no other mixer to compare with the "CORNING" in any way, 3 sizes—HAND POWER, capacity 12 quarts, $15.90; HAND or POWER, capacity one bushel, $50.00; two bushel capacity POWER MIXER, $75.00. Every breeder of any size needs a real mixer, a Corning Mixer. It saves time, feed and money, and gives so much better results from your flock than you can secure in any other way. ILLUSTRATED CATALOGUE FREE. Write today.



WILSON BROS., Dept. C. C., Easton, Pa.

A $ Spent *NOW* May Save You Many



Dear Sir:— Vancouver, B. C., Canada.
We have been trying your System for the past year, and although we only started with six hens and bought all our hatching eggs, we have come out decidedly on the right side at the end of the year, and hope to do very much better next year.
Yours truly,
MRS. W. F. SCOTT.

Dear Sir:— Mt. Hope, N. Y.
I consider the Philo System wonderful in producing results, our chickens being exactly twice the size of those raised by careful neighbor in coops with runs, and the quality of meat is not to be compared.
Very truly yours,
MRS. M. B. MINGAY.

Dear Sir:— Evansville, Ind.
A couple of years ago I adopted the system and can say that it is surely all you claim for it. The chickens grow nicely and the pullets lay early and steady through the winter. Yours truly,
EDGAR L. FENTON.

Dear Sir:— Odenton, Md.
We find that through following your system that we can get eggs while our neighbors are not getting any. We have only eleven pullets but are getting from six to nine eggs per day, while our neighbors have large flocks and no eggs, and are coming to us every day for ours.
Very truly yours,
MRS. A. HEATH.

Dear Sir:— Nashville, Tenn.
I have had your system now for one year and I question if there is anything better for the progressive poultryman. Last February I put 30 day-old chicks in a fireless brooder and had no trouble in raising them.
Yours truly,
PAUL R. ULRICH.

Dear Sir:— Denver, Colo.
I have been using your system for the past nine months and am well pleased with it. I now have five Economy coops and one colony coop. Am raising Orpingtons with success. Yours very truly,
J. M. HOUKE.

Dear Sir:— Marion, Ala.
My birds under your System are weighing two pounds at two months and three pounds at three months. I never could get them up to that when they ran at large, and besides they are as white as puffs of snow. I am highly pleased with my efforts in the use of your system and will never use anything else.
Very truly yours,
CHAS. B. CARTER.

Five New Philo System Bulletins

No. 1. The New Philo Utility Coop.
Reduces labor to the minimum, and has advantages for the poultryman who wishes to keep 50 hens or more. Working drawings and specifications are included.

No. 2. Care and Feeding to Produce Market Eggs at Lowest Cost.
Detailed instructions for preparation of food. Exact quantities to use, when and how to feed, showing how eggs were produced at 7c a dozen.

No. 3. The Shortest Road to a Successful Poultry Business.
Tells the best way to make a start in the poultry business; how to buy stock that will increase in value; the most common mistake, and how to avoid it; how many fowls to keep; the profits to be expected from the utility poultry business.

No. 4. The Philo System Breeding Chart.
This plan is the outgrowth of years of investigation and practice by E. W. Philo.

No. 5. The Greatest Profit from Farm Poultry.
A new plan of farm poultry keeping that reduces the expense of installing and operating from 25 to 50 per cent.

Are you getting the most from your poultry?

Read these letters from other poultry keepers, telling how they have profited from the new System of poultry keeping.

In the past five years thousands of such letters have been received, and

Here is the Reason:

The Philo System is unlike all other ways of keeping poultry, and in many respects is just the reverse, accomplishing things in poultry work that have always been considered impossible, and getting unheard-of results that are hard to believe without seeing.

The new System covers all branches of the work necessary for success from selecting the breeders to marketing the product. It tells how to get eggs that will hatch, how to hatch nearly every egg, and how to raise nearly all the chicks hatched. It gives complete plans in detail how to make everything necessary to run the business, and at less than half the cost required to handle the poultry business in any other manner.

TWO-POUND BROILERS IN EIGHT WEEKS are raised in a space of less than a foot to the broiler, and the broilers are the very best quality, bringing here three cents a pound above the highest market price.

OUR SIX-MONTHS-OLD PULLETS are laying at the rate of twenty-four eggs each per month in a space of two square feet for each bird. No green cut bone of any description is fed, and the food used is inexpensive as compared with the food others are using.

DON'T LET THE CHICKS DIE IN THE SHELL. One of the secrets of success is to save all the chickens that are fully developed at hatching time, whether they can crack the shell or not. It is a simple trick, and believed to be the secret of the ancient Egyptians and Chinese, which enabled them to sell the chicks at ten cents a dozen.

CHICKEN FEED AT 15 CENTS A BUSHEL. Our book tells how to make the best green food with but little trouble, and have a good supply any day in the year, winter or summer. It is just as impossible to get a large egg yield without green food as it is to keep a cow without hay or fodder.

OUR NEW BROODER SAVES TWO CENTS ON EACH CHICKEN. No lamp required. No danger of chilling, overheating, or burning up the chickens as with brooders using lamps or any kind of fire. They also keep all the lice off the chickens automatically, or kill any that may be on them when placed in the brooder. Our book gives full plans, and the right to make and use them. One can easily be made in an hour at a cost of twenty-five to fifty cents.

Our book, "The Philo System of Progressive Poultry Keeping," gives full particulars regarding these wonderful discoveries with simple, easy-to-understand directions that are right to the point. Instructions are given for building the colony coops, and other appliances of the system. For some of these we have U. S. Letters Patent, and patents are pending for others, but purchasrs of the book are given the right to make and use these appliances. This system is especially adapted to the beginner, requiring a very small initial outlay, and admitting of increase as rapidly as the poultry keeper learns the work. It is the small unit plan that expands as readily as the "sectional bookcase." Each season since 1907, thousands of Philo System poultry plants have been established, and are wonderfully successful. Whether you intend to make poultry keeping a business, a recreation, or to provide an addition to the present income, this system will solve your problems. In less than six years, eighteen editions have been printed, nearly half a million copies.

This system will be demonstrated to you, or to anyone, at the Elmira plant of the Philo National Poultry Institute, where over 500 chickens are raised on less than a half acre of land.

THE POULTRY REVIEW

Monthly. A progressive poultry magazine, edited by E. W. Philo, with able assistants. Devoted to the most practical and economical methods of keeping poultry for profit, especially in small flocks or units on city or town lots. The Poultry Review is printed on a poultry farm where the editors have every opportunity to keep in close touch with actual poultry work under all conditions. It is edited for the practical poultryman; no theoretical articles are published, but many theories are carefully tried out in our own yards, and results published in The Review.

A FREE APPROVAL OFFER

You run no risk in finding out for yourself what this book will do for you. Send no money. Simply write a postal saying, "I accept your approval offer," and we will send the book, and one copy of The Poultry Review on approval. After reading the book you can send us $1.00, and we will enter your subscription to Poultry Review one full year—twelve issues—and give the book as a premium, or you can return the book in ten days and no charge will be made.

If you prefer to save us bookkeeping expense, send $1.00 for the book and Review one year, and we will include the set of five Philo System Bulletins. Satisfaction guaranteed or your money back. SEND YOUR ORDER NOW.

E. R. PHILO, Publisher, 701 North Ave., Elmira, N. Y.

this contest, viz., the National Columbian Wyandotte Club, the American Buff Wyandotte Club and the White Laced Red Cornish Club. The first of these, the National Columbian Wyandotte Club, is owned by eleven different breeders residing in the following seven states: Connecticut, Rhode Island, Massachusetts, New York, New Jersey, Pennsylvania and Kentucky. The Buff Wyandotte Club was sent to Storrs from Connecticut, Rhode Island, New Jersey, New York, Ohio and Minnesota.

It was not perhaps unusual nor unexpected to find some few colds among this flock of 900 hens that had come from such widely separated points and had been transferred from heated express cars to chilly station platforms. In view of these facts every precaution has been taken to maintain the excellent health and vigor these birds possessed on arrival. Potassium permanganate has been used in the drinking water from the very first as follows: An ounce or more was dissolved in a quart bottle of water. This was, of course, too strong to give to the hens, but was kept at the source of the water supply. Then as a pail of water was drawn with which to fill the drinking vessels, just enough of the stock solution was added to give the water a good wine color. If colds are already started in one's flock it is a good plan to withhold the "permanganated" water until nearly noon each day; thus the birds being more thirsty, will dip their heads deeper and in this way make the treatment more effective.

Make nests that **show** which hens lay. Superior to any trap nest. Send 25c for plan.

ANDREW DeSMIDT

R. 4, RACINE, WIS.

Miss Hooker's Orpingtons, Blues and Buffs.

The Blue Orpingtons are increasingly popular—great layers and very large, vigorous birds—eggs any time, now—cheaper than later. Good breeding Males for sale.

My Buff Orpingtons, as you know, have a national reputation. Have just received the award of best female in the show—all classes competing. Good breeders for sale, very low in price, considering quality, both in hens and well mated cockerels.

Watch my December show record.

Henrietta E. Hooker, South Hadley, Mass.

MADISON SQ. WINNERS



Over 43 prizes and specials in the Garden. 4 firsts on Rose and first on Single Comb Brown cock in one year.

The two best strains of Browns bred. They win. They are large and lay up to 242 eggs to a pen. Large eggs.

Breeding and show stock. Egg $2, $3 and $5 per 15.

Rose Comb White Leghorns—Large white birds, large eggs, 244 eggs to a pullet best record. Winners.

Single Comb Whites—236-egg strain. Plenty of white low-tailed cockerels.

White Wyandottes — Duston and Regal. Cup winners.

Barred Rocks — Bradley. S. C. Reds — Tompkins. Catalog.

W. W. Kulp, Box 70, Pottstown, Penna.

ALMENDINGER'S ROSE COMB LEGHORNS

White and Black, win at the Greater Buffalo show, 1st and 2d ckls., 1st and 2d hens, 2d cock, 3d and 4th pullets, 3rd pen. Silver cup for best display. Stock for sale. A. F. Almendinger, 61 Inwood Place, Buffalo, New York.

Tom Barron, the English breeder, who has become so widely known in this country on account of the wonderful production of his Leghorns, not only in the egg-laying contest at Storrs but also in the National Egg-Laying Contest at Mountain Grove, Mo., has sent two pens to the present competition; one of White Leghorns and one of White Wyandottes. Neither pen has yet been able to obtain the lead, but both are among the first ten pens. It will be remembered, of course, that his Leghorns won first place with 1,190 eggs in the contest which closed October 31. In regard to these Mr. Barron writes under date of November 17 as follows: "I have got the winners back here again, all right. * * * The birds received are in perfect condition, not a little bit too fat, but just right to make the best breeders for 1914, and I must congratulate you on the feed given these birds—it must be almost perfect."

The blue ribbon, or first prize for the month of November was awarded to Francis F. Lincoln, Mt. Carmel, Conn., whose White Leghorns produced 135 eggs. The red ribbon or second prize for the month was awarded to Neale Bros., Apponaug, R. I., whose White Wyandottes produced 132 eggs. The third prize was awarded to Tom Barron, Catforth, near Preston, England, whose White Wyandottes produced 117 eggs.

The total production of all pens for the month was 2,361 eggs and 80 per cent of the pens are producing some eggs.

Individual honors for the month were shared by the Wyandottes, Reds and Leghorns, with the heavier breeds holding first and second place. The following are the best individual records for the month:

Pen.		Eggs.
14	White Wyandotte, No. 5, England...	23
17	White Wyandotte, No. 6, Rhode Isl.	22
33	R. I. Red, No. 1, Massachusetts.....	22
33	R. I. Red, No. 5, Massachusetts.....	21
17	White Wyandotte, No. 5, Rhode Isl..	21
68	White Leghorn, No. 7, England.....	20

The ten leading pens for the month were as follows:

Francis F. Lincoln, Mt. Carmel, Conn., White Leghorns	135
Neale Bros., Apponaug, R. I., White Wyandottes	132
Tom Barron, Catforth, near Preston, England, White Wyandottes	117
Merrythought Farm, Columbia, Conn., White Wyandottes	96
P. G. Platt, Wallingford, Pa., White Leghorns	77
Pinecrest Orchards, Groton, Mass., S. C. Rhode Island Reds	75
Tom Barron, Catforth, near Preston, England, White Leghorns	73
Chas. N. St. John, Greene, N. Y., White Leghorns	72
Windsweep Farm, Redding Ridge, Conn., White Leghorns	63
Jos. J. Linehan, Hingham, Mass., White Leghorns	61

Railroad Rates for the Panama-Pacific International Exposition.

The Transcontinental Freight Bureau has announced special rates on all live stock to be exhibited at the Panama Pacific International Exposition.



Some young Barred Rocks on the farm of C. N. Myers, Hanover, Pa.

These rates provide that all exhibit animals on which freight rates have been paid to San Francisco shall be returned free of charge provided they are returned over the same route and within ninety days after the close of the Exposition. The rates also provide that on any animals which shall have been sold at the Exposition a rebate of 25 per cent of the freight charges will be made by lines over which the shipment was carried. This is the most liberal concession that has ever been made by the railroads of this country to any great exposition and will afford exhibitors of live stock an opportunity to combine their shipments at some central point like the capital of the state or its chief commercial city and have them carried through to their destination on the exposition ground in San Francisco under the direct charge of the Transportation Department of the Panama-Pacific International Exposition. If such concentrated shipments amount

One 60-Egg

PEERLESS

METAL

INCUBATOR

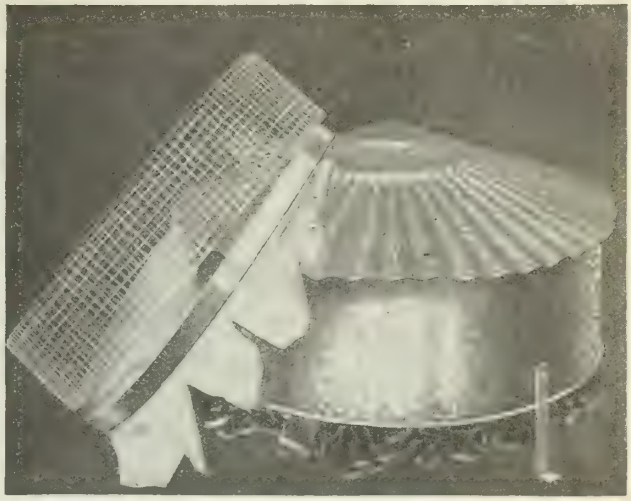
and one

SIMPLEX

PERFECTION METAL FEATHER

BROODER

50 CHICK SIZE



Simplex Perfection Feather Brooder, showing Brooder with Curtain and Rat Guard Removed.

Both Only $10 Never before have you been offered such wonderful values.

The Simplex Perfection Feather Brooder raises chicks nature's way—under natural feathers, no fire, gas, fumes, leg weakness, crowding and smothering of chicks where these Feather Brooders are used.



PEERLESS 60 INCUBATOR

The brooder is made in three sizes: 50, 100 and 150-chick. It is guaranteed to raise strong healthy chicks. The body is made of galvanized iron; the feathers within can be raised and lowered by means of a thmub screw. Each brooder is equipped with a felt curtain and rat guard. It is positively the best fireless, least bothersome, most satisfactory brooder made.

Never before have you been offered such remarkable value.—The Peerless 60 is the latest word in artificial hatching.

The incubator is made in one size only—60 egg capacity; it is guaranteed to hatch every hatchable egg, is made entirely of metal, beautifully enameled, raised off the floor by means of four iron legs. No wood to warp, crack and decay. No complicated fixings, just plain common sense consolidated with modern appliances and 25 years of incubator research.

This is an introductory offer

We want every small and large breeder to take advantage of it and find out how chickens can be hatched and raised with least cost and best results. That's why we are advertising these two indispensable poultry necessities at the rediculously low price of **$10 for the two.** We allow freight charges.

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Don't class these articles as **cheap appliances.** The price is cheap, but quality unexcelled. Get our complete catalog today and find out all about them as well as our other poultry appliances. They are guaranteed to please or money refunded.

SIMPLEX SUPPLY HOUSE, PONTIAX BUILDING, CHICAGO, ILLINOIS

to ten cars or more, special train schedules will be arranged so that rapid transit is assured and animals will come through in the best possible condition. Ocean liners have also granted special concessions in shipments for the benefit of foreign exhibitors, and negotiations now pending when completed will afford the exhibitor the greatest opportunity possible in the cheap, safe and expeditious handling of his live stock.

SOME GOOD OLD VARIETIES.

By Plummer M. McCullough, Mercer, Pa.

WE often think that if some of the old fanciers of thirty or forty years ago could see today the different varieties as they are bred in this country and could also see where some of their old favorites have dropped to, they could hardly believe their own eyes. Those were the days of the Brahmas, the Cochins, the Hamburgs, the exhibition Games and many other old useful as well as beautiful varieties.

The American Dominique was also very popular at that time. Today we see men working themselves to death in making new varieties and new breeds, and while it is perhaps all right, it always looked to me that if they would spend as much time in trying to improve some of the old and tested varieties that we already have they would be much farther ahead. I also believe that the average beginner would do a wise thing if he would take up one of these old varieties instead of taking up something that will take him half a lifetime to get his name properly before the public as a leading breeder. By taking up one of the less popular varieties he could in a couple of years' time be among the leading breeders as far as quantity of stock advertising is concerned. I am quite certain that any intelligent young man could climb to the top much quicker than by taking up a variety that is already very popular

Someone says that the old varieties are not as good as the new varieties. To such people I want to say this—that while many of the new varieties make great records for the first year or two of their existence, they do not by any means hold on to these records year after year. It is my opinion that the old varieties are equally as good as any of the new varieties considering the chance that they have had. For instance, where will you get a better new variety today than the good old American Dominique? If you know of any I would like to hear of them.

As layers the Dominique will hold its own with most any variety—even the Leghorns will be kept very busy if they lay more eggs in a year than the Dominiques. They are a very active fowl and for the farmer will make a splendid fowl, being able to do a lot of foraging. While not as large as the Plymouth Rocks, they will average up with the Wyandottes pretty well and, of course, you will have to admit that they will make fine market fowls with their yellow shanks and skin.

I am glad, indeed, to see that the breeders of this grand old variety are pushing them to the front. They deserve to be more popular, and I hope that the breeders will do all in their power to boost this good old variety along. Every breeder of Dominiques should join the American Dominique Club and coöperate in boosting the Dominique. Not only is the Dominique a good old variety, but there are many others of the old varieties that are worthy of special attention. Take the Hamburgs, of which there are six varieties. Where will you find six more beautiful varieties? Not only are they beautiful, but they are very profitable if properly handled. They are splendid



Columbian Wyandottes

My birds have won more firsts, seconds and thirds during the last three years at Chicago, Minneapolis, St. Paul, and Minnesota State Fair, than all my competitors combined.

GEO. A. KERSTEN

West 52d St. Station, - Minneapolis, Minn.

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The "Famous Jimcrack Strain" have won and have produced winners at our largest shows for years. Their records at Toronto, the Ontario Winter Fair, etc., prove their quality. Stock and eggs for sale. Write for circular.

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We can supply you with Winners and selected Breeders. Headquarters for WORLD'S BEST.

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S. C. R. I. Reds win again at Peoria, Ill., Dec. 6 to 8, in a class of 265 Reds, 2nd Pullet, 3rd Cock, 4th Hen. The best Hen and Pullet in class, four best Pullets, best entry in Reds, and the best entry in show. A good cock bird and some cockerels for sale.

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Hillborn's Columbian Wyandotte Cockerels

From $3.00 up

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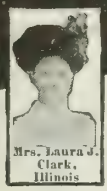
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"TYCOS" CUP won by the Belle City

Write Today for My Free Book "Hatching Facts"—It Means More Money to You

GET the whole story of these Championship hatches with the Belle City. Get the stories of thousands of men and women who are getting 100% perfect hatches. Satisfy yourself. This great book is free. Write for it today. No other incubator made—not even the highest priced—approaches this amazing record of my Belle City. I have the letters of owners to prove it. Many of these letters are printed in this book "Hatching Facts." They tell you how Belle City owners are making *the most money* in the Poultry business. You certainly want this book. A postal gets it.

When You Buy from Me You Get an Exact Duplicate of the Prize Winning

Eight Times World's Champion Belle City

I send you an exact duplicate of the hatching outfit used by Mrs. Alta Hamlyn of Indiana, who joins the Belle City's list of World's Champions with TWO 100% hatches scored by her Belle City Incubator in Successful Farming's 1913 contest. Mrs. Hamlyn says: "I can hatch every fertile egg in my Belle City and regard your honesty the keynote to success." I send you an exact duplicate of the Belle City Hatching Outfit used by William C. Schott of Iowa, who shares the 1913 honors. His 100% hatch, 140 chicks from 140 eggs, won another World's Championship for the Belle City in Successful Farming's 1913 Contest. Mr. Schott writes: "The Belle City is the best incubator made—has given much more satisfaction than high-priced machines." I send you an exact duplicate of the Belle City Outfit used by each of the other world's champions whose pictures appear above.

The Kind "Uncle Sam" Uses

I send you an exact duplicate of the Belle City machines chosen by the U. S. Government. The Department of the Interior is one of my customers. The department asked for prices on 300-egg sized machines, but ordered my 140-egg Belle City machines, because even "Uncle Sam" wants to have Championship hatches, too.

I send you an exact duplicate of the Belle City Hatching Outfits used by leading agricultural colleges.

I send you an exact duplicate of the Belle City Hatching Outfit that won the gold lined silver "Tycos" Cup and the Championship for Mrs. Osman.

A Postal Brings You the Big Portfolio, "Hatching Facts"

In addition to the facts about the 90 to 100 per cent hatches, it tells you how the Eight-Times World's Champion Belle City Hatching Outfit is made—illustrates it in actual colors. Shows that it has every thing worth having in and on an incubator, yet it is the lowest priced.

My Eight-Times World's Champion Bell City Incubator has Oakes double disc self-regulator, correct hot water heating system, copper tank and boiler, safety lamp, double walls and double door and dead air space all over, with roomy nursery and strong egg tray. Of course, the thermometer is right: I use the "Tycos." I also supply egg tester, Edw. Miller sun hinge burner, funnel, everything you need, including valuable instruction book on operating, hatching and care of chicks. The book tells you all about my world famous 140-Chick Belle City Brooder—the only double-walled, hot water, top heat brooder made, guaranteed to raise largest percentage of chicks every time—a fitting companion to my World's Championship Belle City Incubator.



Be sure to write for this book

Ask for My Low Price

I will show you why I can send you my Belle City Hatching Outfit at half or less than half what others cost you! You buy direct from me. You pay no agents' or dealers' profits. I have prepared to build fifty thousand Belle City outfits to supply the demand for this season. This big volume enables me to cut my profit down lower than anybody else can afford to take—and I prepay the freight to all points east of the Rockies and allow it that far to points beyond.

Don't turn this page without either writing to me or else tearing out this advertisement as a reminder. Whether you order or not, you get all my valuable World's Championship "Hatching Facts" absolutely free! But be sure to write to me today. Just say, "Send World's Championship 'Hatching Facts.'" Address Jim Rohan, President.



Belle City Incubator Co.

Box 27 Racine, Wis.

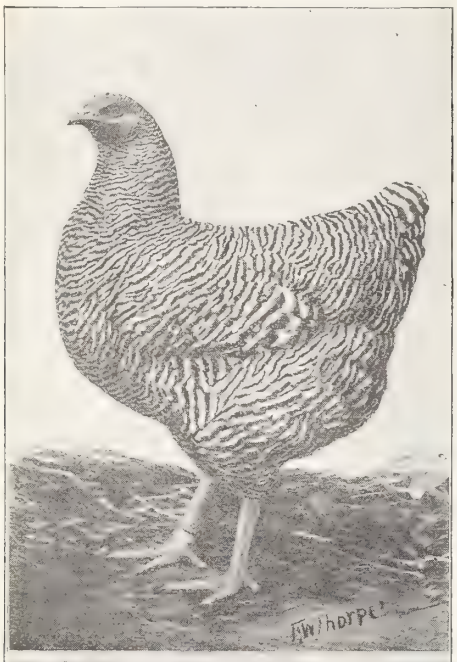
neighborhood that makes more clear money from their flock of farm poultry. The Red Caps are excellent layers of large white eggs and a very beautiful fowl to look at. Anyone taking up the Red Caps and giving them decent care will find them just as good a variety as many of the newer varieties that is talked so much about. I could go on naming a number of other old varieties such as the W. F. Black Spanish, Black Leghorns, Black Wyandottes, Black Javas, Mottled Javas, Silver Duckwing Leghorns, Brahmas, Cochins, Golden Wyandottes and many others which I do not have space to mention. All these are good and worthy varieties, and if the right man would spend some time and money, as well as some business sense, on some of these old varieties, they would repay him many times in return.

It does not seem right to see these old varieties shoved away back out of prominence. They should not be kept in the background forever, and I hope that the breeders of these old standbys will rally to the support of their old favorites and again bring them prominently before the public.

Write about them, tell all about their good qualities, and send this experience to your poultry papers. Let the people know that you are a live wire and that your variety is worth talking about, worth reading about and worth keeping.

Do not wait for someone else to write in about your variety, for if you do you will have a long wait of it; but get busy and help boost your variety yourself. It is just such boosting by such men as Fishel that has helped to put the White Rocks where they are today. It is just such boosting that has put the Barred Rocks where they are today by men like Thompson, Hawkins, Bradley Bros., Latham and a few others. A few men such as J. C. Fishel, A. G. Duston, John Martin, Keeler, Owen Farms and a few others have boosted the White Wyandottes till they are among the most popular varieties of today. Now, why can't you and why don't you help boost your old varieties like these men have theirs? It is chiefly the fault of the breeders that these old varieties have fallen to their present level. Breeders, you can boom some of these old varieties yet if you only will.

It all depends on what you are willing to do for them, so it's up to you.



DOWN TO DATE IN POULTRY CULTURE.

G. R. Smith, Malvern, Pa.

IT IS a business that moves rapidly. The man who keeps up with it must work with wide open eyes. Every year marks a mighty stride forward. Not only adjustment, but readjustment, must be kept constantly in view. Every week of every year some new thing in poultry culture is placed before the public. Many of the new things are eminently worth examining. Some of them are revolutionary in character, and within a few years will change the face of the poultry business of the continent. The man who neglects to note quickly and carefully these new discoveries will soon find himself in the rear. The man who falls in line with this "age tendency" is bound to achieve success. It's a wise man who lays hold upon the findings of genius and adjusts them instantly to his own advantage.

Poultry culture today is a man's job. Yesterday it was a child's play. This year it ranks with many of the giant industries of the continent,—two decades ago it required the courage and the convictions of a reformer to make any large ventures in it. The men who followed closely in the tracks of Watt and Stephenson, Morse and Edison and Marconi, have been the winners of the biggest business prizes during this last and greatest century since the creation of the world. The same principle will hold true in this great modern discovery of poultry culture. Take every tide "at its flood" in this rapidly moving business and its biggest prizes will be yours. Light is dawning from every point of

STANDARD LINE-BRED



First Prize Pen Cock, Chicago

S.C. White Leghorns Exclusively

HAVE YOU ever heard of **PARKSIDE POULTRY FARM**? Parkside Farm is not a rich man's hobby. It is a place where **prize winners** are **bred, hatched, raised** and **sold** to people who cannot raise such birds. I have won **more** prizes at **Chicago** in the last **seven years** than all my competitors combined, and my policy of breeding and raising the birds I show meets with the **universal approval** of all the intelligent breeders who come to me for stock of a quality that will **reproduce themselves in natural pure white color** and the best of **TYPE, SHAPE** and **HEAD POINTS.** I have furnished winners for every show of any note and **my stock is better this year than ever before.**

I have a New Policy for 1914 to announce Feb. 1st

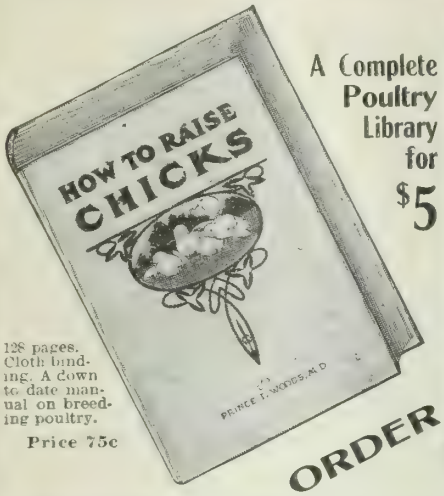
It will greatly interest anybody who breeds **White Leghorns,** and you will miss something if you don't send me your name and address. **Do so now.**

THE PARKSIDE POULTRY FARM

N. P. EASLING, Prop. BOX 40 PEKIN, ILLINOIS

Poultry Books at a Cut Price

A complete list of poultry books that everybody interested in poultry should have. This list is made up to supply the wants of all poultrymen, and covers about every phase of the industry; in fact, it makes almost a complete poultry library, and by taking them all at a cut price you will be well equipped to make a success of this business. The books tell you how to line breed, feed for egg production, reduce your feed bill, mate to produce exhibition birds, prevent and cure diseases, mix a balanced ration, build poultry houses, poultry appliances, etc. Following illustrations show books.

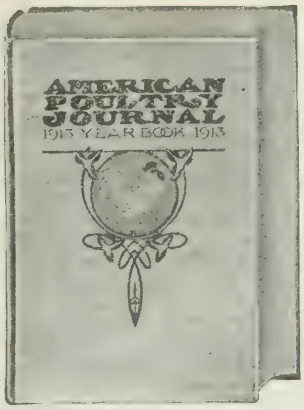


128 pages. Cloth binding. A down to date manual on breeding poultry.

Price 75c

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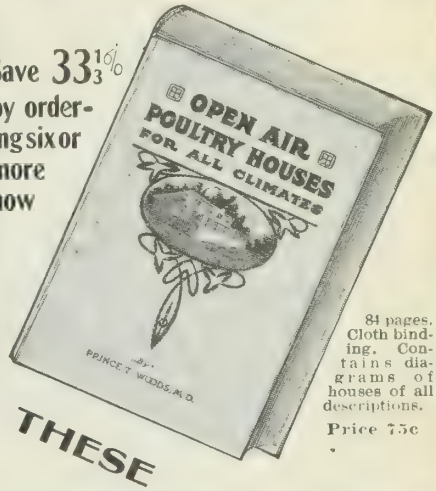
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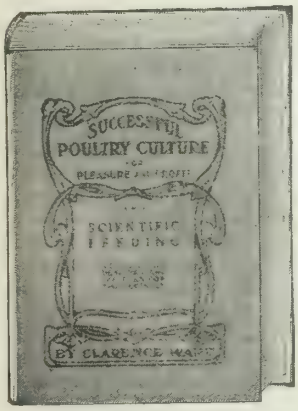
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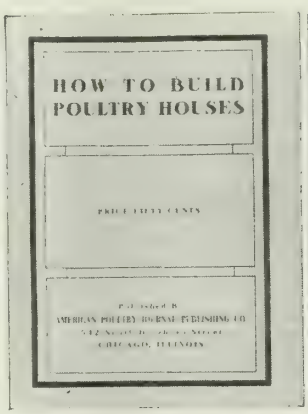


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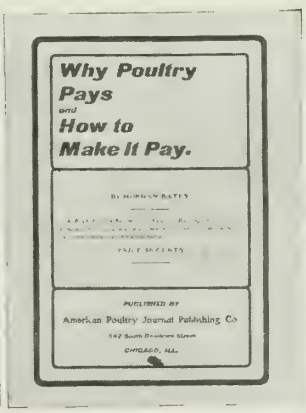
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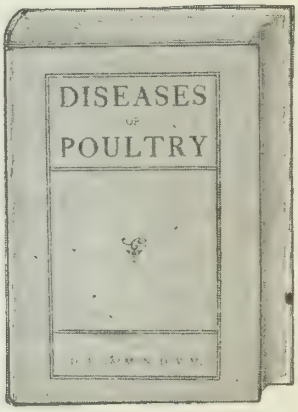
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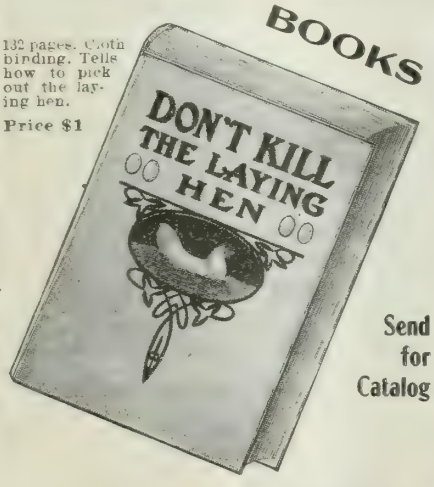


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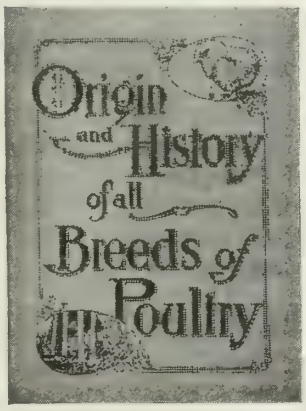
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84 pages. Cloth binding. Written from actual experience by Mr. Sheppard.

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CUT PRICE FOR THE TEN, $5.00. AN AVERAGE OF 50c APIECE.

This is a saving to you of one-third the regular price. If you have one or more of the above books, you can get the balance at one-third off the regular prices by ordering six or more at one time. **No order for less than six accepted at reduced price.** Take advantage of this liberal offer today. If not satisfied with your bargain, return the books and we will return your money.

American Poultry Journal Publishing Co., 542 So. Dearborn Street, Chicago, Illinois

the compass. "Down-to-date" should be the slogan all along the line.

The wisest verdicts from every quarter of the globe are in favor of ample quarters. Give them space! An animal can't do its best in cramped quarters. Fowls go in flocks instinctively; but the flocks must have room sufficient if the best results are to be expected. If you wish to play poultry culture cram a three by four cage full. They will make nice pets and may lay you a few eggs. If you wish to develop a business that will give you a favorable rating, get out into the open. The large things are being done where there is not only an abundance of foot space, but an equal abundance of building space. The poultry farm should mean a poultry farm. The backyard business is interesting; but the down-to-date man knows that he soon gets to the end of that. Room is the first finding for the man who has large things in view.

Things have moved rapidly in this respect. The mammoth hatching machines have revolutionized things recently. A man may hatch a hundred chicks or a hundred thousand. The sitting hen is out of a job with the man who is down-to-date for a big business. She is a thousand times too slow and uncertain. While she is coming to a conclusion as to whether she better, or better not, sit on 13 eggs, the strictly modern poultryman has filled his machines with a hundred or ten hundred, "clutches" of eggs,—and the artificial method is more dependable for results than the natural. Is your brooding system the best that can be found? If not, there is need for re-adjustment. The best chicks in the world will wilt under a defective brooding system. Many a man falls into the pit of failure just here. Do your chicks go "down on their legs?" Once down they never will come up again. They'll be rickety and rheumatic degenerates forever after. It's the brooding that makes them or breaks them. Find out the best and install it,—or the poultry procession will leave you far in the rear this coming season. What about your green food equipment? They must have the green stuff to do the best. To keep you down to date they must do the best. Study "sprouted oats" at close quarters. Nothing better has been found "to date!" Are you houses as well equipped as they ought to be for the most convenient and safe and rapid feeding and watering of the fowls? Better to save one man's work than to save one man's wages. Adjust and readjust till you have perfected a system of efficiency.

Some keep six in a flock, some keep a dozen, some keep fifty, some keep five hundred and some a thousand to fifteen hundred. The man who plans to do the big things must keenly discriminate just here. "There's a difference." Some men have the genius to carve beautiful little faces on cherry pits—others have the larger genius of hewing a colossus out of a rock. The world is in need of men of large mold and of expansive ideals. One who trades in pins must handle a good many if he would keep his business on a paying basis. A chicken is not a large thing. They must be handled by thousands if the largest success is to be realized. The poultryman who is not down to date in his understanding of the different schemes of operation in use by the most successful men in America today is seriously handicapped. Come to an intelligent and definite conclusion as to which scheme of operations is the best; then bring your business as quickly as possible to correspond to your new ideals. Life is short. The curtain of eternity will soon drop. Now is the time to do things.

Do people know that you are doing business? Has the tremendous importance of advertising fully dawned upon you? It must,—or the moss will soon be growing on your back. If you have just the kind of goods that a hundred thousand people want, and only one hundred people know that you have them, you are at a most serious disadvantage in your business. The display ad is king today in every American business worth naming. You must take your chances with the rest. Get the ears and the eyes,—the attention,—of the public, or the other fellows will and you will be left alone with your glory. You may have just as good goods as another man; but if he cultivates his advertising abilities, while you neglect yours, he will win hundreds while you are winning tens. He is "down-to-date." You are not.

They must be at your command. The "front line" man must be able to consult the highest authorities on any important phase of his business within thirty minutes any time of day or night, winter or summer. A six-foot shelf of books is worth as much as a sixty-foot hen house to any poultryman who has a large program of achievement before him. Half a dozen of the biggest and best poultry journals from as many different sections of the country should come to his office regularly and be read studiously. His library should be growing every month. His standing as an authority on all poultry subjects should grow daily. The times demand it. Competition is relentless. Brawn may win in the prize-ring; but brains must win in this business. Science in poultry culture has come to stay. The men who sneer at it have not come to stay. The down-to-date captains in this rapidly expanding and nation-wide industry are the men who know. They know the egg, and the chick, and the hen, and the market, and the food problems and the advertising problems—they see the whole thing in perspective. Their eyes are open wide to every new and true thing; and they seize upon it instantly and make it an added asset in their business. Therefore, they are in a "front line position." And their number is annually increasing. The secret is out. The antique man and the antique methods are becoming fewer each year. The "down-to-the-minute" poultryman is the one who wins out, and will continue to win out.

Day-Old Chicks of Quality



THAT WILL LIVE, THRIVE, GROW AND WIN FOR YOU

S. C. Rhode Island Reds
R. C. Rhode Island Reds
S. C. Buff Orpingtons
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White Wyandottes
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White Plymouth Rocks
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S. C. White Leghorns
S. C. Brown Leghorns



Eggs for Hatching in Any Quantity, Prepaid

Shipments guaranteed to reach destination safely. All dead chicks replaced. Book your order now. Our equipment includes the highest priced machines on the market backed by our twenty years' experience in hatching and breeding enables us to furnish you chicks that are well hatched, vigorous, strong and healthy. Hundreds of satisfied customers. Our aim is to furnish you the Best chicks, not the cheapest in price. Poorly hatched chicks always prove expensive items. Start right by sending for our chicklet catalogue today.

Our Show Record Includes Chicago, New York and Indianapolis Winners

Many first prizes have been won by our birds at these National Shows in the past. Our breeders are placed in condition for producing strong, healthy, fertile eggs by December 1, consequently for the present we will not exhibit, but can furnish you Baby Chicks that will grow into winners for you. Our chicks are well hatched and we can quote you extremely low prices on them. Be sure and get our catalogue. Sent free upon request.

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Galvanized Steel Roofing Is Fire, Water and Lightning Proof

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Here's an odd lot of **Corrugated Iron Roofing** which we were fortunate enough to buy at a price which enables us to sell it for only $1.25 per square—just about half what it is really worth. Is brand new, perfect, first class in every respect, but light weight. Not galvanized but black steel roofing. Sheets are 22x24 ins. by 1¼ in. corrugation. Specify Lot No. BB-700. Price is f. o b cars Chicago. Write for our Special **Freight Prepaid Prices** on new galvanized roofing. Our prices lowest ever offered in the roofing business. Only roofing $2.50 per square and up. Anything you want in metal Roofing, Siding or Ceiling.

62c Per 108 Sq. Ft. Buys Best Rubber Surfaced "Ajax" Roofing

This is our one-ply "Ajax" brand, guaranteed to wear as long and give as good service as any rubber surfaced roofing on the market. Put up in rolls of 108 sq. ft., containing 3 to 4 pieces to the roll. Price of 62c per square is f. o. b. Chicago and includes necessary cement and caps to lay. At 75c per square **We Prepay Freight** to any point east of Kansas and Nebraska and north of Ohio river provided order is for at least 8 rolls. Write for prepaid prices to other points. Other grades of ready roofing fully 30% below regular quotations. Send for free samples and roofing catalog.



Previous Price Records B-U-S-T-E-D WIDE OPEN!

We're always smashing prices—and it sometimes happens that a lucky purchase enables us to smash them a little harder than usual. This is one of those out-of-the-ordinary occasions. There isn't another firm on earth that occupies the unique position in the commercial world that we do. Our enormous buying power represented by our ten million dollars capital makes it possible for us to buy for spot cash, entire stocks at manufacturers' and jobbers' forced sales, receivers' and sheriff's sales, etc., that are beyond the reach of ordinary buyers. Often our purchases enable us to sell the goods for actually less than manufacturing cost—and usually for about half what dealers ask for the same goods. Mind you, this merchandise is brand new, and exactly as represented. The prices here quoted tell their own story of **your** saving. These are odd lots we're offering and to move them quickly **we've cut the price to the limit.** It would be nothing short of business suicide for any other firm to offer this quality of merchandise at such ridiculously low prices, but, owing to our method of buying, we can easily afford to do so. Can you really afford to pass up a chance like this? Remember your saving is from one-fourth to one-half.

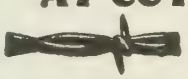
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You can buy a carload of material from us without paying us a cent in advance. All we want to know is that the money will be paid us as soon as the material is received, unloaded and checked up. We certainly would not dare to do this if we furnished anything but strictly first-class material. Our building material is right, and our terms more liberal than that offered by any other concern.

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BARB WIRE Less Than 2c Per Rod

New galvanized, heavy weight barb wire, put up on reels, about 100 lbs. to the reel. Lot 2-BB-26, per 100 lbs. **$2.05.** Galvanized barb wire, light weight, first grade, best made, put up exactly 80 rods to reel, 2-point barbs. Lot 2-BB-28, per reel, **$1.40.**

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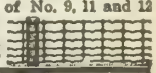
10,000 kegs, put up 100 lbs. to the keg mixed, all kinds together. Lot 2-BB-33, price per keg **$1.38.** 1,000 kegs of ten pennyweight regular new wire nails, 100 lbs to the keg, while they last, per keg, **$1.85.** Write for free Wire and Fence Catalog. Send coupon

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Personal Service. That's what we mean. Personal service in every sense of the word, either by mail, or if you come to Chicago We have an Architectural Department that is developed so far beyond the attempts of others, that there is simply no comparison. In this department we offer you service of a character that is bound to appeal to you.

If you have not formed a particular idea as to just what kind of a building you want, tell us in your own way, what your general ideas are, and if possible send us a rough pencil sketch.

This Will Cost You But Two Cents and we will reply promptly, giving you the information that will be worth one thousand times the 2c. You can sit right down in your own home, and see your plans developed step by step from crude ideas into a practical, architecturally correct and perfect design. Our charge for such service is so reasonable, that in the end it is absolutely **free,** for the reason that we refund such charge when your material is ordered from us. We will make you a proposition that will mean the cutting out of all preliminary worry and expense and which will show you how to proceed, point for point, with the work in hand.

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If you have time. Bring your sketches and ideas with you. Our architects, expert estimators, plumbing and heating engineers will quote you while you wait, and give you much valuable information on the subject of architecture and building. Remember our business extends from coast to coast. We have taken the best ideas from all the land, have assimilated them into high quality, modern, up-to-date homes.

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Good iron pipe in random lengths, complete with couplings, suitable for gas oil, water and conveyance of all liquids; size ⅜ to 12 in. Our price on 1 in. per foot 5c; 1¼ in. at 4c per foot. Complete stock of valves and fittings Send your specifications.

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This is the white enameled cast iron, one piece, heavy roll rim bathtub; fitted with the latest style nickel plated trimmings, including Fuller double bath cocks for hot and cold water; nickel plated connected waste and overflow, and nickel plated supply pipes It is 5 ft long and is good enough to answer the needs of any man. Lot 5-BB-101



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Sometimes people seem to be afraid to send their orders because they think it is impossible for us to sell strictly first class merchandise at the ridiculously low prices which we quote. We want to tell you emphatically that such fears are absolutely groundless. We freely admit that our low prices often do appear to be altogether out of reason; but just consider, please, in what vast quantities and in what manner we buy our stocks and it must be perfectly plain to you that our low price quotations are fully justified and that there is REAL QUALITY behind every article we sell. Our guarantee is so broad and binding that you take no chances when you deal with us. Your money back, including freight charges, if not satisfied

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prominently known for 20 years as the great "Price Wreckers" is now being operated under the name of Harris Bros. Co. There is no change in our policy, or in our business methods—we promise the same careful attention to your wants, and the same remarkably low prices as heretofore.

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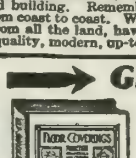
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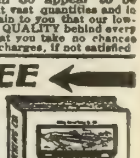
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NOTES FROM ENGLAND

CONDUCTED BY

MISS CAREY, TOYNTON RECTORY, SPILSBY, ENGLAND



THE PALACE SHOW.

ONCE more the great event of the English Poultry fancy is over and gone—probably the greatest show the world has ever known with a grand total of 14,000 exhibits, all well staged without crowding, and all redelivered to their owners with the usual prompt attention.

Among the breeds that seemed most in public favor was the good old Orpington (a bird very hard to beat). Breeders wander away at times tempted by booms and noise of money, but a year or two finds them back again with one or other variety. This year the entries came up to 1,064 in 56 classes; White, Buffs and Blues putting up the best, though the Blacks still hold their own and show some very good young stock. Entries in Blues showed the variety to be going steadily ahead, notwithstanding the difficulties and drawbacks attendant on breeding, while Jubilees, Spangles and Reds make little headway.

Faverolles were going strong and the Whites seem especially popular this year and there was a grand display of the new variety of Buffs—a most charming addition to the breed but as the whole of this stock belongs in my yards, they were not put up for competition. They did, however, attract a great deal of attention.

Another breed that showed marked advance were the Sussex classes, especially in the Spangles and Reds interest was wide awake. This fine old breed is well worth taking up, the birds being hardy, vigorous, splendid layers, and very attractive, especially in the Speckled variety. Visitors to Atlantic City may remember the handsome pen imported by Dr. Parker, which I brought over with me to that show, and the attention they aroused.

The birds carry very much the Rock type, being altogether higher on leg and lighter framed than the Orpington. Occasionally one sees a specimen of low down Orpington build and when this is so it usually denoted a cross with the Jubilee Orpington and should be avoided as the nearer the Rock, the better the type. Unfortunately English breeders have evidently for some years not been paying sufficient attention to detail of head points for many birds in these classes showed bad combs and side sprigs, and several breeders were commenting on the frequency of the fault in their progeny so that in importing stock it will be necessary for American buyers to select with care, as it seems to be a defect of little moment on this side, several leading winners carrying well defined side sprigs.

There has been a good demand for Sussex, both the Red and the Speckled, from America this year, and the importance of head points is one of the greatest difficulties to get breeders to consider.

I hardly know at the moment which variety is likely to take the lead, at present the popularity seems about equal, some favoring the deep mahogany shade of the true Red, and others the bright attractive markings of the Speckles, but both have a great future ahead.

Turkey-headed Malines were also arousing some talk and they certainly are fine handsome birds, though the Blacks at present are the only ones that make much show—the so-called Blues struck me as altogether too washed out to be classed as that color, while Whites were absent entirely and seem unobtainable in England although the single headed White Maline is fairly common. The Turkey Head, however, gives a character to the breed that will never be touched by the single comb varieties.

Sicilian Buttercups made a good showing but it does not strike one as a fancy that has come to stay though it may always have some adherents.

Campines put up a good display, and size seemed rather better than at some of the earlier shows, although in a large number of entries one would like to have seen a more robust frame and build. Barring was good but there is still a lot to be done, especially in tails, by Campine breeders. Hackles at present are sadly wanting in clearness, and it is a pity more attention is not paid to this feature since it is one of the most attractive points in the breed.

Wyandottes came up to 795 entries in 50 classes, showing no increase on last year; the Laced, Golden and Silvers made an excellent show and many considered it was the best lot of Wyandottes ever staged.

Old English Game turned out in fine form and what a pity it is that these varieties are not more taken up abroad for they are certainly very attractive. Indians showed only a slight increase over last year and yet it is not long ago that they were one of the great features of the Palace show.



Breeder, Shipper and Importer of—

ORPINGTONS (Buff, Black, White)
WHITE WYANDOTTES
S. C. RHODE ISLAND REDS
INDIAN RUNNER DUCKS
(White, Fawn and White, Penciled)

Won 36 First Prizes, 10 Specials in Two Large Shows. Write for Catalogue.

Woman's College Poultry Farm : Meridian, Miss.

"O. K." Poultry Litter
TRADE MARK

WRITE TODAY for FREE SAMPLE
Because we know You'll Never Again Use Any Other Litter

"O. K." is the most wonderful litter for **Hens, Ducks,** and **Geese.** It's cheaper to use and ever so much better than Straw, Clover, Alfalfa, Sawdust, Shavings, or anything else ever thought of for litter. All the big breeders who try it never go back to anything else because there is nothing else they would ever again use.

"O. K." Litter
BEST FOR BROODERS

ABSORBS ALL the MOISTURE
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PREVENTS all ODORS

"O. K." Poultry Litter keeps your houses always dry, clean, sweet-smelling and sanitary. YOU NEED NO DROPPING BOARDS, and

CLEAN HOUSE ONLY ONCE EVERY THREE OR FOUR MONTHS

"O. K." Litter will not **burn.** Lice will not come where it is used. **Tell us how large your house is—we will tell you how much "O. K." Litter you need.** Write to-day for free sample and printed matter. You need them both.

For your own protection buy only by the Trade Mark



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Dept. 170, 157 Water St.,
NEW YORK CITY

Distributing Stations almost everywhere.
Orders filled from nearest point.

ANNOUNCEMENT

THE
American Poultry Journal
YEAR BOOK
FOR 1914 READY SOON

Place your order for this book today—it's still bigger—better—more thorough than the 1913 Year Book which has been pronounced one of the greatest, most valuable books for poultrymen—everywhere.

It will contain complete show reports for the season—many valuable articles—charts—poultryman's calendar—almanac—colored illustrations, etc. In short, it will be the boiled-down-to-the-minute cream of information you are looking for.

READ WHAT THEY SAY ABOUT THE 1913 EDITION

Alexander, N. Y., May 26, 1913.
American Poultry Journal.
Dear Mr. Bell: When you first made announcement of your intention to prepare and present to American poultrymen your first Year Book, those of us who have had occasion to know the real value that invariably attaches to anything coming from the Journal office, had some idea of the scope and value of your work. Having received my copy and given it careful examination, I feel it safe to say that nothing of like character has ever before been presented to our American poultrymen, and that no book of recent years possesses so much of usefulness to the poultry fraternity. Let me congratulate you upon the excellence of the book itself, and the scope and real merit of the whole work. Yours very sincerely, Reliable Poultry Specialty Co., by Eugene W. Harrington, Gen. Mgr.

Buffalo, N. Y., June 7, 1913.
American Poultry Journal.
Gentlemen: Your 1913 "Year Book" has been received and carefully inspected. We find it to be a most complete and comprehensive work. We realize full well the effort necessary to place such a volume in the field and sincerely trust it will be received in full worth by the breeders at large. We will be very glad to remember you editorially and will no doubt use the volume in our fall subscription campaigns. Very truly yours, National Barred Rock Journal, per Leo T. Robinson.

June 11, 1913.
Mr. J. W. Bell.
Dear Sir: I congratulate you upon the 1913 Year Book. It is a much better work than I expected, and is a credit to you and assistants. It is the result of a fine idea well expressed. I wonder why some publisher did not attempt it here before. It will be a great help to many breeders, and commendable every way. Very truly yours, Mrs. Denton Cole, 23 Dickson avenue, Binghamton, N. Y.

Quincy, Ill., May 31, 1913.
Editor American Poultry Journal.
Gentlemen: While we have just glanced through the book we hasten to congratulate you upon such a fine piece of work. It is nicely gotten up and full of good things and we feel sure that it will meet with a large demand. Very truly yours, Reliable Poultry Journal, D. E. Hale, Associate Editor.

West Newton, Pa., June 9, 1913.
American Poultry Journal.
Gentlemen: Received the Year Book of 1913, and must say that I'm more than pleased with the same. I think this a great book for amateurs. Yours truly. R. P. Schneider.

American Poultry Journal.
Gentlemen: The Year Book has reached me and more than fulfills my expectations. It is worth waiting for. Very truly yours, Edwin R. Fraser.

The 1914 Edition will be still better—order today. Paper Bound, 50c; Cloth Bound, $1.00

AMERICAN POULTRY JOURNAL PUB. CO., 542 S. DEARBORN ST., CHICAGO, ILL.

Cochins showed up well in the Buff and White classes. What huge specimens they are! Each bird absolutely filling his pen.

Bantams were well represented and several of the more modern varieties are going ahead well. The staging of the Belgian section which shows the little birds to such splendid advantage is one that might be copied by every show. These little open wire pens about three feet square, laid on turf and separated from each other with ferns and plants always attract a crowd while the owners seem to do good business judging by their regular attendance each year.

Water fowl, Turkeys and Geese filled a wing at the Palace by themselves, and the exquisite coloring of some of the varieties of ducks were most beautiful and fascinating to the crowds. Indian Runners turned out strong in all varieties and seem to be forging ahead if the demand that comes in from abroad is any guide.

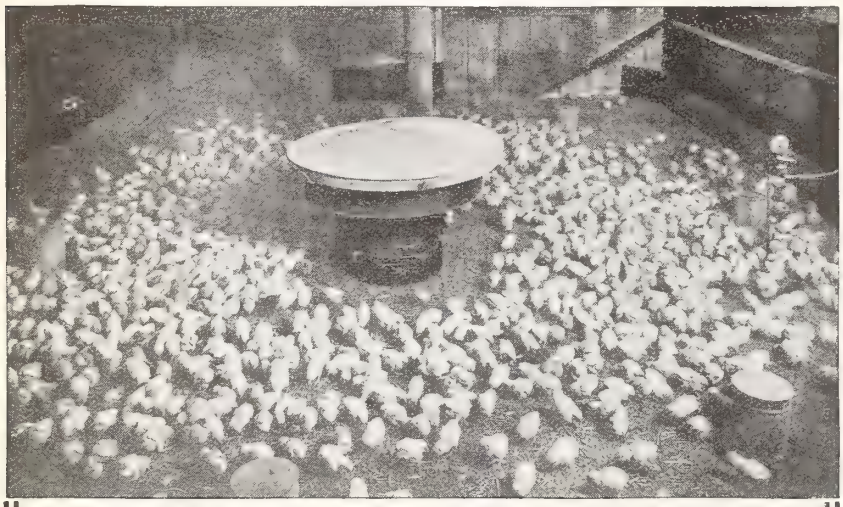
It was a pleasure to see American birds coming over to compete in large numbers and to see that some were going back with honors and we hope each year will bring a stronger contingent for there is nothing that stimulates an industry more than open competition between nations, and nothing is more likely to bridge the gulf between the varying Standards of many nations than International exhibiting—a sure and certain step to International Standards in the yet far distant future.



Mundee's Lightning Roup Remedy

Most successful, effective roup remedy known
50c and $1.00 per bottle, postpaid. Send for ciccular.

W. J. MUNDEE, LIBERTYVILLE, ILL.



The Simplex Brooder Stove By Day

A postal will bring our main catalog with users testimonials

A SIMPLEX will bring MORE CHICKS TO MATURITY than any other METHOD. STRONGER, BETTER LARGER, MORE PROFITABLE CHICKS.

The Simplex is the sure preventative of White Diarrhoea. How many dollars of your valuable Chicks do you lose yearly from this terrible scourge. A Simplex will save them.

The Canadian Government has adopted the Simplex for use on Government Experimental Stations after a year of exhaustive tests. There is a reason. A postal.

Have you ever thought what it means to save 90 per cent of your labor, 75 per cent operating expense and raise 20 to 50 per cent more chicks. These matters surely must appeal to you. Make us show you. We can only ask the chance.

Our Catalog is BRIM FULL of new UP-TO-DATE INFORMATION worth DOLLARS to YOU? Do not hesitate. A postal will put all this in your hands. MAY WE SEND it? Broods any number from 200 to 1,500.

SIMPLEX BROODER STOVE CO.

220 FOURTH ST., N. W. GRAND RAPIDS, MICH.

POULTRY SUPPLY MEN AT THE CHICAGO SHOW.

By J. Willard Bolte, Director Agrl. Dept., Shuman-Booth Company Adv. Agency.

The displays of poultry appliances and supplies at the Chicago Show, taken as a whole, made a rather unfavorable impression upon the writer. Possibly this was due to my having but recently inspected the Dairy Show and the Land Show, both of which were staged in a very spectacular and impressive manner, but the fact remains that many of the commercial exhibitors at the Chicago Poultry Show failed to use their space in as profitable a manner as it could be used.

Space costs money and you pay to get the crowds into the exhibition and to get your goods and your salesmen on the spot. Why not arrange those goods in that space, so as to interest and stop the greatest possible proportion of those crowds at your exhibit? A few dollars more for decorations and lights will make your original expense several times as profitable. An exhibit at a poultry show costs a great deal more than a page advertisement in a poultry magazine and it is usually seen by fewer people than the advertisement would be, yet, if one is to judge by effect, some one certainly puts more time and brains into the advertisement than ever went into the show booth.

I admit that exhibits are harder to handle than advertising space, because you have to fit the actual articles to the space. But if you are going to exhibit at all let it be a good job, both for your sake and the sake of the show itself.

Strive to have your booth so laid out that it looks as if it grew there, instead of giving the impression of having fallen off a passing wagon. Put the small articles toward the front and the larger ones back, to give the effect of perspective and a larger display.

Cover up the packing cases and bare planks, to overcome that temporary, circus-like effect, for it gives your goods the same reputation in the mind of the observer. And remember that the final success of the exhibit depends upon the man in charge.

He must be aggressive, pleasant and persistent. Don't send your cheapest man—send your best, for you will need him.

The writer walked through every exhibit on the floor twice, and I was hailed by only six salesmen out of the whole crew yet know it was not because I looked poverty-striken, because they almost held me up and frisked my watch in every booth at the Dairy Show.

Treat every visitor as if he were a sure enough buyer, and don't leave him

in the middle of your story to grab some other fellow who starts away.

The most striking large exhibit was the Albert Dickinson Company layout, with its huge revolving globe covered with a coating of various colored grains representing the map of the world. They were talking "Globe Brand Poultry Foods," two or three men working at once, and they always seemed to have company.

Edwards & Loomis had a fine display of poultry feeds, but I could not find anyone to tell me the kind of hen it was that laid a cut glass egg every minute, and I had to go across the hall and look back at the top of the exhibit to learn that they call their foods the "Red Comb Brand."

It is a corking name and a fine line of feeds, but they would do better to put that big electric sign on the wall at the back of the exhibit.

The Hall Mammoth Incubator Company, of Little Falls, N. Y., showed a new model of their famous "orphan chick factory" and it is a dandy. Their new method of raising and lowering the trays especially appealed to me. They also showed a new coal heated colony brooder that looks good. It would pay them to make a big canvas chart of testimonial letters and hang it on the wall.

Vaughan's Seed Store made a dandy display, and it drew more people than the Barnard Seed Store booth, because Vaughan placed some handsome fowls in coops at the rear of their exhibit, and live birds always draw more attention than still objects.

The Barnard boys were making the most noise though, and were getting their full share of the business. Vaughan showed the Prairie State Incubators in their assortment and Barnard had the Mandy Lee line.

The Miller Anchor Co., of Norwalk, Ohio, showed a self-feeder in a wire pen with a dozen Leghorn cockerels doing the work. There was no bally-hoo man on the job when I got there, but two of the birds were pulling off a swell fight and all the sports in the Coliseum were cheering them on.

In addition to their regular line of express and parcels post returnable egg carriers, the Star Egg Carrier Mfg. Co., of Rochester, N. Y., showed a new 12 egg package for grocery men to deliver eggs in. You can't break the eggs, and when the housewife gets them she can hold them up to a Star tester and pick out the "rots and spots."

Innes-Speiden Co. showed "Milk Albumen" and "Licene," and they were too busy to tell me about them.

Fred Schwalge, of Elmhurst, Ill., had on exhibition an imposing hot air Mammoth incubator that we believe is going to be heard from. Its chief advantage lies in the rapidity with which a cool chamber can be raised to the proper heat, in our estimation.

Cyphers was on hand with a fine display of machines and poultry supplies. Their exhibit was cut into two sections, which was unfortunate, from the standpoint of impressiveness. And they needed more men on the job at 11:30 a. m. Saturday, December 13th.

Howard Gross had a little booth in which he had his hat, one satchel and 3 Duplex oil burning colony brooder stoves—these and about all the visitors that could crowd in. He did not need bunting or music, for his magazine advertising made every one want to see the Duplex. The name of his concern is the Duplex Brooder Stove Company, Freeport, Ill.

Mr. S. L. Smith came all the way from Duluth to show his new trap nest. It is a wonder and you don't have to release the hen because she goes out of the back door into the "pen where the good layers go."

The Close-to-Nature Company, of Colfax, Iowa, showed several sizes of "Double Quick" Grain Sprouters and were doing a nice business.

Best of all the small exhibits was that of Otis & Moe. It was a small white booth with a roof and lots of color and light. The salesmen were penned inside where they could not escape, and there was a crowd of people in front all the time. They make good fountains and feeding devices, and I wish I had the opportunity to try to make their magazine advertising as good as their show exhibit was.

BUFF ORPINGTONS

At Girard, Ill., last month we won **1st cock, 1st cockerel, 1st and 3rd pullet, 2nd and 3rd hen, 1st pen, also silver cup for champion male bird in show,** all classes competing, and **silver cup for best hen in show,** all varieties competing. **Lots of young birds for sale. Will book egg orders after January 15th. HOMESTEAD FARM, R. F. D. 9, SPRINGFIELD, ILLINOIS**

BABCOCKS BABY CHICKS



White Rocks, S. C. White Leghorns, White Runner Ducks. Capacity 100,000 annually. Vitality Chicks and Ducklings $10.00 per 100 and up. Eggs $5.00 per 100 and up.

Fine Illustrated Catalogue Free.

BABCOCK POULTRY FARM, Box P, Fredonia, N. Y.



BARRED ROCKS—S. C. BROWN LEGHORNS

WIN AT BUFFALO AND ROCHESTER, 1913

At Buffalo's Great Show: Barred Rock Cock 5, Hens 2-4, Cockerel 2, Pullet 2, Pen 1.

At Rochester: 305 birds competing; Cock 3, Hen 3-8, Cockerels 2-7-10, Pullets 1-6-7. Old Pens 3-4, Young Pens 1-4. In S. C. Brown Leghorns, Cock 1-3, Hen 1-5, Cockerels 2-3, Pullets 1-2, Cockerel-bred female 1-2, and specials.

STOCK FOR SALE EGGS FOR HATCHING SATISFACTION ASSURED

L. B. RESSEGUIE -:- MILLERS, N. Y





Tompkins' R. I. Reds

Why They Win Year After Year

THIS strain of mine was started in little old Rhode Island by my father over 40 years ago. He was among the first to do consecutive selective breeding of R. I. Reds, and was just hard headed enough to keep to his own picked stock and breed straight down the line.

I have followed in his ways. Tompkins Reds **are Tompkins** Reds. They are not birds of mixed strain.

I have never aimed to reach that point of success where Tompkins would just "oversee his business," and not give personal attention to those hundred and one things that are so vital in keeping up a strain standard. As a result I know practically every bird in my flock.

They are graded as Utility Birds, Near Silks, Top Notchers and Special Top Notchers. Their grade names tell you just where they belong.

Year after year my birds have walked away with coveted prizes. You who know Rhode Island Reds know that.

Every year, before the big shows, I am approached by some of the leading Red men to sell out my string to them. They know full well that Tompkins birds, like his word, can be absolutely depended on.

Although I am never so rash as to guarantee my birds will win—still it is a well-known fact that the Tompkins Strain walks away with the good things at the shows. Come to Concord and see my flock. Pick out just the birds you want.



Prize Pullet at the last Madison Square Show

Let me send you a list of our winnings. My new catalog is on the press. Send in your name and secure one of the first copies.

I have some specially choice selected pens this year ranging from $15 up to $150.

My near silks come pretty close to being All Silk. Let us price some to you.



LESTER TOMPKINS



Tompkins' Rhode Island Reds

CONCORD, MASSACHUSETTS

The Science and Art of Poultry Feeding.

THERE are so many fads and theories regarding poultry feeding and so many elaborate feeding rations, that if we were to try them all, I think we would be feeding something new in the world to come. But there is no more one best ration for all breeds in all climates and conditions, than there is one best diet for all men.

One should understand both the science and art of poultry feeding in order to obtain the best results. As yet science has much to accomplish before we may entirely dispense with art, and, in fact, many successful feeders know but little of the science of feeding. However, to neglect to inform one's self upon the science of the subject is to be unable to analyze the result of feeding experience or experiments; and to often feed a much more expensive ration than is necessary.

It is surprising that so many poultrymen fail to appreciate the benefits of good feeding. It requires a certain amount of nourishment to repay the wornout tissues and maintain heat and energy in the bird's body, and any surplus that is assimilated goes to make eggs or increase the size or weight of the bird.

A pen of white leghorns entered by a breeder in England are leading the Missouri egg laying contest by a wide margin and there are some who would have us believe they are the result of a better understanding of the laws of breeding for egg-production than the fanciers on this side of the water possess. Undoubtedly their phenomenal production is due in a measure to the stimulating effect of a change of climate, but with that exception I believe it is simply the result of generations of special feeding and care.

The English Poultry Club has decided that the man who hatches and rears a bird has as much right to claim to be the breeder of the bird as the man who mates and cares for the birds that produced the egg. In one way this is right, as no matter how fine the bloodlines one may purchase in a sitting of eggs he will have to give the chicks hatched an abundance of proper food or they will develop nothing but culls. Furthermore the feeding of one generation will have its effect on the character of all following generations by "natural selection on the survival of the fittest."

To balance a ration by studying the chemical analysis of the foods to be used is impossible, as there are many elements, some beneficial and others injurious, that are not shown by the analysis, and what might be a balanced ration for one bird would be very poorly balanced for another. Different birds require different rations at different seasons of the year, and if given a chance they will balance their own rations more satisfactorily than their owner can balance them for them.

To properly balance her ration a hen must have access to feeds having large proportions of the necessary elements, as feeds with high-protein contents, and feeds containing large amounts of carbohydrates, mineral matter, oil, etc.

All animal foods except dry bone are protein foods, green cut bone contains a large amount of fat, and grains (except some by-products of grain), are generally composed mostly of carbohydrates. Much more carbohydrates are needed than any other element as carbohydrates and fat are used to produce heat and energy in the body and to make the yolks of eggs. Fat has 2¼ times the feeding value of an equal weight of carbohydrates. Grain and dried meat products do not contain sufficient oil especially for young chicks and moulting hens. The larger amount of oil in the grain the easier it is to digest and assimilate. In feeding green bone one must be careful not to give too much fat to birds not accustomed to it. Green bore with plenty of adhering lean meat and grizzle is preferable to beef scraps, but it must always be perfectly fresh and free from taint or serious results will follow.

Cereal and vegetable foods contain only a small amount of ash or bone-forming material. Milk, oats, bran, clover and wheat if fed in liberal quantities will generally supply enough mineral matter for making bone in young chicks, but with laying hens in winter a little green or dry bone will be needed unless one is feeding beef scraps that contain ground bone. The muscles of and tissues of the body are worn out and replaced seven times as fast as the bones.

Beef scraps are the staple food for supplying protein, always available and convenient to feed. Under many conditions milk and green bone will give better results if obtainable. Beans, peas, oil meal, cottonseed meal and gluten meal also belong to the protein



300,000 "Better Hatched" Chicks for 1914

It is not now a question of whether to buy chicks, but where to buy them—you want quality, vitality, quick and efficient service, with prices that are not unreasonable. We have hatched and delivered chicks for four years, beginning with a capacity of 8,000 eggs, until now we can accommodate 95,000 eggs at one time. We have not advertised extensively; our customers come back each season with increased orders. There is a reason—it's the "BETTER HATCHED" chicks that people demand; we use no coal or lamps for heating, our hot-water boilers are all heated with natural gas, assuring a uniform temperature; no prematurely hatched chicks, no delayed hatches, every chick hatched in pure air and out on time; they are the ones that can travel 2,000 miles, grow every mile of the way, arrive strong and healthy and continue to thrive.

The 10,000 pure bred hens that lay eggs for this plant are all on free range, healthy, strong and full of vigor. If you desire chicks from this kind of stock, with a strong guarantee behind them, in lots of 25 to 2,000, send for our free catalog, describing our plant and the following varieties of fowls:—**S. C. White Leghorns, S. C. Brown Leghorns, S. C. Buff Leghorns, Barred Rocks, White Rocks, S. C. and R. C. Reds, S. C. Black Minorcas, White Wyandottes, S. C. White Orpingtons, S. C. Buff Orpingtons.**

We quote wholesale prices in lots of 500 and over. We make a specialty of White Leghorns and Barred Rocks in thousand lots. Deliveries begin March 1st. A hatch each week.

The Co-Operative Breeding and Hatching Co., Box A, Tiro, Ohio



CONKEY SAYS—Don't be "Too Late!" You have seen your fine birds moping, sneezing, coughing, with heads swollen and eyes watering. You have seen them fight for breath and die. That's R-O-U-P. It's humane to relieve them—it's dollars saved to cure them.

Conkey's Roup Remedy does the work. 25c, 50c and $1.00 sizes. Sent anywhere prepaid if your dealer does not have it in stock. Easily given in the drinking water, so that the fowls take their own medicine. A fine preventive also.

Always treat colds and roup promptly, or you may lose your whole flock. Don't wait; don't be "Too Late."

Send dealer's name and 4 cents and we will send you a copy of Conkey's 80 page Poultry Book.

THE G. E. CONKEY CO.,
CLEVELAND, OHIO
Dept. 18



class of foods. Besides these three main elements of feed (carbohydrates, protein and ash), there are many other elements, such as acids, earth salts, coloring matter and live cells of animal and vegetable food which are all necessary and which are not shown by the ordinary chemical analysis. To aid in supplying enough of these elements we divide the different feeds into three classes; cereal, animal and green vegetable. It is possible to balance a ration by chemical analysis and use nothing but cereals. The common grains would supply the carbohydrates and ash, and by-products, such as oil meal, bean meal, cottonseed meal and peanut hearts would supply the protein. But such a ration would soon result in a worthless, unprofitable flock, as all attempts to feed high-protein grain foods in large quantities have resulted in deranged liver and digestive disorders. One hears a great deal about leg weakness in brooders chicks and chicks in confinement and editors of "questions and answers" departments generally say it is caused by a lack of bone making food. Most rations contain sufficient bone-forming elements, but often they lack the acids necessary to digest these elements. These acids can be supplied by sour milk and live cell vegetable foods. Corn, wheat and oats are the staple grains for feeding poultry. Hard sound corn cured in outdoor cribs is probably the best grain feed, it contains oil which makes it easily digested.

Wheat is an excellent grain especially for laying hens in winter, it contains more ash than corn and the protein in wheat is of the same nature as that of an egg. The manner in which the ration is fed is of as great importance as the feeds of which it is composed. The latest fad is to keep each kind of feed in a separate box and let the hens balance their own rations. The Missouri experiment station is feeding a test pen by this system, using twenty-eight different kinds of feed, each in a separate box, but now the leading exponent of this system comes forward in a recent issue and claims that 28 kinds of feed is too much liable to confuse the hens as they are not able to descern between so many kinds of feed. There should be but two or three kinds of carbonaceous feed and the same of distinctly proteinous feed (corn and Egyptian wheat for carbonaceous, beef scraps and wheat bran for proteinous), says this writer.

I wonder he limits himself to four or six articles of diet, as he further claims that each man and animal of whatever species is perfectly capable of balancing his or its own ration. Do not wild birds balance their rations from a multitude of different weed seeds, worms, bugs and flying insects, fruits and green vegetables, galore? They certainly do, and so will every man eat just the right amount of pure foods (those not containing drugs and condiments), if he does not prevent his instinct or distroy his appetite through ill use of his "higher intelligence" or power to think which is not possessed by the lower animals. But, to go back to the system of keeping all feed in open boxes or hoppers, what is the advantage? It saves labor, and where birds have free range and there are no rats, mice, squirrels or sparrows it will work very well. In regard to rats and mice, better investigate, if there are any within a mile of you, an open hopper is very apt to be found by them, and then look out for a colony of rats. They will be sure to take up their abode under the nearest building. Where the birds are confined, keeping the feed in open hoppers does not work well. They will eat for pastime or because they have nothing else to do, until they are either out of condition or their appetites dulled and their digestive systems clogged, until they will not eat enough to be profitable.

Keeping the feed before the birds all the time tends to dull the appetite anyway and in feeding dry mash from hoppers it is found necessary to change the composition of the mash frequently to keep the appetite good.

With regard to the practicability of keeping twenty-eight different kinds of feed, each in a separate box or hopper,

N. A. Contest 282 Eggs **WORLD'S CHAMPION LAYERS** Mo. Contest 258 Eggs





TOM BARRON'S **ENGLISH 200 EGG STRAIN** Eggs for Hatching Choice Cockerlls, Day-Old Chicks

S. C. WHITE LEGHORNS WHITE WYANDOTTES BUFF ORPINGTONS S. C. RHODE ISLAND REDS

1st prize and Cup in the Missouri Egg-Laying Contest, 1912-1913, also winners in the North American Egg-Laying Contest, 1911-1912 and the Cup, 1912-1913. This proves that they are the **World's Greatest Layers.** Acknowledged by the poultry experts to be the most profitable strain of poultry in America today. We have imported more high grade English stock than all other American breeders combined. We have included in our pens **The Winners of the Missouri Egg-Laying Contest, 1913** which made the wonderful high record of 2073, eggs, seven hens laying over 200 eggs—258, 246, 243, 226, 219, 219 and 208 eggs respectively. We **Trap-nest** every layer every day in the year. Write for our **free,** illustrated catalog—contains valuable information that will save you money by showing you how to increase your egg yield. **THE PENNSYLVANIA POULTRY FARM, 2022 Pearl Street, Lancaster, Pa.**

BIGGER BARGAINS THAN EVER FOR JANUARY PEERLESS EXHIBITION WHITE LEGHORNS



On December 1, I had on hand, after close culling, about 400 cockerels and 600 pullets. In December I sold about 100 of each and still have as grand a lot of birds to select from as one could find anywhere. I feel absolutely certain that for vigor, size, activity and productiveness there is not a better single flock of birds living. To substantiate this claim I will **SHIP BIRDS ON APPROVAL, C. O. D., if preferred.** and if you are not more than pleased with my selection, return the shipment promptly at MY EXPENSE for expressage one way. I know I can please you, because I am just about giving cockerels away, and my pullet prices are at least one-third less than I ought to get—especially with fresh eggs as high as they are now. Just look at these prices for cockerels! Remember, I have culled very closely and every bird is A 1 in every particular.

A $2.50 bird for $1.50; a $5.00 bird for $2.50; a $7.50 bird for $3.50; a $10.00 bird for $5.00; a $20.00 to $25.00 bird for $10.00. Read what a December customer has to say: "Bentleyville, Pa., Dec. 13, 1913.—The cockerel received from you on the 3d is a No. 1 bird, and everybody thinks he is a dandy. I was offered twice what I paid for him and the man would have paid the express charge. I would not take four times what he cost me unless I knew you would supply another. Please quote me prices on hens, etc., etc. G. M. Andrew." Just write or wire your order and I will ship C. O. D. You will be just as well pleased. Birds have been reared on free range and fed Spratt's patent foods. You can't beat them for bone, muscle and stamina.

PULLETS $1.50, $2.00, $2.50 EACH. All splendid birds and nearly all laying. A cockerel free with an order for a dozen or more pullets. Although the price would not indicate it, the birds offered in this sale are backed by an immediate ancestry of New York and Chicago blue ribbon winners. I haven't adequate winter quarters for so many birds and am COMPELLED to sell.

EXTRA SPECIAL: A few cockerels and pullets equal to Crystal King and Peerless Belle, blue ribbon winners at Chicago and Minneapolis, at prices you can afford. I will ship you a winner at your own price C. O. D. I have them with low, well spread tails.

Special prices for eggs in 50 and 100 lots for delivery before March 15.

A word to beginners: Before investing your good money in new varieties, demand facts. White Leghorns have clearly demonstrated their superiority as layers in the various laying contests throughout the nation.

LEON C. HUNTINGTON, State Vice-President National S. C. White Leghorn Club. : BOX 12-B : OMAHA, NEBRASKA



CONKEY SAYS—Your fowls will look better, act better, do better in every way during the long winter months if you sprinkle a little of Conkey's Laying Tonic in the mash feed once a day.

It is a conditioner and tonic that improves the ration and turns the high priced feed to egg production. WINTER EGGS bring the big profits.

We also recommend this for use with breeding stock, to improve fertility. For sale by all poultry supply dealers on plain guarantee. Your Money Back if Not Satisfied in Every Way. 25c, 50c and $1.00 sizes. Pails, $1.60 and $3.00. Sample mailed for 4 cents postage.

If not handled by your dealer, send his name and your order for any size above $1.00, and we will prepay transportation east of Kansas City.

THE G. E. CONKEY CO.,
CLEVELAND, OHIO
Dept. 18



I am afraid some of us would have to enlarge our houses to make room for the feed boxes and to secure twenty-eight kinds of feed would generally mean paying a very high price for some of them, which might make market egg-production unprofitable. But so far as results are concerned, number of eggs laid and condition of the birds, many kinds of feed would give better results than only five or six.

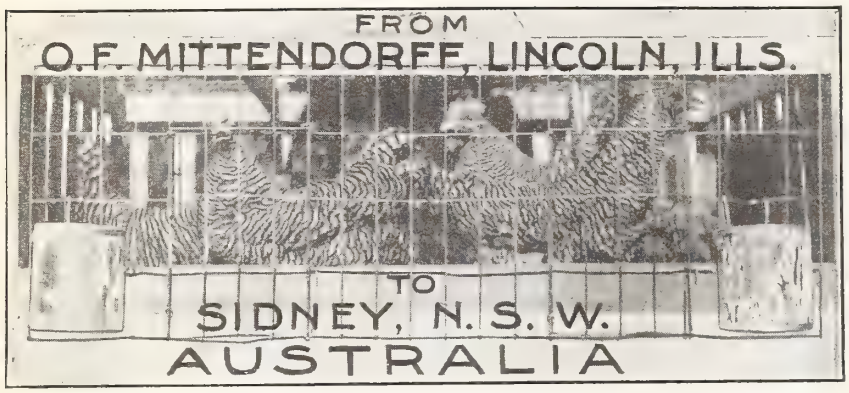
In most cases the ideal way to feed whole grain is from an automatic feeder. The grain is always dry, varmint proof and out of sight of the birds. The bird whose system calls for grain, will instinctively peck the bale bar, bringing down a dozen or more grains scattered in a circle three feet or more in diameter and then the fun begins. Other members of the flock that are hungry will run to pick up the grain, and probably no bird will get more than two or three grains from one shower of feed, which keeps them exercising for sometime before all are satisfied. Where the flock is large and on free range the feeder can be set to let out the grain in more liberal quantities, but in winter when the birds are confined, the flock should be large enough and the feeder set so as to keep them busy in the early hours of the morning and an hour or two before roosting time.

In the matter of exercise, there is an economic average, it is not necessary to keep them "always busy;" they need time to range after insects and hunt for tender vegetables and weed seeds in season and to bask in the sun in winter or wallow in the shade in summer.

It is an easy matter to balance the grain ration when feeding from the automatic feeder. Add any new feeds in what you consider the correct proportions and when the birds are feeding, notice what grains they pick up first, and then mix your feed accordingly. The larger the variety of grain the better, but I do not believe it pays to use the higher priced grains. When wheat is not much higher per pound than corn I always feed it liberally, but when there is a poor crop and the price is 35 cents to 40 cents per one hundred higher than corn I consider wheat too expensive to feed to poultry for market eggs and meat. Of course, this would depend somewhat on the price one is getting for market eggs and the price of wheat bran and middlings to take the place of the wheat.

Mash in some form has held its place in the feeding systems of most poultrymen for sometime. It used to be one feed per day of wet mash; but now most poultrymen use the dry mash, kept in open hoppers so the birds can help themselves at will. But many other poultrymen, among them some of the largest egg farmers and greatest breeders, have found that dry mash feeding does not work so well in practice as in theory and have gone back to the wet mash. For growing chicks on free range and for laying hens dry mash fed from open hoppers will generally give quite satisfactory results. But for chicks under six weeks old, and breeders kept in small flocks, the wet mash will give more satisfactory results.

At the Cornell Experiment Station wet milk mash and baked Johnny cake were found much more satisfactory for young chicks than dry mash. The flocks having dry mash and grain showed greater mortality, lighter weight and poorer condition, than those fed wet mash and grain. Personally I find I get more satisfactory results from wet mash for chicks of all ages. Small chicks in confinement will over-eat of



The above is an illustration of a shipment of Barred Plymouth Rocks to Australia made by O. F. Mittendorff, Lincoln, Ill. The cockerel in this shipment is a son of "Liberty Bell," that has a record of 271 eggs in one year.

U. R. FISHEL'S AD in this issue will interest you. Read it.

S. C. BUFF ORPINGTONS

During my nine years as a special breeder never did I have as fine a flock of nearly 1000 early hatched stock as now for sale from my special yards winning at **Indianapolis, Springfield, Louisville, etc.** Prize winners, color, shape and SWEEPSTAKES, 1912 and 1913. My youngsters had the free range of 120 acres for proper health, size and vigor, winter quarters now 20,000 sq. ft. Have furnished winners in every state in the U. S, and a large part of Canada. **100 tested breeders for sale, pens $7 and up. All stock sent to please or return and money refunded.**

J. S. FRAZIER BOX B ADVANCE, INDIANA



BE A WINNER! Get some of the Royal Bred

Tecktonius Strain S. C. AND R. C. Buff Leghorns

into your flock and secure a "running start" in the race for the most sought for honors in Exhibition Arenas, where recognition means fame and success as a breeder. Others are doing it, and so can **you.** For seven years "a running" the **"Tecktonius Strain"** has—for its proprietor and hundreds of his customers—grabbed off the leading Buff Leghorn Prizes at Madison Square, Philadelphia, Baltimore, Boston, Chicago and other big shows whose prize favors mean everything in the Poultry World.

The World's Champion Utility Fowl

This magnificent **strain** of Buff Leghorns has proven itself—against all comers and under all competing conditions—to be the World's Champion Utility Fowl—the surest and biggest money-maker in the poultry field today.

Some Unrivaled "Tecktonius Strain" Bargains

S. C. Matings—Pens 1 to 6 inc., one 15-egg setting, $10; two, $18; three, $25. **Random Selection**—If selected from one pen in which price rules, $5 per setting extra. Pens 7 to 10 inc., one setting, $5; two, $9; four, $15. Pens 11 to 14 inc., $2 per setting, $10 for 100. **R. C. Matings**—Pens 15 and 16, one setting, $15; two, $25. **S. C. Utility Stock**—Hens, $2; Cockerels, $3 and $5; Trios and Pens, $10 and $15. **Exhibition Breeding Stock**—Hens, $5; Cockerels, $15 and $25; Trios and Pens, $25 to $50. **No Chicks of Either Variety For Sale.** Send for handsomely illustrated Catalog and Mating List, showing you how to put your birds in the "Tecktonius" Class.

Reproduces Its Winning Qualities

"Tecktonius Strain" Buff Leghorns have all the prized show room points—color, contour, poise, etc.—as well as the big "Market" earning qualities—being small eaters, early layers and tremendous egg producers. **"Tecktonius Strain"** Buff Leghorns are vigorous, healthy, beautiful birds, and reproduce their marvelous "prize winning" and "laying" qualities with amazing accuracy and uniformity.

If you desire to get into the limelight as a fancy breeder—if you want to dominate in the market place—get into the game with the **"Tecktonius Strain"**—the superb prize winning and heavy laying strain—and you will get both fame and money.

TECKTONIUS & REED BUFF LEGHORN FARM Route 7 RACINE, WIS.

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YAMA FARMS

S. C. BLACK MINORCAS
BARRED PLYMOUTH ROCKS

The Pacemakers of the Poultry World

Under the most critical judges and meeting keenest competition, Yama Farms' S. C. Black Minorcas and Barred Rocks made a practically clean sweep at the recent

State Fair
Syracuse, New York

This record showing but adds to scores of previous high-grade performances. Since the Syracuse triumph Yama Farms' birds have competed at other leading shows--

Winning in each breed
10 out of 12 possible firsts

Proof conclusive that we have the birds you need—in exhibition and breeding stock. We stand back of every Yama Farms' bird —guaranteeing entire satisfaction. If you are not completely satisfied with the stock you buy —send it back—we pay return expressage and refund entire purchase price.

A particularly strong feature of Yama Farms' Stock are the fine well balanced pens of S. C. Bl. Minorcas and Barred Rocks, made up of five fine specimens of uniform shape and color—the type of birds that make winning pens. And no bird is sent from Yama Farms unless it passes as "perfect" in condition.

We will be glad to hear from those interested in high-class stock in these breeds —single birds or pens. Our interesting booklet is yours for the asking.

YAMA FARMS

Napanoch, Ulster Co., New York
Newton Cosh, Mgr. of Poultry Dept.



Japanese Entrance to Yama Farms

dry mash if it is kept before them all the time and chicks on free range will have no time to make use of the range if they eat much dry mash.

When it is necessary to close the hopper every night to keep out the rats and mice, it is not such a labor saving system after all.

Much has been written about the "labor of mixing," wet mashes and never to mix them too wet or soggy. If enough coarse feed is used it will not matter if the mash is rather wet and then the mixing will be easier. Plenty of wheat bran and ground oats will lighten up the mash and make it easily mixed and more digestible, as the hulls make the mash easily penetrated by the digestive juices. Wheat middlings, reddog flour, and buckwheat middlings should only be used in very small amounts, if at all, as they tend to make the mash sticky. A dry mash containing large quantities of these feeds would be eaten a little at a time, a little mash, a little water and a little grass and being mixed with the grass in the birds' crop would be digested better than if mixed with water and at one time allowing the birds to fill their crops with the sticky mash. But a dry mash containing sufficient coarse feed would give better results, especially in winter when the birds could not get grass. The fowls crave a certain amount of coarse fibre and if confined in bare runs and not supplied in their rations they will eat the straw used for litter to supply their demands. My own system of feeding consists of grain fed from automatic feeders, wet mashes of five measures of dry feed (principally wheat bran, ground corn and oats, and fine beef scraps), to four measures of buttermilk, mixed in the morning and fed at noon, butter-milk or coarse beef scraps fed separately and green fodd given in the morning when not available on the range. Some flocks I can let eat all they want of the mash, but with others it is necessary to allowance them. This depends much upon the breed and strain and the manner in which the birds have been previously fed.

The theory of the hen being able to balance her own rations is all right if we remember that artificial conditions and artificial feeds are liable to develop artificial or abnormal appetites. Mash in any form is not a natural food. Milk is a great conditioner and should be much more extensively used for poultry feeding as it is generally a cheap source of protein. About 89 per cent of milk is water and the balance is protein (casein and albumen) and earth salts, butter fat, and milk sugar. The butter fat is nearly all removed in the skimming and when the milk sours, the milk-sugar is changed to lactic acid. This lactic acid adds to the value of the milk (except for feeding in cold weather) as it destroys injurious germs in the bird's digestive organs and aids in the digestion of the ash and bone-making elements in the feed. Buttermilk contains more nourishment than skim milk and will keep in a good condition for feeding longer. Buttermilk to drink and whole wheat fed three times a day is the ration used for young chicks on free range, by one of the largest and most successful egg farms.

Green food is always necessary for growing chicks and breeding stock and for all other classes unless sour milk is used. It supplies earth salts, coloring matter, juices, which aid digestion, and "live cells" that destroy other cells or germs that are injurious.

Dry alfalfa and clover meal are green only in color. Potatoes that are too small for market are a convenient green food for winter. They should be fresh ground every morning. Cabbage is also excellent but harder to keep. If buried on high ground with the heads down and the roots extending above the soil, they will often keep several months and are an excellent change from the potatoes.

For summer feeding when the grass is dry, melons, tomatoes and rape are valuable in the order named. Melons may seem like an expensive poultry



"IF CHICKEN CHOWDER won't make your hens lay, they must be roosters." Full particulars and 48-page Poultry Book free for the asking. Purina Mills, 801 S. 8th St., St. Louis, Missouri.

Buy Diamond Egg Carriers.



It is a fact and not a boast, that eggs get the maximum protection in the **Diamond Egg Carriers.** Order today. Sample 25c. 15 egg size, dox., $1.50, $11.00 a hundred. Parcel post boxes all sizes, 1 to 12 dozen.

DIAMOND BOX MANUFACTURING CO.,
Room 312, 219 N. 2d St., Minneapolis, Minn.

WHITING'S
ROUPENE
ACTUALLY DOES CURE ROUP

Even the worst cases, even DIPHTHERITIC ROUP and CANKER. We don't care how bad the case is so long as the bird is not in the last gasps of death.

ROUPENE WILL CURE and leave no weakening or bad after effects in the bird or its progeny.

Among most flocks you'll now find chickens with scabby sores on head. They're contagious; rub them off and apply ROUPENE.

Swollen heads and running eyes mean roup—use ROUPENE.

We Guarantee a Cure or Refund Money!

WHITING'S ROUPENE destroys the roup germ and cures without fuss and delay. ROUPENE prevents contagion. You do not have to quarantine the diseased birds.

ROUPENE not only cures Roup, Canker and Diphtheritic Roup, but it also cures Sorehead, Limberneck, Colds and Pip. **50c and $1 per bottle.** At dealers or mailed by us on receipt of price. NEW BOOK FREE on request.

FREE TRIAL OFFER

Send us only two 2-cent stamps to help cover postage and mailing and we will mail you enough **Roupene** to treat your worst case, so as to prove to your entire satisfaction that **ROUPENE does cure Roup.** Write today.

WHITING'S POULTRY AND ANIMAL REMEDIES

O. K. Company
Dept. 36
157 Water Street
NEW YORK

Be prepared to raise practically every normal chick you hatch, by buying at once a 50c bottle of **Whiting's White Diarrhoea Remedy.** It cures and prevents White Diarrhoea and Bowel trouble, and makes vigorous, fast growing, early maturing chicks.

Bred-to-Lay Barred Plymouth Rocks

Bred for Eggs, Size and Perfection for 20 years. I am offering extra good cockerels from the best layers that can be had, cheap. Booking orders for eggs all the time. Circular free.

WM. J. DAVIS, R. R. No. 1, EATON, INDIANA

Partridge Plymouth Rocks — Rhode Island Reds

Our Iowa Partridge Plymouth Rocks combine the greatest exhibition and utility qualities of any birds in the world. Show birds in both young and old stock sold on a guarantee to win. Also a large number of high class breeding cocks and hens for sale. We also have high class exhibition birds, both males and females, and high class breeders in both **ROSE** and **SINGLE COMB REDS**, for sale. They are of our Standard Strains of Reds, and are unsurpassed in both exhibition and utility qualities. Write us your wants and for our prices. Satisfaction guaranteed.

Iowa Poultry Farm, J. W. Clark, Prop., Box 12, Scranton, Iowa.

PREMIER WHITE WYANDOTTES

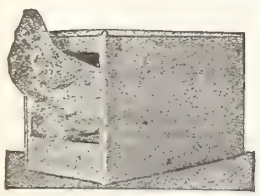
"THE KIND YOU'LL EVENTUALLY BUY"

AT CANADA'S GREATEST SHOW, GUELPH, 1913

In class of 259 White Wyandottes, viz: 45 cocks, 62 hens, 76 cockerels, 76 pullets—I won 8th cock; 1st and 7th Hen; 2nd, 7th, 8th and 10th Cockerel; 2nd, 3rd, 4th, 5th, 6th, 7th and 9th Pullet; Club Challenge Cup and Bullock Memorial for best Cock, Hen, Cockerel and Pullet; Club Specials for best Cockerel and Pullet, also best Hen.

200 Cockerels and Pullets For Sale. Eggs, $5 per 15.

Sid Saunders, Secy.-Treas. Can. W. Wyandotte Club, Box A, Ingersoll, Ont.



AUTOMATIC SANITARY TRAP NEST

THE BEST IS THE CHEAPEST

"Best that has come out." Poultry Herald.
"Thoroughly Automatic—nothing to get out of order."
American Poultryman.
"Practical, sanitary and sensible."
Southern Cal. Poultry Breeders Ass'n.
"There are none compared with it." Judge J. B. Greenfield.
"Works splendidly—tells what each is doing."
Rev. D. Earl Rhoads, Ada, Ohio.
"Hens take to it readily—it is splendid."
Robert Achurch, Charleston, S. C.
"It has come to stay." Iowa Farmer.

Metalic, vermin proof, durable. Accurately selects layers from non-layers. Has made the 300 egg hen possible. **All hail the Trapnested Hen.** No. C 521, Oregon Station, a trapnested hen bred from trapnested stock just completed 304 eggs in twelve months. Best booklet out—Free. Address:

Automatic Sanitary Trap Nest Co., - Duluth, Minn.

MADISON SQUARE GARDEN, N. Y., CHAMPION

WHITE PLYMOUTH ROCKS

They Have Won and Improved Year by Year

NOW THEY ARE BETTER THAN EVER We can please you with exhibition stock so if you wish to win write us and let us make you a proposition which means money to you. Grand cocks and hens and a great lot of choice young that will meet any demand made upon them. A few more selected breeders to sell. Write your wants and let us tell you what we can do for you. Mated trios and pens a specialty. We will please you if you are interested.

Remember This "Champion" Line

Made its records and reputation at America's greatest show, Madison Square Garden, New York. For several years at Cleveland, Ohio, Philadelphia, Williamsport, Chicago, etc., color and shape specials have been won at all exhibits and we have won five championship specials for best bird in entire shows. Consider this and write us your wants. Absolute satisfaction assured.

Webster Farm, Box A, Girard, Pennsylvania

Lichtenwalter's Quality Buff Ply. Rocks

They have won at more prominent shows the country over than any other line. Last season they were prominent winners at Madison Square Garden, New York, Springfield, Illinois, (Club Show), Philadelphia, Cleveland, Williamsport, etc. I have birds of quality in old and young and can sell you exhibition birds and selected breeders, assuring satisfaction.

E. A. Lichtenwalter : Box A : Girard, Pennsylvania

feed, but if they are well fertilized with poultry manure, a very little ground and a very little labor will raise a large number of water melons and attention to these little details in feeding pays especially well when one is trying to produce prize winners.

Chas. A. Simmonds.

Camp, Point, Ill.

Notes of Interest to the Raisers of Farm Poultry.

MOST of the farmers of the Mississippi valley keep from fifty to five hundred head of chickens on their farms to live, and maybe thrive, upon what feed would otherwise be wasted. In most cases the breed or variety of fowls kept could hardly be determined even by an expert. The "groundwork" of a decade or more ago was probably Barred Rock, to which has been added, year by year, new blood—a mixture of Reds, Silver Wyandottes, Buff Orpingtons, White Leghorns, and perhaps Black Langshans and others. As there has been no fowls marked nor breeding record kept, there is no way to distinguish between the yearling hens and those eight years old, and hence all are kept till the most ancient pass to the hereafter. This "non de script" flock of hens contain most of the primary colors besides black and white, are small in size, ill-shaped, not noted for their beauty, and returning no profit to their owner. Usually the mature fowls are not fed anything at all, except perhaps during the coldest part of midwinter, when they are thrown a few ears of corn, and there is never any provision for their water.

During the spring months there is some thought and planning on the part of someone on the farm, usually the housewife, concerning the hatching and rearing of a few chicks, sufficient to replenish the old flock, and perhaps to have a few surplus cockerels for market, or to grace the table for Sunday's dinner. The mothers are taken from their nests with their baby chicks and placed in coops near the house, where they remain for a few days or weeks to be fed on cornmeal, sometimes wet and sometimes dry, when they are given their liberty. They return to the coops only to roost, and perhaps to get a feed at night; but from early morning till night they must hunt for what feed they get. Perhaps three hundred are hatched and cared for in this way, but to the owner's surprise, when the day of reckoning comes (about Thanksgiving time) she is fortunate if she can count one-third that number. This decrease is due chiefly to the ravages of "cholera infantum," rats, hawks, etc. Through the lack of care in feeding and housing during the fall and winter, these pullets do not commence laying till March or April of the coming spring. In a month or so the round begins again to repeat itself through the year.

Rather than introduce new blood into this flock by the purchase of male birds during the winter, there are two other lines of action which I would prefer open to the owner. The first is the purchase of a pen of ten or twelve young hens and a male bird of his favorite variety of some reliable breeder at a price ranging from ten to twenty-five dollars. These should be kept by themselves in a small house and well cared for by some member of the family who has a liking for that kind of work. The eggs from these birds in the spring should be set and hatched to a number sufficient to replace

the entire farm flock. In the fall when the young birds can be distinguished from the original farm fowls, the latter should be loaded up, "teeth and toenails," and hauled away to market. All poultry buildings and yards should be thoroughly cleaned, disinfected and repaired before the young flock is placed in them. By keeping males only of the first quality and buying new ones of the same variety every two or three years, an excellent flock of pure bred fowls may be maintained.

The second method would be to dispose of all male birds before Christmas, and permit the females to live in "celibacy" during the entire year. The eggs laid by such hens would be superior to fertile eggs. They might remain exposed to the sun for several days, or even be in an incubator for a week and still be fit for food. Before the hatching season begins the farmer should bargain for all his setting eggs for that year with some local breeder for fowls of a variety suited to his fancy. These eggs should be delivered through the season as the farmer could use them, and they could be hatched either in an incubator or by his own hens. These chicks should be cared for in the best possible manner and handled the same as those in the first method.

This plan is preferable to the former for several reasons. Suppose a farmer keeps 150 hens. Should he wish to introduce new blood he would need to buy about ten males, and suppose he could get them from a neighbor at $1.00 each. During the season he would need to use about 600 eggs to produce 150 pullets fairly well developed at Christmas time. Six hundred of his own eggs could be sold on the market for $9.00. The cost of keeping the ten male birds at $1.00 each for the year would be $10.00. The initial expense in producing the 150 pullets would be as follows:

Male birds, cost	$10.00
Feed for same	10.00
Value of eggs used	9.00
Total	$29.00

At the close of the season the male birds could be sold for $5.00, leaving $24.00 as net expense. If the farmer had bought the 600 eggs at $3.00 per hundred the total expense would be $18.00. By this plan he would be $6.00 ahead, and would have a flock of pure bred fowls for the following season. By the plan of buying male birds, although they should be pure bred, the chicks derived from such mating would be only half-breeds, and practically no better than scrubs. It has been proven that pure bred birds, and even those of show quality, are more profitable from a utility standpoint than are cross-breds or scrubs. Pure bred fowls should be kept if for no other reason than that of their uniformity and beauty, and the pleasure the owner will have in caring for them.

One other point I wish to make before concluding and that is the breeding pen.

No raiser of stock would think of using his entire flock of females for breeders. Why should he set the eggs laid by his culls and sports as well as those laid by his better birds? By selecting twelve or fifteen of his best hens and pullets, and mate with them a male of superior quality, birds could be produced which would be fit to grace any show room. Each year by selecting the large, thrifty, well-marked and early maturing pullets, and every second and third year purchasing one extra fine cockerel, in a short time there will be a flock of fowls of superior

BARRED PLYMOUTH ROCKS

Good breeders at bargain prices. Cockerels and pullets that will win for you, they do for me.

ACME POULTRY YARD, C. A. GIFFORD, PROP., RUSK, TEXAS

COLLINS' Garden & Orchard Guide

Tells of practical proved varieties of fruit trees, small fruits, vegetable-roots and decorative plants—over 150,000 peach, pear and apple trees alone. Explains unique Sales Plan which saves big money to those who think and ACT AT ONCE. Write today to

ARTHUR J. COLLINS, BOX 38, MOORESTOWN, N. J

Get today our new Sales Plan



Baby Chicks, Eggs for Hatching, Breeding Stock

"Tywacana Quality" means heavy laying ability combined with fine marketing qualities and "Standard of Perfection" requirements. Improve your flock or start anew with some hardy and vigorous day-old chicks, breeding stock or eggs for hatching from

TYWACANA White Leghorns, Barred and White Plymouth Rocks

Book your order *now* for *eggs* or *day-old chicks*, as the demand for "Tywacana Strain" stock is increasing each season. Tywacana Baby Chicks and Eggs are shipped in strong, light, safe and sanitary boxes especially designed to save transportation charges and insure protection of chicks or eggs during long shipments.

Write for Free Illustrated Catalog

Send today for our big, beautiful catalog describing **Tywacana Farms Leghorns and Rocks** and giving prices on chicks, eggs and breeding stock. Prompt shipments. Satisfaction guaranteed.

TYWACANA FARMS POULTRY CO.

A. E. Wright, Supt. Box 53 Farmingdale, L. I., N. Y.

TYWACANA FARMS POULTRY CO.

If I Buy Baby Chicks Will They Mature Into Pullets Like These?



Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs, that's the question before everyone who buys day-old chicks. It is not the first price that counts—but will they be right at maturity ?

Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

From Utility Matings

Will mature into long backed, well made birds, pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

Our Flocks are Vigorous

All Fall our flocks have roamed meadows and woods accumulating health and vigor. They are now in Winter quarters so full of life and vitality that their chicks will be strong and sturdy.

Here is the Caldwell Selling Plan

We are now booking orders for "Baby Chicks of Quality" for Spring delivery. We never have been in such fine shape to handle orders of any size. Our fine plant is fully stocked with the finest birds we ever owned of both utility and exhibition quality. An early placed order enables us to so arrange our hatchings that we save money. By your faith you are entitled to that saving so we will allow you discounts for early placed orders, the earlier the greater the discount. Safe arrival of chicks is guaranteed.

A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

R. C. Caldwell : Box 1021 : Lyndon, Ross County, Ohio

EG-O — MILK — ALBUMEN

MAKES MORE AND LARGER - EGGS - BIGGER AND BETTER CHICKS

55 to 60 Per Cent Protein

MADE FROM MILK

Unequalled as an Egg Producer

INNIS SPEIDEN & CO.

Established 1816

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quality. Not only this, but the balance of the hens not used in the breeding pen will produce infertile eggs which will be worth from 2 to 4 cents per dozen more during the summer than fertile eggs. One state in the Mississippi valley loses $1,000,000 every year in marketing hatchable eggs for food purposes.

The farmer who tries this for a few years could not be persuaded to go back to his old plan. J. T. Fackler.

Mt. Vernon, Iowa.

Standard Low-Cost Brooding Devices.

On page 9 of this issue of American Poultry Journal will be found an advertisement of the All-metal, Self-regulating Portable and Adaptable Hovers, manufactured by Cyphers Incubator Company, Buffalo, N. Y., and for sale at this company's six places of business—Buffalo, N. Y.; New York City; Boston, Mass.; Chicago, Ill.; Kansas City, Mo., and Oakland, Calif. Following are two sample reports from Cyphers Company customers telling of the good work done by these brooding devices:

Birchmont Poultry Farm.
Montvale, N. J., July 18, 1913.

Cyphers Incubator Company,
Buffalo, N. Y.:

I have used several makes of hovers and after a thorough trial find the Cyphers Company's portable the most desirable. I am especially pleased with the self-regulating feature, which avoids the necessity of visiting the hover several times a night to see that the temperature is not too high or too low, as is necessary in using hovers that depend for regulation on the raising or lowering of the wick. Being portable, or "movable," this hover can be placed in a room, colony house or other poultry building, and will work satisfactorily. Should I at any time require additional hovers I certainly shall get the Cyphers Portable.

C. BULLINGER,
Buckton, Mo., July 19, 1913.

Cyphers Incubator Company,
Buffalo, N. Y.:

Our Cyphers Adaptable Hovers have proved themselves to be all you claim for them. We have tried them out in cold, rainy weather, with lots of wind, and the temperature was more regular even than the temperature of a small incubator we had in the house. We can cheerfully recommend the Cyphers Adaptable for use in any and all places where it is safe to brood chicks. It is all that the name "Adaptable" implies. We have not lost over 5 per cent of all chicks put into them. We have a 244-egg Standard Incubator about eight or ten years old, and it is still doing good work. We have the best of feeling for all Cyphers Company goods. W. WALTER HARMAN.

Reader is requested to look up the Cyphers Company's full-page ads of this issue of American Poultry Journal.

Too Late to Classify

WHITE FACE BLACK Spanish hens, $1.50 each. S. Jones, Church Creek, Md. 1

60 VARIETIES PURE BRED chickens, ducks, geese, turkeys, guineas and Belgian hares. Stock and eggs. Lowest prices; 60 page catalogue free. H. A. Souder, Box 20, Sellersville, Pa. 1-3

CHICKS from the finest stock in the country. Different varieties. Prices right. Safe arrival and satisfaction guaranteed. Catalogue free. Wyngarden Hatchery, Zeeland, Mich. 1-6

GOLDEN PHEASANTS, full plumaged, strong, healthy stock. Prices reasonable. Martin Murphy, Lombard, Ill. 1

RALPH CHANT, JOHNSTOWN, N. Y. Dorkings won 3 first Madison Square, 1913. 1-3

BUFF COCHIN BANTAMS. Winners leading shows. Birds moderate prices. Eggs, choicest, $3.00 for 10; others, $1.50. J. B. Lightfoot, Derby, Conn. 1-3

RED CAPS. Hens, $1.50 each. S. Jones, Church Creek, Md. 1

SINGLE COMB BLACK MINORCAS and White Plymouth Rocks. James Lauder, Carterville, Ill. 1-3

WHITE CHINA GEESE, $8.00 trio. Web. Hugunin, Janesville, Wis. 1

WINNING AND LAYING is a habit with Blouch's Single Comb Buff Leghorns, winning first at the world's best shows. Stock, eggs, chicks. Catalogue free. Buff Leghorn Poultry Yards, Annville, Pa. 1-3

LESLIES' SILVER CAMPINES have best Canadian ancestry. Cockerels and eggs, $3 up. Trios. Frank Leslie, Niagara Falls, Can. 1-3

GET MORE EGGS. Save grain, save labor by using the Coates method of feeding. Write today for valuable information—it's worth knowing. The Coates Poultry Feeder Co., Box E, Norwich, Conn. 1

McCARTHY'S PEERLESS RHODE Island Whites have won the majority of the firsts at the world's greatest shows. Our large illustrated catalogue is free. Carl D. McCarthy, Box Y, Kempton, Ind. 1-3

EGGS FOR HATCHING, $2.50 per 15. From large, vigorous, snow-white Orpingtons (Single Comb). Dr. John F. Schneider, 801 Oregon St., Oshkosh, Wis. 1-3

BUFF ORPINGTONS. Martz strain. Pure and direct. Exhibition quality at utility prices. Eggs, $3 and $2 per 15. John St. John, Roswell, New Mexico. 1-3

FROM PRIZE WINNERS. Catalogue free. Hamburgs, Games, Leghorns, Rocks, Langshans, Polish, Wyandottes, Brahmas. S. Jones, Church Creek, Md. 1

WORLD'S BEST ORPINGTONS. Single and Rose Comb, White, Buff, Black. Winning ones; 2,000 prizes. Show and utility stock. Eggs for hatching; prices low. Fairview Farm, Box 95, J. S. Haupt, Easton, Pa. 1-3

Poultry Books

MISCELLANEOUS.

American Standard of Perfection	2.00
A Treatise on Food and Egg Production	1.00
All About Broilers and Market Poultry Generally	.25
Artificial Incubating and Brooding	.50
Asiatics	.50
Bantam Fowl	.50
Belgian Hare Guide	.25
Belgian Hare Course of Instruction	2.00
Biggle Bee Book	.50
Biggle Pet Book	.50
Biggle Poultry Book	.50
Canary Birds (110 pages)	.50
Capons for Profit (Grenier)	.50
Cement Workers' Hand Book	.50
Corning Egg-Book, and four years' subscription to Farm Journal	.75
Don't Kill the Laying Hen (Potter System)	1.00
Ducks and Geese	.75
Eggs and Egg Farms	.50
First Lessons in Poultry Keeping, Series 1	.50
First Lessons in Poultry Keeping, Series 2	.50
$4,223 in One Year on a Town Lot	1.00
500 Questions and Answers (Darrow)	.25
From Shell to Show Room	.50
Guinea Culture	.25
Hand Book (contains valuable recipes and trade secrets, feed care and management in health and disease). (Pocket size)	.15
Handy Egg Record and Poultry Account Book	.25
How to Operate Incubators and Brooders Successfully	.25
How to Raise Chicks (Woods)	.75
How to Raise Poultry for Pleasure and Profit	.25
Indian Runner Duck Culture (Yoder)	.75
Indian Runner Duck Book (C. S. Valentine)	.75
Kellerstrass Book	1.00
Leghorns	1.00
Minorcas of Every Comb and Color (Northup)	.50
999 Questions and Answers (Heck)	.50
Open Air Poultry Houses (Woods)	.75
Origin and History of All Breeds of Poultry (containing colored illustrations of 198 different birds and mating of the breeds)	1.00
Philo System	1.00
Plymouth Rocks, all varieties	1.00
Poultry Feeding and Fattening (G. B. Fiske)	.50
Poultry Keeping in a Nutshell	.50
Profitable Egg Farming	.50
Progressive Poultry Culture (A. A. Brigham)	1.50
Profits in Poultry (cloth)	1.00
Profits in Poultry Keeping Solved	1.00
Questions on Swine Raising Answered	.25
Rabbit	.25
Rhode Island Reds	.75
Rhode Island Reds (Hewes)	1.00
Rules of the Cock Pit	.25
Secrets of Expert Exhibitors and Easy Lessons in Judging (Heck)	2.00
Standard Wyandottes in Colors and How to Judge Them	1.00
Successful Poultry Culture for Pleasure and Profit	.50
Successful Poultry Keeping	1.00
The Orpingtons (Drevenstedt)	.75
The Plymouth Rocks, All Varieties	1.00
The Poultry Book	5.00
Tricks of the Poultry Trade and Poultry Culture, 1 year	.60
Turkeys and How to Grow Them (154 pages), cloth	1.00
Turkeys, Their Care and Management	.75
200 Eggs per Hen per Year (Warren)	.50
$2 a Day from Poultry and Eggs	.50
Twelve Months in the Poultry Yard (W. Theo. Wittman)	.25
Why Poultry Pays and How to Make It Pay. A book for the beginner, full of valuable information and drawings	.50
Winter Eggs	.25
Lewis Wright's New Book of Poultry	8.50
Wyandottes (by various authors)	1.00

DISEASES AND CURES.

The Diseases of Poultry (by D. E. Salmon), paper	.50

POULTRY HOUSES AND PLANT CONSTRUCTION.

Cement Worker's Hand Book	.50
How to Build Poultry Houses (complete diagrams)	.50
Open Air Poultry Houses (Woods)	.75

PIGEONS.

Breeding and Training of Homers	.25
Diseases of Pigeons (Summers)	.50
Money in Broiler and Squabs (Boyer)	.50
National Standard Squab Book	1.00
Pigeon Standard (Twombley)	.50
Profitable Squab Breeding (F. Foy)	.50
Squabs for Profit (Rice and Cox)	.50

American Poultry Journal, 542 South Dearborn St., Chicago, Ill.

POULTRY CUTS



Our new catalog now ready; latest and best designs; all varieties; ask for it today

Chas. L. Stiles, Columbus, Ohio

GROW YOUR OWN VEGETABLES

Cut down your living expenses. It's easy and healthful to cultivate a garden, if you use

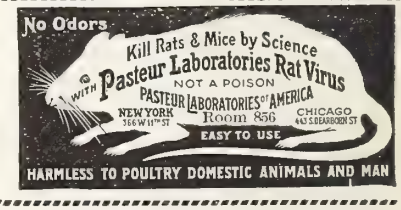
Planet Jr Garden Tools



Adapted to almost all garden uses. Opens furrows, plants, covers, and marks next row in one operation.

Free An instructive 72-page catalog. Send postal for it today

S. L. ALLEN & CO. Box 1202-H, Phila.



Wysocki's Silver Campines

Stock, Eggs and Day-Old Chicks of quality at reasonable prices. Mating list sent upon request.

J. WYSOCKI, 431 Lafayette St., Aurora, Ill.

$4,223 in One Year on a Town Lot

IS WHAT H. CECIL SHEPPARD OF BEREA, O., ACTUALLY MADE BY KEEPING CHICKENS FOR PLEASURE

Mr. Sheppard was a city man; he lived in Cleveland for a number of years, but being in poor health, he was obliged to move to the country in order to prolong his life. He knew nothing about the chicken business when he moved to Berea in 1906, but he was an apt pupil. He discovered mistakes when he made them and was continually on the lookout for improvements. He started with a small flock and increased this with his knowledge of the business, and incidentally increased his business from $160 the first year to $9,500 the sixth year. In submitting the manuscript for his book, Mr. Sheppard wrote:

"Several parties have come to my place and sought information regarding my methods of conducting my chicken business. Some have told me they would pay $5.00, others as high as $25.00, if I would tell them how I run my business. I have told them that I have no secret, but it would take considerable writing and time to give them a detailed description of my methods. I decided to write it up and put it in a book so that anyone can have it for a reasonable price."

In his book, Mr. Sheppard clearly describes every detail of his business; the start and progress; the care of housing, feeding and mating the birds; the secrets of his success are explained in plain English. What a poultryman says about it:

"Mr. H. Cecil Sheppard, Berea, Ohio. Watervliet, New York, January 26, 1913.
Dear Sir:—I wish to compliment you upon your book, "How I Made $4,223.00 in One Year on a Town Lot with Chickens." I read it through very carefully and am pleased to say that anybody purchasing a copy of it will get many times the value of the small sum you sell it for. I found it full of excellent poultry advice and while I have handled poultry for years, and found therein things I already knew, I still found plenty of advice that will help anyone make a success with poultry if they will only do as your book tells them. Yours respectfully, EDWIN G. GLASS, Manager Arsenal City Poultry Yards."

BE INDEPENDENT

Keep chickens as a side line. Follow the footsteps of successful poultrymen like Mr. Sheppard and make good.

OUR OFFER: This book, "$4,223.00 in One Year on a Town Lot," and American Poultry Journal, one year **$1.50**

(Canadian subscribers add 25c a year for postage; foreign, 50c)

American Poultry Journal is the one great poultry paper of America, established in 1874, published monthly, contains an average of 150 pages to each issue, and is profusely illustrated. American Poultry Journal is the oldest, largest and best poultry paper published. The best writers and successful poultrymen write exclusively for American Poultry Journal and every successful poultryman is a subscriber to this grand paper. The subscription price is $1 per year; for sale at all newstands, 10c per copy. Take advantage of this great offer today and learn all about the great billion-dollar poultry industry. Send all orders to

American Poultry Journal Publishing Co., 540 South Dearborn Street, Chicago, Illinois



THE 1912 REVISED EDITION OF THE AMERICAN
STANDARD OF PERFECTION

The only American authority on the required characteristics of all breeds and varieties of chickens, ducks, turkeys and geese. **You cannot raise, mate, exhibit or sell fowls intelligently without it.**

This Great Book was revised this year (1912) and gives the correct Standard shape, color and weight of every recognized variety of chickens, ducks, turkeys and geese, as well as the disqualifications of each variety. The book contains 332 pages of descriptive matter and ideal illustrations of the different varieties of fowls, photographed from living models. Also

Five Full-Page Illustrations of Feathers in Natural Colors

to guide the breeder in getting the correct color of plumage on his birds. No one can breed birds of any variety for exhibition without a copy of the **American Standard of Perfection** as a guide, and it is the only book of its kind published in this country. It is authorized, copyrighted and published by the American Poultry Association. **Price postpaid, cloth, $2; leather, $2.50**

OUR SPECIAL MONEY-SAVING OFFER

The Standard (cloth) and American Poultry Journal one year..... $2.50

If you want leather binding add 50c to this price. Canadian subscribers add 25 cents per year for postage; foreign 50 cents

American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Ill.

The Doctor's Side of It.

Laugh, if you like, at the doctor's mistakes—
And I reckon we all make a few—
He's giving the universe more than he takes,
Which is more than the most of us do!

Feather your arrows with humorous chaff
And tip them with satire and bile,
But don't ask your target to join in the laugh
He's entirely too busy to smile!

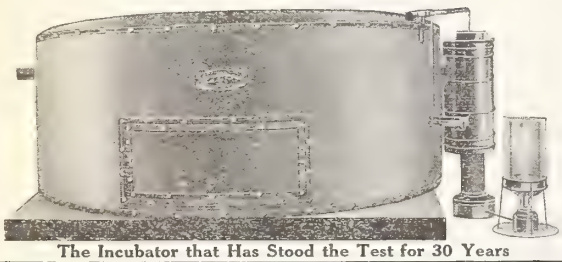
For General Practitioner, Army of Health,
Is fighting the terrors you fear,
While you are discussing his "ill-gotten wealth."
(Most likely, a thousand a year!)

He's saving you sickness and giving you strength,
And it's easy to laugh when you're strong;
But one of your terrors may get you at length
And alter the pitch of your song!

Then you will remember the jests you have made
And scorn his assistance, no doubt!
Or you will entreat him to fly to your aid
With the skill you have jested about?
—C. H. Mackintosh, in Judge.

Interesting Item.

Mrs. E. L. Rowland, 629 Longfellow avenue, says she has no trouble in making her rose comb Orpingtons lay in the winter. Some of them have begun to lay at seven months, and kept at it through the cold weather and well into the early summer. She gives a variety of food to her layers, not by an unvarying schedule, but according to her judgment as to what they need. Wheat, corn, oats, bran and dried clover lawn clippings, together with raw carrots, beets and cabbage, and all the potato parings from the table boiled, are the winter rations. A slightly warmed wet mash of the corn, oats and bran is a favorite egg-potion used by Mrs. Rowland, and she always gives slightly warmed water in cold weather. Last winter Mrs. Rowland was called away from home suddenly, and was absent during the greater portion of the winter, which prevented her showing at the fall or winter poultry shows. This fall she expects to go into the interstate fair with several of the best birds she can produce from two matings this season, and also to put a few individuals in the Inland Empire show. An incubator is now running with 130 eggs.



The Incubator that Has Stood the Test for 30 Years

AXFORD
Round
Incubators

Hatch more strong, vigorous chicks than any other.

Write for Catalog today—it will please you.

Chicago's Mammoth Hatchery
729 E. 45th St., Chicago, Ill.

Hatch Chicks in Your PARLOR
Bedroom, or anywhere about the house, with the
"LO-GLO" ELECTRIC INCUBATOR
All Metal. Fire-Proof. Indestructible.

The "LO-GLO" ELECTRIFIES THE POULTRY BUSINESS, and is the absolutely perfect electric incubator, that does away with all muss, fuss, smells and uncertainties. It's all metal, completely **SANITARY**, can be washed like a dish pan, and **COSTS NO MORE THAN ANY OTHER STANDARD MACHINE.**
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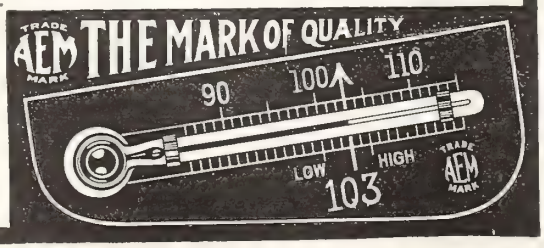
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CAMPINES

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A Remarkable Winning.

J. C. Fishel & Son of Hope, Ind., the well-known breeder of the "World's Best" White Wyandottes, made a grand winning at the late Cincinnati show where they won as follows: 1-2-3-4-5 cock, 1-2-4 hen, 1 2-3-4 cockerel, 1-2-3-5 pullet, 1 old pen, 1-2-3-4 young pen; special for best cock in the show and special for best pen in American class and all White Wyandotte specials. Theo. Hewes, judge. This was the largest show ever held in Cincinnati. Considering the number of birds and quality Mr. Fishel is to be congratulated on the grand winning he made.

The firm issues a very beautiful catalog which gives prices and particulars about their stock. Also much valuable information in regard to feeding, mating, etc. Send for copy and mention American Poultry Journal.

Warner the Coopman.

Warner the Coopman, Allegan, Mich., is so rushed with orders and has been rushed for three months past that he cannot get caught up. The show coop trade is growing rapidly and shipping coops and day-old chick boxes nearly covered him up all last winter and spring. His trade on egg boxes holding from three to thirty dozen for choice eggs for setting and fancy egg table trade was the best it had ever been. Repeated orders are what count, and he gets lots of them.



WARNER'S EXHIBITION COOP.

The reason for this is the goods are their own advertisement. Mr. Warner thinks the best is none too good, and puts the best labor and material into his goods. We would make special mention of the Warner Feed and Water Cups, egg boxes and leg bands. Do not forget that he carries the best grades of everything for the poultryman, and we take pleasure in recommending Warner the Coopman and his supplies.—H. H. Coburn.

Parsons' Poultry Plant.

Parsons' Poultry Plant is located at Avon Lake, Ohio, and makes a specialty of breeding S. C. White Orpingtons and R. C. Rhode Island Reds of the higher quality, and is one of the most up-to-date and practical plants in Ohio. The buildings are practical and kept rigidly sanitary, and the young stock is range raised. Both natural and artificial means are practiced for hatching chicks. Last spring's matings produced some excellent young stock and many favorable reports were received from customers. This show season has opened with Parsons' S. C. White Orpingtons and R. C. Reds well represented and they are winning wherever shown. The Parsons are formerly of England, and ought to know what a good Orpington is and how to mate birds to produce correct Orpington type; therefore, the type of their Orpingtons is second to none. The "Major," with three ribbons to his credit, first at Toledo, 1913, in a large class, and winning third and fourth at Cleveland, 1913, shows him to be a bird of exceptional quality. This bird was placed at the head of their best pen last spring and among the females mated to him were such fine birds as 1-3 Toledo hens, second Toledo pullets and third and fifth Cleveland hens. The young stock from this great mating proved all that was expected and more. This wonderful sire has a straight, neat, fine point comb, red eyes and pink shanks, so his cockerels are as fine as grow; great big healthy fellows and very white.



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S. C. WHITE LEGHORNS
exclusively. 200 choice breeding cockerels at bargain prices. Write your wants. Catalog free
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Order Now
Barred and White Rocks
Hardy, vigorous, pure bred—the strain noted for heavy laying. Shipped anywhere, safe delivery guaranteed. Reserve order now for later. Prices low, write—new free book. **Pittsfield Poultry Farm Co., 102 Main Street, Pittsfield, Me.**
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Send for free illustrated catalogue, which tells you much you should know. Stock and eggs at all times. Mention A. P. J.

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Improved Champion Strain, bred from imported stock. Chicago winners. Exhibition and utility stock both old and young. Eggs and day old chicks in season.

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but send to G. B. Smith & Son and get eggs to hatch from their big birds, that lay them big and a lot of them. Three pens of each,

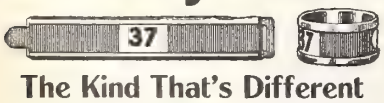
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F. A. MARSHALL

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The pullets are simply superb. Many of the cockerels and pullets can land the blue in fast company. Two other great sires were their second Toledo, third Cleveland cockerel and fourth Toledo cock.

Much of the Parson's Rhode Island Red Stock has been purchased from Kaufman & Windheim; among them "Bill-Salome," a son of Bill Taft, Jr., and "Salome," Kaufman & Windheim's celebrated winners, and is a full brother of their first and second Madison Square, 1912, cockerel. Of course a long price had to be paid for a bird of such ancestry and superior quality. This "Bil Salome" has a wonderful type and has the most even surface and under color possible to be obtained. He was mated to Kaufman & Windheim hens and some of his own pullets, and the cockerels offered by the Parson's Poultry Plant in this issue are sired by him; they have quality all over all the time. The son of the Governor's first Cleveland cockerel, 1911, is a wonderful bird in type and color, and his young stock is excellent. At the Cleveland show, December 5-7, 1913, the Parson's Poultry Plant S. C. White Orpingtons won on three entries and in swift company, fourth cock and fourth pen. The pens will be mated in January for the egg and baby chick trade and will be stronger in quality than last year. Of course, the great sires mentioned here will again be used and the females mated to them will be strong in quality. Their prices are reasonable and they give great value for your money. Address Parson's Poultry Plant, Avon Lake, Ohio.

Ira C. Keller.

When we made our annual rounds we visited at the Brookside Poultry Farm owned by Ira C. Keller, Prospect, Ohio, breeder of Golden, Silver and White Wyandottes and Seabright Bantams. The general fine quality of the stock greatly impressed us; of course we expected them to be on the gain in quality, knowing a man of Mr. Keller's caliber would not and could not stand still. When it comes to mating Laced Wyandottes and Seabright Bantams Mr. Keller is in a class by himself, and when it comes to strict adherence to type it takes Mr. Keller to stick religiously to it. My attention was especially drawn to a golden laced hen whose lacing was nothing short of marvelous, equal to that of his best silver laced hen. The way he produces this fine lacing is by using males especially bred for that purpose. His laced Wyandottes are laced all over, fluffs especially good; that most desirable round open, clear lacing with well striped top color of the males and bright hackles of females, with good black and sunny color; the Silver Laced and Goldens are of that uniform clear oval lacing; all sections strong; hackles well striped and saddles with clear open diamonds so much sought for, and that clear rich golden bay color that glistens like the sun.

Mr. Keller has had over thirty years' experience in producing this high quality of lacing and there are no large flocks that can touch his uniformity. His White Wyandottes are of exceptional quality; the snow white, stay white kind with ideal Wyandotte type; neat combs, bay eyes. Mr. Keller has constantly in mind the utility side and the egg production has gradually improved; one pullet has a record of 243 eggs in ten months, and forty hens and pullets laid an even 4,000 eggs in five months. There are at least 100 yearling cock birds ready to win in any show room. It will be remembered that Mr. Keller has one of the largest poultry farms in the country, that is he has capacity to house thousands of birds and does everything on a large scale. He has a complete miniature mill on his farm and grinds all of his feed.

His Seabright Bantams are as choice as grow. He has won at Madison Square Garden for years and has shipped Wyandottes to all parts of the globe safely. He is reasonable in prices and can fit out anyone for any show and has hundreds of first-class breeders for sale. He will mate them right for you. Write for prices and circulars. Address Ira C. Keller, Prospect, Ohio.—H. H. Coburn.

The winnings of Ralph Woolery's S. C. White Orpingtons at Columbus, Ga., was a record breaker. The class of 175 birds was the largest in the show, with quality all down the line. Mr. Woolery's winnings were as follows: 1-2-3 cock, 2 hen, 1-3-4 pullet, 1 pen; first for best display and a number of specials and cups. The pure white of the cockerels and pullets and the perfect type made this exhibition the admiration of the show. He has a lot of the same breed to offer for other shows. Address R. W. Woolery, Bloomington, Ind.—H. H. Coburn.

"Get right on Poultry Supplies." Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis Bldg., Chicago, for latest catalogue. They manufacture Moe's line of useful devices invented by a successful breeder for his own needs and they are what you want.

The Pagel Poultry Supply Company, Rockford, Ill., are manufacturers of Pagel's Sanitary Fountain, Economy Dry Feed Hopper and other poultry supplies, including Pagel's Perfection Sanitary Chick Fountain and Feeder, Pagel's Poultry Regulator and Pagel's Louse Powder, all of which are sold on their merits and at prices anyone can afford to pay. Write for descriptive circular and price list to Pagel's Poultry Supply Company, Box 211, Rockford, Ill.

Dont forget to read back inside cover

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Bryn Mawr Park, Yonkers, New York

White and Buff Orpingtons, White Wyandottes, White Leghorns, Single and Rose Comb R. I. Reds.

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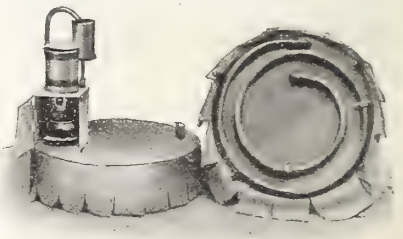


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All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.

A. P. Spiller : Dept. A : Beverly, Mass.



At the California State Fair

Sept. 13-20th, 1913,

We were awarded **FIRST PREMIUM** on

Incubators and Brooders

Also a **Special Diploma** on the **Brooder.** Note the lamp on top of hover, copper coil heater, steel coil radiator. No fumes, no danger, a **Godsend** to the poultryman. Send for circular.

The VICTOR INCUBATOR CO.

Decoto, California

Wiebke's Brown Leghorns.

We always enjoy visiting the W. H. Wiebke's S. C. Brown Leghorn farm in the suburbs of Ft. Wayne, Ind. As a business man Mr. Wiebke stands high in the esteem of the Fort Wayne people and to the poultry public this estimation runs high, for his dealings are decidedly on the square. He has given his best efforts, both in study and labor, as well as financially, in production of S. C. Brown Leghorns, and has succeeded beyond all expectations. It is his skill in mating that has crowned his efforts with success. This year he has a flock of the most uniform colored cockerels he ever had the pleasure to raise; every one models in type and not a high tail among them; the color is exquisite green black in the black sections and free from purple. Heads and combs just what will make the Leghorn men sit up and take notice. The striping is what he always has, because it is in his birds. Mr. Wiebke says he doesn't see why some complain of culls, he never has any. He uses the double mating system, like all good Brown Leghorn breeders. The Wiebke Brown Leghorns have won 50 firsts at New York, Chicago, Indianapolis and Fort Wayne, besides winning in all parts of the country for customers. Line-breeding, coupled with a thorough knowledge of the requirements of the variety, is what produces these top notchers for him. His first Chicago cock, 1910, has proven himself a great sire of exhibition males; the first prize Boston cock is remarkable for his fine point comb, shape and color; there never grew a better Leghorn with better stripes in hackle and saddle and no Leghorn can approach him for style. Mr. Wiebke's catalogue shows cuts of these birds and explains his way of doing business; get into correspondence with with him and improve your flock with one of his males.—H. H. Coburn.

Golden Campines.

Gensemer Bros., Creston, Ohio, were among the first to realize the great possibilities in Silver and Golden Campines, when the boom was at its zenith, and are now ranked among the largest and most successful breeders of the wonderful little egg machines. They are well fixed financially, and this enabled them to start right and to import some of the best Campines in England, among them Crystal Palace Winners, descendants from the great Silver King. The Golden pen they first imported proved wonderful producers and bred some of the finest hen-feathered males we ever saw. Hen-feathered males are hard to get, and it takes experts like the Gensemer Bros. to produce them. The Silvers produce a greater percentage of them than the Goldens.

The Gensemer Campines are responding most satisfactorily to their expectations, both from the fancy points and egg-producing proclivities. They are special mating to produce larger birds, and this season's young stock shows a decided gain. In Belgium, their native country, they had to be kept in very cramped quarters and range on poor land, but in America they have got room to expand and breathe; the general conditions are more conducive to larger growth. Last year at Cleveland they won the following prizes: On Goldens, 1st pen, 2-3 cockerel, 2-4-5 pullet; on Silver, 1st cockerel, 3rd pullet, 2nd pen. To anyone desiring high-class exhibition Campines or first-class breeders we take pleasure in recommending Gensemer Bros., Creston, Ohio.—H. H. Coburn.

Rocky Run Farm.

The Evergold Buff Wyandottes, exhibited by Rocky Run Farm, Northfield, Ohio, certainly manifested their superiority in the most convincing manner at the Cleveland show, December 2-7, 1913. The class was large and competition keen. The uniformity of color, which is that beautiful soft, golden shade, was featured in the great pen winnings. Evergold won 1-2-4-6 pen, 1-3-4-5-6 cockerel. This ought to make anyone chesty but the modest Gerald Williams, the manager of poultry interest at Rocky Run, and to whom much credit is due for bringing them out by his expert mating system and conditioning. They also won 3-5 cock and 4 hen and Ohio state championship. Determined to have Rocky Run Wyandottes lead the world, and not considering the cost, they bought all of F. W. De Miner's Madison Square Garden and Cleveland winners. This places them in a position to mate up the strongest pens for the egg trade ever mated by any Buff Wyandotte specialists. In looking over and handling the Evergolds, we found them buff to the skin, ideal in type and grand in head points. Rocky Run is offering some top notch cockerels for sale. —H. H. Coburn.

Better read that back inside cover right now. Its a sure base hit

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Better than ever, with type and color galore is the least we can say of the hundreds of youngsters developing on our ninety-acre range. Grand exhibition and breeding stock for sale, both young and old. Your money's worth or your money back and you to be the judge. Send for cat.

IDLEWOOD POULTRY FARM, -:- AVONIA, PENNSYLVANIA

STAFFORDDALE FARM, PLYMOUTH, MASS. **Where Morrison's S. C. Reds are bred.** Do you want **Real R. I. Reds** that will **win**; that fill the bill with **type, color and size?** Will give grand bargains in eggs for 1914, that will hatch, and hatch winners for the big shows. Won at Kingston, December, 1912, 2-5 cock, 1-4 hen, 4 cockerel, 4-5 pullet, 2 pen; Lawrence, December, 1913, 1-2 hen, 2 specials, silver cup for best exhibit—both combs competing in the keenest of keen competition. **J. L. MORRISON.**

CHICKS AND EGGS

Holtzapple's S. C. REDS

Have won at Cleveland, Columbus, Toledo and Ft. Wayne. Orders booked for Spring delivery of chicks. Send for catalogue.

OSCAR HOLTZAPPLE, Box 48, Elida, Ohio

$5.75 Buys This 150-Egg Incubator

With Brooder $8.25



IF there's a poultryman anywhere in United States or Canada who is in the market for an incubator, here's a chance to get a **1914 Reliance** and save $10 to $15 in the bargain.

Nothing like this has ever been offered before. You not only save $10 or $15 that you can put into prize fowl, chick feed, etc., but you get an incubator that **practically runs itself, requires very little oil** for a big hatch and **hatches every hatchable egg put on the egg tray.**

Guaranteed To Hatch as Many Chicks as any $15 or $20 Machine

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Read What the People Say About the Reliance

600 Chicks from Four Hatches

"The machine you sent me last Spring gave entire satisfaction. Had fine luck. I set it 4 times and got about 600 chicks. I want to get a couple more this year, possibly three. Please send me latest catalog."--Wm. Lingl, Rochester, N. Y.

Orders Another Reliance

"I received incubator and brooder and am perfectly satisfied with same. I am much delighted with both machines and the prices, and I will send you an order for another incubator and brooder."—A. Hartman, Houston, Mo.

Sold Two to Neighbors

"Received my incubator all O. K. Have 1 hatch off. Got a 90 per cent hatch. The incubator and myself have sold two more for you to my neighbors. We are all very much pleased."--Mrs. Chamberlain, Albany, Wis.

136 Chicks First Hatch

"I received the incubator some time ago and have taken off 1 hatch with 136 chicks. I am more than pleased with your incubator. I have shown the machine to all my friends and they will surely send you their orders. I will get another incubator next season, and you may be sure it will be the Reliance."--Harrison Furman, Hasbrouck, N. Y.

The time is just right for making big hatches—big money. Start now with a Reliance; get an extra hatch in before season is over. Every extra hatch means just that much more profit for you. Order direct from ad or get literature.

The Reliance will give you satisfaction. Why not order a 70 or 150-egg size—now? You're safe in sending money, as we guarantee satisfaction or refund purchase price.

because of their perfect construction and improved regulator systems, are sure to become the hatching sensations of the year.

Beginners can be as sure of succes as old-timers. All without lessons to learn, books to study, or endless attention and hard work required by old models.

You can't go wrong with the 1914 Reliance. It is so nearly automatic in action, that a boy or girl—in fact, anybody who has never seen an incubator—can get best results—even to 100 per cent hatches—by merely following the simple directions sent with each machine.

Here Are the Prices That Will Win Your Order

No. 1. 150-Egg Incubator, Guaranteed, - **$5.75**
No. 2. 70-Egg Incubator, Guaranteed, - **$3.90**

No. 3.		No. 4.	
150-Egg Incubator,	$5.75	70-Egg Incubator,	$3.90
150-Chick Brooder,	3.00	70-Chick Brooder,	3.00
	$8.75		$6.90
Both for $8.25		**Both for $6.25**	

You can't go wrong buying a Reliance—either size, or in combination with brooder.

The 1914 Reliance is made of best lumber. Side walls and top are made of three thicknesses—cold can't get in, heat can't get out. Equipped with best regulator, thermometer, egg tester, lamp, egg trays. Beautiful finish, handsome steel legs.

The Reliance is guaranteed to make chicken-raising pay big profits. No losses, no repair bills, no extras to buy, no waste of oil. Better order yours—incubator and brooder—or both—right now from this ad. You'll never get any other such offer.

If you want particulars, write for our literature. We send just a plain circular, but it's filled with Reliance Incubator facts and reasons why we can sell better than a $15.00 hatcher for only $3.90 or $5.75.

Orders filled same day received. Address

Reliance Incubator Co., Mfrs. of Grain Sprouters, Incubators and Brooders
Dept. A 2, Freeport, Ill.

Order Direct From Ad and Start Early This Season

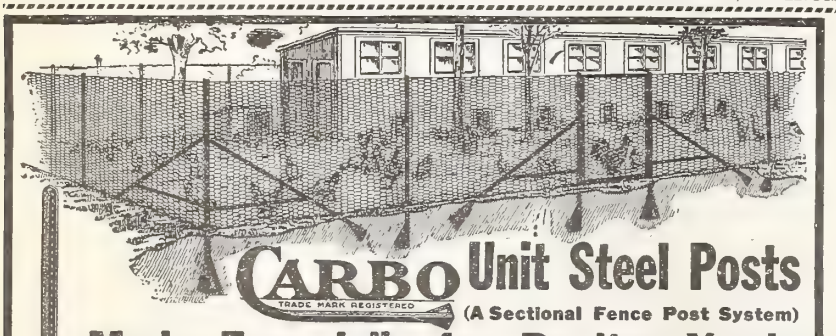
Schoof's S. C. Buff Orpingtons.

Early last fall the writer had the pleasure of visiting Walter Schoof's farm and handling his classy S. C. Buff Orpingtons. Mr. Schoof has some wonderfully fine birds and last spring, wishing to introduce new blood, he purchased eggs from A. E. Martz, and that, too, from his best pens, and he certainly got young stock that showed up their ancestors. The Imlay City Fair is one of the best in Michigan, and the poultry exhibit of high class. Mr. Schoof's Orpingtons won 1-2-3 cock, 1-2-3 cockerel, 1-2-3-4 pullet, 1-2-3 hen and 1-2 pen.

Mr. Schoof showed good business sense by starting right and making haste slowly with quality in view rather than quantity. He can now offer some of the best S. C. Buff Orpingtons in the country. At the present writing he is getting a strain ready for the State show at Detroit. Many breeders run strong in quality in one sex only, but Mr. Schoof's are about equal. I can highly recommend Mr. Schoof and his S. C. Buff Orpingtons. Look up his ad in this issue and get his prices.—H. H. Coburn.

Rose Comb Black Minorcas Made a Clean Sweep

at the Illinois State Fair, 1913, **winning 1st, 2nd, 3rd and 4th cockerel, 1st, 2nd, 3rd and 4th pullet.** No old stock exhibited. I can furnish you winners for any show. Write your wants and get my prices. **J. S. BALES, :: SPRINGFIELD, ILLINOIS**



CARBO Unit Steel Posts

TRADE MARK REGISTERED

(A Sectional Fence Post System)

Made Especially for Poultry Yards

Just the practical fence foundation you have been looking for. No fussing with odd sizes. Simply bolting together Carbo unit posts (standard poultry line posts) makes all corner, gate and end posts and braces. Carbo Steel Posts are heavily galvanized, most durable, perfectly sanitary. **Easy to set—take little space—lice, vermin and mite-proof.** Look good and hold fencing everlastingly firm.

Endorsed by Ames Agricultural College

and other leading agricultural schools, also by famous poultry fanciers. Used by United States Government.

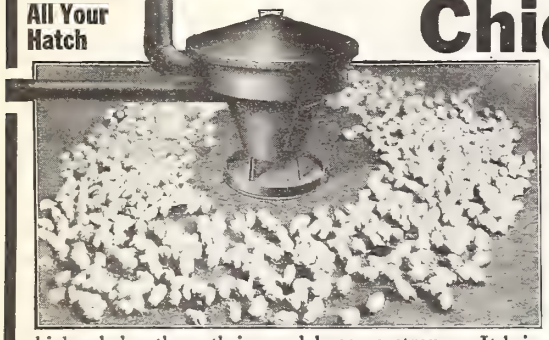
Ask for Complete Price List

Units for 5 ft. fence 45c from any of our 12,000 dealers. Write for users' offer P. Poultry Post Facts, and name of nearest dealer.

CARBO STEEL POST CO., 891 Rand-McNally Bldg., CHICAGO, ILL.

Free Book Tells How To Save All Your Hatch

Count Your Chickens



—not before they're hatched; it isn't safe; you may be disappointed. But it's safe to count them as soon as they're hatched, providing you have installed the Duplex Colony System of Brooding. If you can hatch fifty chicks at a time you cannot afford to use any other system.

This modern system raises even the weakest chicks, helps them thrive and become strong. It brings cripples to maturity. It saves every chick not suffering from organic defects.

Our book on "Colony Brooding" tells all about this system which not only **raises all chicks to maturity,** but **positively saves three-fourths labor and fuel expense.**

Duplex Combined Brooder Stove And Ventilator

Made in Three Sizes

50 to 300 Chicks
100 to 800 Chicks
500 to 1500 Chicks

This system of Brooding can be installed with less expense than any other system in use anywhere. It raises enough more chicks out of the first hatch to pay for itself. It is efficient and economical. It costs less for fuel and is dependable at all times, raising chicks as successfully in mid-Winter as in May or June.

Fresh air is the secret of successful brooding. The Duplex Combined Brooder Stove and Ventilator keeps the air perfectly pure and warm at all times without holes in the walls or ceilings; therefore, there's no possibility of a draught.

All the fresh air comes into the brooder house through the stove and is heated before it can pass into the room.

All the poisonous gases from the breath and droppings of the chicks are taken up off the floor and leave the room through the stove, with the air on the floor. The circulation is complete, and perfect ventilation is secured without the loss of a single heat unit. Burns cheapest kerosene, natural or artificial gas.

Every Chick Saved is a Dollar In Your Pocket

FREE Book "Colony Brooding" tells how to **save chicks, save dollars.** Send for it. Book also explains all features of Duplex Brooder Stove and describes all different sizes. Will quote you low price upon postal request. Get the book; it's FREE.

Duplex Colony Brooder Co., 482 N. Avon St., Rockford, Ill.

Walker's Barred Rocks.

G. A. Walker, Polo, Ill., the well-known breeder of Barred Plymouth Rocks, showed a few of his birds at the late Coliseum show in Chicago, and in one of the largest classes ever exhibited at Chicago, he won, 2-5 pullet bred cockerel, 5 exhibition pen, and 5th pullet mated hen. He also made a strong winning at Davenport, Ia., where he won 1st cockerel bred hen, 1st exhibition pen, 1st pullet mated pen, 2-3-4 exhibition cock, 2 pullet bred cock, 2-3 pullet bred cockerel, 2nd exhibition pullet, 3rd cockerel bred pullet, 2nd cockerel bred pen. $25.00 cup for best display in the show. American Barred Rock Club cup and two cups on pens. Mr. Walker has a number of very choice cockerels and pullets to spare and ships all birds on approval.

W. F. Zimmerman, whose R. C. Reds won at Cleveland, 1913, will again be ready for the next Cleveland show, Jan. 5-10, 1914. Mr. Zimmerman is the breeder of some of the best R. C. Reds in Ohio. He is a strong advocate of Ideal Rhode Island Red type, and in consequence his birds are very fine in type. He also thinks fine head points are a very essential requirement, as they are about the first thing noticed when the purchaser peeks into the shipping coop; so the Zimmerman R. C. Reds have very neat combs and bright bay eyes; they are also noticeable for their long backs and low tail carriage. He has the mating of Reds down to a fine point and is a close adherer to very dark birds, never using any other color. He has just finished a fine poultry house and has about 200 range-raised R. C. Reds to sell, and these were bred from his Cleveland winners; he also has a few S. C. pullets to spare, as he intends breeding only the R. C. Reds in the future. His 1914 pens will be the best he ever mated, and purchasers of eggs can be assured of fine stock and a great percentage of show birds. Address W. F. Zimmerman, Willoughby, Ohio.—H. H. Coburn.

Fred H. Poertner, Berea, Ohio, distinguished himself as well as his S. C. Buff Orpingtons at the late Cleveland show, by winning silver cup for best display, all varieties of Orpingtons competing; also landing the following ribbons: 1-4 cockerel, 1-3 hen, 2-3-4 cockerel, 1-2-4 pullet, 1-3 old pen, and 2 young pen. The competition was strong and the above is a capture to be doubly proud of. We have seen the Wingolds at Mr. Poertner's farm and handled his Cleveland exhibit, Dec. 2-7. The type of these birds is nothing short of the ideal; head points as fine as ever seen, and when it comes to soft golden exhibition Buff, the Wingold Buffs are second to none. He received many flattering testimonials that bear out the above statement. He is in a position to furnish first-class exhibition and breeding males to anyone desiring to improve their Buff Orpingtons and Buff Wyandottes. His matings in these two varieties will produce young stock that will make them all go some in any show room. Write for prices and catalog.—H. H. Coburn.

Bird & Son, East Walpole, Mass., makers of Neponset Waterproof Building Products, the best known of which are the roofings, building papers and wall board, have recently started to manufacture a shingle.

They have just had printed a booklet called "The Greatest Roofing Development of the 20th Century," and also a folder containing a sample of the shingle, and anyone interested in this new product will do well to obtain a copy of one or both of these pieces of advertising matter.

Neponset Shingles possess all the good features of wooden shingles and none of their defects. They will outlast wooden shingles and will not catch fire from sparks and embers as wooden shingles do. In appearance they are unusually attractive. These shingles are made with a thick butt end and are shipped in bundles and laid like ordinary wooden shingles.

Ernst Birkholz, Willoughby, Ohio, a very noted S. C. Rhode Island Red fancier, has some of the finest type, long back, low tail carriage Reds to offer he ever raised. These Reds are raised on range with good mother hen and this speaks for their health and vigor. In color they are very rich, deep red, and there are five-point combs galore. The Birkholz S. C. Reds have a fine show record to their credit and at the last Cleveland show in December won 3rd cock and 2nd pen. To get a place at all among this Waterloo exhibit is a great honor. He has some very choice cockerels to spare and is mating up some excellent pens. I take great pleasure in recommending Mr. Birkholz and his S. C. Reds to anyone wishing good ones at reasonable prices.—H. H. Coburn.

Russell Cave Poultry Yards.

Russell Cave Poultry Yards have for years been recognized as one of the leading White Orpington Farms. This year, however, they have made a higher standard and have made a mark that will be almost impossible for their competitors to reach. For years, Louis Lee Haggin, the owner of the farm, seeing the danger of breeding alone for standard requirements, has been endeavoring to improve the laying qualities of the great flock of show birds. How well he has succeeded can be easily seen in the record his pen of ten pullets has made at the Missouri National Egg-Laying Contest, under the auspices of the Missouri Experiment Station. These ten pullets were selected out of a flock of young March hatched pullets and sent to Mountain Grove a year ago. In selecting these pullets the one point Mr. Haggin cared for was that they were to be typical Russell Cave White Orpingtons. Unfortunately, they were not sent early enough to get accustomed to their new quarters before the contest started and, therefore, did not begin to settle down to laying until December. In February this pen won the cup for the greatest number of eggs against all breeds, showing without doubt the great utility powers of this flock. At the close of the year, Russell Cave White Orpingtons, not only led all White Orpingtons, but all varieties of Orpingtons, besides, after the contest closed, these ten females won first premium for the best pen of White Orpingtons, so there is no question that these birds not only laid right, but are right in regard to standard requirements. White Orpington breeders who are anxious to improve the fundamental qualities, namely, egg-laying, of their strain, can not find a better opportunity than securing stock from this farm. At all shows made this year, their winnings are as follows: Hagerstown, 1st and 2d cockerel, 1st and 3d hen, 1st and 3d pullet, 1st and special for the best hen in the show. No cocks were shown. Augusta, 1st cock, 1st and 2d hen, 1st and 2d cockerel, 3d, 4th and 5th pullet, 1st pen and numerous specials. They have at the present time about four hundred early hatched cockerels and pullets from $5.00 up, and a great line of hens and cock birds at the same price. These birds are ready to go into the breeding pen and can not but help improve the quality and egg-laying power of any flock. This year they are selling eggs at prices that are so low that they are attractive to the smallest breeders; eggs at $10.00, $5.00 and $3.00 a setting of thirteen eggs, and are now booking orders for early delivery.

Six Remarkable Hatches.

We publish herewith a letter from the Buckeye Incubator Company, which refers to a question that has been argued pro and con for a great many years:

Springfield, Ohio, Dec. 1, 1913.

American Poultry Journal:

You will no doubt be interested to learn the results of six different hatches that were made simultaneously in six different parts of the country with six Buckeye incubators of exactly the same type.

This test was made during the most unfavorable part of the hatching season, and resulted as follows:

Albion Poultry Yards, Bangor, Pa. Hatched 149 chicks from 150 fertile eggs. All chicks strong and healthy.

N. F. Hewes, Gulfport, Miss. Hatched 109 chicks from 110 fertile eggs. All chicks strong and healthy.

Maplewood Poultry Farm, Cheshire, Conn. Hatched 98 chicks from 98 fertile eggs. Operator never used an incubator before. All chicks strong and healthy.

Shady Oak Poultry Farm, Hendricks, W. Va. Ninety-five chicks from 102 fertile eggs. All chicks strong and healthy.

W. H. Jones, Philadelphia, Pa. One hundred and one chicks from 101 fertile eggs. Hatch made in a store under very unfavorable conditions. All chicks strong and healthy.

L. C. Poling, Parsons, W. Va. Ninety-eight chicks from 102 fertile eggs. All chicks strong and healthy.

The results of this test convince us that artificial moisture is entirely unnecessary when the incubator is properly constructed to provide moisture in the natural way—and should set aside any further argument as to the necessity of using artificial moisture in incubators.

Of course there are any number of incubators that cannot be operated successfully without artificial moisture, simply because their system of heating and ventilating demands it, but under the improved system of heating and ventilating used in the construction of the Buckeye incubators, they can be operated with equal success in any climate and under any conditions. We just had a communication from

CHERRY REDS are Winners at Cleveland, O., December, 1913

In the hottest competition and classiest exhibition of REDS ever shown in Cleveland, we won 2d pen, 3rd Cock. A few choice cockerels to offer at the right price. Drop us a card.

ERNST F. BIRKHOLZ, —: SINGLE COMB R. I. REDS, -:- WILLOUGHBY, OHIO.

SEWARD'S

Big type, heavy laying, prize winning, "Golden Rod" Buff Orpingtons are the acknowledged champions at National egg laying contests, Galesburg, Canton, Lewistown and fifteen other shows. Stock scoring 90 to 94 per cent for sale. Catalogue free.

R. M. SEWARD R. 3 CUBA, ILLINOIS

Sunny Side Poultry Farm—Barred Plymouth Rocks

Won First Pullet-Mated Pen at the Coliseum Show, Chicago
Only entry made. . . . . Get my prices before buying

J. J. KLEIN, - - - MACON, ILL.

The Great Leghorn Farms

Winners at Buffalo and Guelph (The Ontario), 1913. We breed all varieties and at these two great shows, competing with over a thousand birds, won 25 prizes, including 10 firsts. Prizes and many Specials with Collection and Display awards. Our First S. C. Brown Cock and First R. C. Brown Cockerel at Guelph were the ideals in color and markings. Write us your wants. We have the quality to please and that will breed for you.

Eggs for Hatching from choicest matings.

Henderson & Billings - - St. Marys, Ontario

C. O. D. SHIPMENT

Extra fine poultry, all leading breeds of Chickens, Turkeys, Ducks and Geese shipped C. O. D. They will surely please you. Fine show birds, heavy bred-to-lay stock. Large, vigorous and healthy. Write your wants. **Special prices now.**

MACOMB FANCIERS CO., Route 15, Macomb, Ill.

PAYNE BROS.' S. C. R. I. REDS

MAKE BIG WINNING

At the **Annual Meeting of the R. I. Red Club of America, New Haven, Ct.,** Dec. 10-13, 1913, we won, in a hot class: 2nd and 7th Cock; 1st and 2nd Hen; 4th and 6th Pullet; 5th Cockerel; 2nd, 4th, 5th and 7th Pen. Also State Cup of the R. I. Red Club. Some good breeders for sale. Catalogue Feb. 1.

PAYNE BROS., - - - - - Box J, - - - - - Portland, Conn.

THE WORLD'S BEST S. C. BLACK MINORCAS AND CANADA'S BEST S. C. REDS

CLOSING-OUT SALE

of the best flock of Single Comb Black Minorcas on the continent. I exhibited at two shows this season, the National Exhibition at Toronto, and the London show. I won at Toronto, single comb cock, 1st and 5th; cockerel, 1st, 2nd and 3rd; pullet, 1st and 2nd; 100 Single Comb Black Minorcas in class. I won at London (70 in class), single comb cock, 1st and 3rd; hen, 4th and 5th; cockerel, 1st, 2nd and 5th; pullet, 1st, 2nd and 4th; pen, 1st. At the A. B. M. Club show, in 1910-1911 and 1911-1912, I won the Directors' $50 cup for best collection. I have the best flock of cockerels and pullets I ever owned, and they are going at about half the usual price. Please send for sale list and testimonials; I please my customers.

T. A. Faulds -:- London, Ontario, Canada

President of Black Minorca Club of Canada.

TOLMAN FRESH AIR STRAIN

WHITE PLYMOUTH ROCKS

BABY CHICKS AND EGGS FOR HATCHING

The kind that LIVE and GIVE RESULTS. Over 80 per cent of his OLD CUSTOMERS ordered from TOLMAN last year. BOOK YOUR ORDER EARLY. Circular and price list FREE.

P. O. ADDRESS

Joseph Tolman -:- Rockland, Mass.

Dept. H, R. F. D. 1, Nearest Railroad Sta., Hanover, Mass.

a customer in New Mexico (which is admitted to be the most difficult climate for artificial incubation) advising us that during an entire season's hatching with his 110-egg Buckeye, he had but two dead chicks in the shell all season.

We know that you will be gratified to have this old argument settled conclusively, and if any of your readers should want any information on the subject in question, we would be very glad to have you refer them to us. Yours very truly,

The Buckeye Incubator Company,
By George Cugley, President.

Efficiency and Economy.

Everywhere conservation of resources is being heralded as a necessary factor in the economical management of affairs.

The result is seen in the reclamation of the arid wastes by irrigation; in the invention of powerful labor-saving farm machinery and implements; in the building of the highest type of roadways, and the employment of power trucks for marketing the products.

But conservation is not confined to large agricultural interests alone. The small farmer has come to recognize that to gain efficiency in the conduct of his farm he must follow this same principle of husbanding his resources, not by mere stinting, but by provident care of all his possessions.

He, too, uses the latest scientific farm and garden tools, and sooner or later is sure to find a remarkably effective agent of conservation in the use of natural asphalt.

He begins by using it in the form of ready roofing to cover not only his house, but every other building on the farm, also. He sees in natural asphalt roofing the unmistakable economy from first to last, as it does away with constant repairing and gives lasting protection.

Then he looks to his foundation walls that need waterproofing, and uses natural asphalt there. He learns, also, of the value of natural asphalt as a wood-preserver, and uses it in his fence-posts, under-pinning, troughs and bridgings. He finds out that it staves off the corroding of iron, and uses it on his fencing and metal work. He goes on from one discovery to another and finds innumerable uses for this inexpensive and everlasting waterproofer of nature, natural asphalt.

Bell-Vista Poultry Farm.

Bell-Vista Farm lies in the little suburban town of Mentor, Ohio, a few miles from Cleveland, and is called the home of Cleveland millionaires; also is the home of James Garfield. Here the scientific breeding of the Reds has been carried on extensively for years.

Mrs. Warren has an up-to-date poultry plant and a grand flock of about five hundred Reds, all farm raised, large, rangy birds, and great hustlers. She has been working for the last nine years to build up her autocrat strain of birds. They have the best blood lines in the world. Progress is her watchword. In selecting her birds for her pens, type comes first. This season she will have ten fine pens, all headed by prize winners. Her birds have that long-back, low-tail, glossy black and color that dark, even brilliant red from heads to tail, clean, rich red under color. She gives some extraordinary egg offers for 1914.

The demand for her birds are steadily increasing, and she is shipping birds to every state in the union, while she is receiving scores of letters from satisfied customers telling of birds purchased from her last season and this winning the blue.

Moses Griffing, of Shelter Island, N. Y., writes Mrs. Warren that he raised a pullet from the "trio" he purchased from her last January that he won the blue on, also the special silver cup for champion bird of the show at Hempstead, L. I., show this month. All her birds are sold on approval. Why not take a chance with her birds?

How to Solve the Moisture Problem.

One of the most perplexing problems of the incubator operator is how much moisture—if any at all—should be placed in the egg chamber during incubation. Unless one has some accurate instrument for determining the varying conditions in the egg chamber from day to day, there is great danger of supplying too much or too little moisture. This results in many drowned or suffocated chicks in the shell, or chicks hatched with weak, crooked legs. A large percentage of the chicks from such a hatch are stunted and they are always more susceptible to disease. Those that do finally survive mature very slowly. The right amount of moisture in the egg-chamber of your incubator means bigger hatches of strong, lively chicks with hardy constitutions.

If you would determine the actual moisture requirements in your hatcher, use a "Tycos" Incubator Hygrometer. This instrument indicates accurately the amount of moisture in the egg-chambers so you may correctly regulate the supply. Every operator of an incubator should have one or more "Tycos" Hygrometers.

W. J. Campbell, the Single-Comb White Leghorn breeder, West Greenwood Poultry Yards, Nashville, Tenn., says:

"The 'Tycos' Hygrometer has proven entirely satisfactory, and I don't see how anyone can run an incubator without it. The difference in the number of chicks in one hatch will more than pay for it.

"It solves the moisture question, which is the main cause of so many chicks dying in the shell. Any time I can recommend either the 'Tycos' Thermometer or Hygrometer, I will be only too glad to do so."

Another breeder, A. M. Becker, the Single-Comb White Orpington specialist, of Atlanta, N. Y., says:

"I would not take a great deal for my 'Tycos' Hygrometers. They give me at least 25 per cent better hatches of larger and stronger chicks."

The "Tycos" Hygrometer is made by the Taylor Instrument Companies, Rochester, N. Y., manufacturers of the well-known line of "Tycos" Incubator and Brooder Thermometers. Their booklet, "Thermometer Facts Worth Knowing," gives full description of "Tycos" Hygrometers and Thermometers and tells how they are made. It will be sent free to any reader of this paper. We suggest that you write for a copy of this valuable little booklet today.

"Oculum."

The H. I. Co., Salem, Va., have a novel method of demonstrating the exceeding merit of "Oculum." They buy sick turkeys, ducks and chickens, cure them with "Oculum" and resell them. There's no fake in this method. They buy fowls with Cholera, Roup, White-Diarrhea, Canker, Black-head, Sorehead, Gapes and Leg Weakness. In their ad in this issue on page — they offer to send for a dime either a 50c or $1.00 bottle to anyone on trial.

Try "Oculum" and you will be agreeably disappointed with results.

"Get right on Poultry Supplies." Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis Bldg., Chicago, for latest catalogue. They manufacture Moe's line of useful devices invented by a successful breeder for his own needs and they are what you want.

SINGLE COMB BROWN LEGHORNS

First prize winners at Madison Square, New York, Chicago and Philadelphia.
Prices reasonable. Write for circular. Mention A. P. J.

Frank Schellang, Route 8, Erie, Pennsylvania

ORPINGTONS OF THE SUPERB KIND

White, Buff, and Black. Imported and choicest of domestic stock, show birds, excellent breeding trios and pens, and young birds for sale at small prices. Catalogue Free. Correspondence solicited. Mention American Poultry Journal when writing.

BRUCE Poultry & Stock Farm
Lynbrook, L. I., N. Y.

WILBURTHA S. C. WHITE AND BUFF LEGHORNS, S. C. REDS, COL. WYANDOTTES

Stock for sale. Eggs for hatching. Baby chicks. The Wilburtha Strain of Leghorns was well placed in all classes at the **great Allentown Show. Our first prize** S. C. White Leghorn cock was pronounced a **"masterpiece."** We aim to breed our varieties all up to the highest state of perfection and practical worth and assure the trade of absolute satisfaction. Write us your wants. Mention A. P. J.

WILBURTHA FARMS, C. J. Fiske, Owner, Wm. D. Campbell, Supt., Box A, Trenton Junction, New Jersey

LLENROC REDS—FORMERLY ALT'S REDS

ANOTHER GREAT VICTORY WON! OUR WINNINGS:

AT TORONTO Under Judge Coleman—4 birds shown: 1-2 cockerel, 3 pullet, shape and specials.

AT BUFFALO Under Judge Card: 1-3-5 cock, 3-5 hen, 1-3-4 cockerel, 4 pullet, 2-3-5 pen, shape and color specials.

These Famous Reds are not raised on the largest advertised farm in the country, but every pen is under our personal supervision on a farm big enough to give them wide range and perfect health.

We furnish winners for any show.

John E. Houck, Black Creek, Ont. -:- Henry W. Alt, 87 Fuller St., Box 3, Buffalo, New York

Wingold Buff Orpingtons

LATEST SENSATIONAL WINNINGS

Cleveland, Ohio, Dec. 2-7: 1st and 4th Cock; 1 and 3rd Hen; 2nd, 3rd and 4th Cockerel; 1st, 2nd and 4th Pullet; 1st and 3rd Old Pen; 2nd Young Pen. Silver Cup for Best Display Buff Orpingtons. Cash Special and Silver Trophy for Best Display of Orpingtons all varieties. Egg orders booked now. Mating List ready Feb. 1.

A few very choice Cockerels at $10.00 each.

F. A. POERTNER, - - Box A, BEREA, OHIO

The ROCKANDOTTE FARM

White Rocks and White Wyandottes

They win the blue ribbons in the strongest competition at such shows as

MADISON SQ. GARDEN, BOSTON,
CHICAGO, BALTIMORE, ETC.

We can supply you with winners or breeding birds that have been line bred for years. Write for show records and prices on what you want, all sales are guaranteed to satisfy. When writing mention American Poultry Journal.

ROCKANDOTTE FARM, R. 3, JANESVILLE, WIS.

FORMERLY OF SOUTHBORO, MASS.

Save Money on Poultry Fence.

Our readers who have had dealings with the Brown Fence and Wire Company will be glad that we are giving this additional publicity to a worthy concern, and those of you who are not acquainted with the advantages offered by them will be glad of this brief introduction. The Brown Fence and Wire Company make the famous Double Galvanized Brown Poultry Fence. It costs no more than common chicken netting, lasts many times as long, requires no top or bottom boards and about one-third as many posts. The peculiar and exclusive method of double galvanizing the wires makes Brown Poultry Fence rust resisting until long after "cheap" fencing is a tangled mass of broken-down wires. The heavy top and bottom wires make running boards unnecessary, while the extra weight and strength necessitate the use of comparatively few posts. There is no question in our minds as to the quality of the products manufactured by this company. For 32 years Mr. Brown has been in the wire and fence business and is held in highest regard by all who have ever had dealings with him. The guarantee of quality is the fact that nearly 500,000 farmers are on his books as customers, who have purchased over 25 million rods of fence from him. Our readers who are, or will soon be in the market for fence, will do well to write a postal for the new catalog issued by the Brown folks. In addition to poultry and farm fence of every size and style, they carry a complete line of farm gates, self-raising gates, lawn fence and lawn gates. They sell direct from factory, prepay all the freight wherever you live and guarantee perfect satisfaction in every way. Address them as follows: The Brown Fence & Wire Company, Dept. 3, Cleveland, Ohio, and their latest catalog, containing their lowest prices, freight prepaid, will come to you by return mail.

The Automatic Sanitary Trap Nest.

A new and enlarged advertisement of the Automatic Sanitary Trap Nest Company appears in this issue of the Journal, which it is important to look up and see just what practical poultrymen say about the merits of this new and useful invention. An exhibition of the nest, showing its practical utility by hens operating the same, was given at the Minnesota State Fair and at the recent great Coliseum Poultry Show in Chicago, and will be given elsewhere at poultry shows during the coming winter. Simplicity, durability and practical utility are the features of the nest which justify the company in exhibiting it to the practical poultrymen at these large shows. The nests are metallic, vermin proof, automatic, and are operated exclusively by the hens, no watching, removal of the hen or resetting of the nest being required. It automatically selects the layers and culls out the drones. A neatly gotten up booklet full of authentic trapnest information valuable to every poultryman has been issued by the company and will be sent free to everyone applying therefor. Address the Automatic Sanitary Trap Nest Company, Duluth, Minn.

Getting Plenty Eggs During the Winter.

That's the problem that faces every poultry raiser—hens have a knack of taking it easy during the winter when egg prices are away up.

Dr. Gilbert Hess, one of the foremost veterinarians in the United States, has solved the problem. He makes his biggest profits from his hens during winter because he sees to it that the egg supply is plentiful.

The doctor states—and rightly so—that hens, being cooped up, deprived of exercise and the lack of green stuff, will not lay in the winter. The egg organs become dormant—inactive—and the hen consequently puts on fat instead of turning her feed into eggs.

Being a poultry raiser of considerable success, Dr. Hess himself delved into the winter egg question many years ago. He was a veterinary scientist and a doctor of medicine also, and therefore was fully capable of finding where the trouble was and applying the remedy.

He compounded a number of bitter tonics and well-known correctives, proceeding on the idea that hens must have a tonic during the winter to tone up and invigorate the dormant egg organs and keep them healthy. His now famous preparation is known as Dr. Hess' Poultry Pan-a-ce-a and is sold by over 28,000 dealers throughout the United States.

Dr. Hess stands behind his Pan-a-ce-a with the most liberal guarantee we ever heard of. His message to you states that his dealer in your town will supply you with enough Pan-a-ce-a for your whole flock, and if it does not make them lay and keep in healthy condition he has authorized that dealer to refund your money.

In view of such a liberal guarantee, we urge our readers to put Dr. Hess' Poultry Pan-a-ce-a to a test. The doctor informs us that the use of his preparation is very economical—a penny's worth being enough for thirty fowls per day.

The Kind of Incubator You Want.

If you haven't any incubator, you are behind the times. In these days you must beat the hen to get profits. An incubator spells speed and efficiency; and in the race of competition old mother hen is left behind. She is reliable, all right, but she is too slow.

Old hen doesn't get broody until May or June, and you want Winter hatches if you are going to make money in the poultry business. A hen will hatch about twelve chicks, but a good incubator will hatch anywhere from 85 per cent to 100 per cent of the fertile eggs you put into it.

The average poultry breeder doesn't need too large an incubator. He requires either a 70-egg or 150-egg size. For unless one has a large flock of chickens it takes too long to save enough eggs for a big machine.

Furthermore, the average poultry breeder doesn't want to invest too much money at the start. The big incubators are expensive. And certainly anyone who is not a large poultry-raiser should begin on a small scale.

The natural conclusion is to get a 70-egg or 150-egg incubator, well made, strong, well equipped; one that had had just as much care expended on its construction as the larger machine. It is a mistake for anyone to think that all the care and skill should be put into the large machines, and the little ones made any old way. The 70-

GOLDEN AND COLUMBIAN WYANDOTTES Chicago Pittsburg Cincinnati, etc.

—90 per cent of the winnings shown annually. Win every time. Winners ready to ship.

Old Homestead Farms, J. H. McDanell, Prop., Warsaw, Kentucky

S. C. ORPINGTONS BUFF

As good as any in America, bred from my last season's winners. Let me quote prices on large, vigorous breeders to build up your flock, either cocks, hens, cockerels or pullets.

ROSELAND POULTRY FARM Chas. W. Switzer, Prop. SOUTH EUCLID, OHIO

Peabody Farms: Crystal Hatcheries

The homes of the White Feathered, Trapnested, Heavy Laying Strains of Leghorns, Orpingtons, Rocks and Wyandottes. Ducks, Geese, Turkeys and Guineas. We also have Mallard Ducks, English, Silver and Golden Pheasants. Breeders, Hatching Eggs and Baby Chicks for sale.

PEABODY FARMS - - - - HINSDALE, ILL.

FARRANT S. C. BROWN LEGHORNS

At the GREAT COLISEUM SHOW, Chicago, December, 1913

I won 1st, 4th cock, 1st, 5th cockerel, 3rd, 5th Pullet, six ribbons on seven entries. Show birds for sale that can win for you anywhere. Chicago winners heading all pens. Write for mating list.

F. M. FARRANT, 745 Prairie Ave., KALAMAZOO, MICH.

Black Orpingtons—Southern Winning

TWO LARGEST STATE FARS

Tennessee State Fair—Kentucky State Fair

J. T. Adair's birds win in hot class of exhibitors, as Cook, the Originator, Kenmore Farms and the best the entire South could produce: **Tennessee**—Ties 1-2-3 cock, 1-2-4 hen, 1 cockerel, 1-3 pullet, 1 pen, **Kentucky State**—1-2 cock, 1-2-3 hen, 1 cockerel, 1-2 pullet, 2 pen.

J. T. Adair : : Millersburg, Kentucky

Walden's Barred Rocks

PHILADELPHIA, NEW YORK and BALTIMORE WINNERS. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice exhibition and breeding stock at right prices. If you want quality that will improve your stock, I can supply it. Write me your wants.

R. J. Walden Box A Middleburg, Maryland



S·C·BROWN LEGHORNS

PRIZE WINNERS

The kind of birds the fancier loves to raise. I won 1st on cockerel, 3d on cock, at the Boston show, 1907; 2d and 5th cockerel, 3d and 5th cock, 3d and 6th hen, Boston, 1908; 1st on cock, 3d on pullet, at Madison Square Garden, 1905; 1st cock, 2d and 3d on cockerel, 1st on pullet, 1st on pen, and 10 special premiums at Chicago show, 1905, winning fifteen prizes on eight birds. At Chicago, December 1909: 1st and 2d cock, 1st and 5th cockerel. First cock, 1st cockerel at the Great Chicago Show, 1910. A choice lot of show and breeding stock now ready for delivery. Circular showing my winnings free. Write now.



W. H. WIEBKE Box A 348 FORT WAYNE, IND.

egg machine is just as important to the small breeder as the 500-egg machine is to the big fellow.

Let the poultryman be sure of the following points: The machine should be airtight, so as to let no cold in and no heat out. The material should be strong and the legs firm. More than one hatch has been spoiled by wobbly legs. Look to the thermometer, lamp, ventilation system, egg trays and egg tester. Get an incubator that stands high enough from the floor so that you don't have to break your neck to look at the thermometer. You want a machine that will allow you to look into it without getting down on your knees.

It is safer to buy a machine like the Reliance, a machine with a guarantee behind it, than one that hasn't. You are entitled to all you can get for your money. You don't want to pay more than you have to, nor more than the machine is worth, nor pay for wasteful methods of manufacture or excessive selling and advertising costs.

It will pay you to write and find out more about these machines. This concern is located at Freeport, Ill., and also manufactures bargain Grain Sprouters and Brooders. When writing for literature address Reliance Incubator Company, Freeport, Ill., and mention this paper.

Plan Now for That Strawberry Bed.

Don't neglect to set out a nice bed of strawberry plants this coming Spring.

A small patch of ground will produce plenty of this delicious fruit for your own table and a good surplus to sell at a fine profit. It does not require a lot of work to grow big, luscious strawberries if you set out plants selected from healthy, vigorous stock. A few moments' work with the cultivator occasionally will keep a large berry patch free from weeds and make the plants thrive and grow luxuriantly.

W. F. Allen, of Salisbury, Md., is a grower who has had nearly 30 years' experience in raising strawberries. He grows true-to-name plants of all the standard varieties—early and late strains—and takes special care to ship only healthy, thrifty plants from carefully cultivated, prolific bearing stock. All shipments are correctly packed so the plants will arrive in fresh condition.

Mr. Allen has over 120 acres devoted to growing strawberry plants in his nurseries, besides many acres in blackberries, raspberries, currants, grapes and other small fruits. He has a new 1914 Berry Book which tells how to plant and cultivate small fruits, and which lists and describes the many different varieties he grows. This book is full of valuable information for the farmer, gardener and fruit grower, and we advise our readers to write for a copy. Address W. F. Allen, 106 Market St., Salisbury, Md., and he will send a copy of this book free.

The Sanitary Poultry Yard.

Poultry raising has advanced to the state where it must meet the problem of every great industry.

In the old days when all the chickens were raised in the farmyard and had the run of practically the entire farm, death among the flock was a rare thing. But with our modern, driving, American way of doing things we cannot afford to let the flock run. We no longer let the hen hide her nest and spend most of her energy developing leg muscles. We want eggs, and fat heavy birds for the market.

All of this had led to concentration of the whole business of poultry culture. On a fifty-foot lot we now raise more and more profitable poultry than our forefathers raised on a hundred-acre farm. And just as the growth of the modern city has raised up the problem of sanitation among humans, the whole world of poultrymen is now interested in the sanitary poultry yard. Poultry must be kept sanitary if it is to make profits. To further this end and to carry it out to the last degree, the Kentucky Stamping Company in Louisville, Ky., has put on the market a line of specially made poultryware called "Kentuco."

The articles of the "Kentuco" line are especially sanitary because they are first shaped, formed and finished before galvanizing. They are made strong and sturdy, and then the heavy coat of galvanizing, put on after making, closes up every little crack, making the drinking fountain, or whatever the particular piece of ware may be, exceptionally strong and easy to clean and keep clean.

If you are raising chickens to make money it will pay you to get some of the literature on "Kentuco" ware. It is pleasing to note that this extraordinarily built poultryware costs no more than the articles in other lines intended for the same purpose. Therefore, it behooves you to get in touch with the Kentucky Stamping Company, 104 N. Fifteenth St., Louisville, Ky., if you want to get the most for your money.

A. A. Anderson, Macon, Illinois, starts his advertisement of Buff Orpingtons with this month's issue of the American Poultry Journal.

With 250 Buffs in competition Mr. Anderson won 1st old pen, 1st young pen at the meeting of the National Buff Orpington Club at the Peoria show, 1912. With 70 entries in the strongest class of pullets ever cooped in Illinois, he won 1st and color special. At the great Illinois state show, 1913, he also made a winning, taking 1st young pen, 2nd and 3rd old pen and 5th hen. It is a pleasure to recommend to the readers of American Poultry Journal Mr. Anderson and his Buff Orpingtons. —J. C. Johnston.

Carver's Red Farms made their first showing of Red Sussex at the Greater Buffalo Show in the strongest class of Sussex ever shown in America, competing with both lights and Speckled Sussex, winning first on champion cock, 2nd pen, 2nd cockerel, 4th hen, 5th pullet. The Sussex were one of the strongest classes in the show and were conceded by all to be the great new coming fowl for the American fancier. A meeting of Sussex breeders took place on the floor of the Buffalo show, forming a Sussex club for America and A. A. Carver was appointed secretary pro tem.

"Get right on Poultry Supplies," Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis Bldg., Chicago, for latest catalogue. They manufacture Moe's line of useful devices invented by a successful breeder for his own needs and they are what you want.

S. C. BLACK ORPINGTONS

Winning again in the **LARGEST CLASS** ever shown in the West. Mating list on application.

HERRICK POULTRY FARM, Bancroft, Mich.

Pen-Y-Bryn Farm

F. A. TIFFANY, Supt.
Box 36A Ambler, Pa.

BREEDERS OF BRED-TO-LAY
S. C. White Leghorns White Wyandottes
White Indian Runner Ducks
Imperial Pekin Ducks Rouen Ducks

Our Ducks are winners at Allentown, Hagerstown, Philadelphia and Baltimore. Book your orders now for Hatching Eggs, Chicks and Ducklings.

EGGS AND BABY CHICKS
FROM FOGG'S SINGLE COMB WHITE LEGHORNS

All our breeders this season are old birds, they produce the strongest chicks—THE KIND THAT LIVE. If you want the most for your money, send for mating list now. Safe arrival of chicks and eggs guaranteed.
Can furnish some fine breeding pens and cockerels at right prices.

N. V. FOGG -:- BOX R -:- MT. STERLING, KENTUCKY

Monmouth Farms' Buff Leghorns Win at the Palace Show, New York

On 5 entries of our S. C. Buff Leghorns in the recent Palace Show, New York, we won—First and Fourth Cockerel, First Pullet, Third Hen and 9 Specials. These recent winnings with our record at Madison Square Garden for the past five years—winning First Prize Pen each year—and our record at Philadelphia, Boston, Atlanta and Hagerstown, makes Monmouth Buff Leghorns unsurpassed.
Monmouth White Leghorns are of the same high standard—awarded prize for champion Cock of the show—and 20 other prizes on entries at Atlanta in 1912. Many other winnings in hot competition.

Don't waste time and money on stock you know but little about when you can obtain Monmouth White or Buff Leghorns at the following reasonable prices:
S. C. White Leghorns—Yearling hens, $1.75 each; in hundred lots, $1.50 each. 2-year-old hens, $1.50 each; in hundred lots, $1.25 each.
S. C. Buff Leghorns—One- and two-year-old hens, $1.75 to $2.50 each.
Choice male breeders, both varieties, from $5 up, according to quality.
Send your name for beautiful 1914 catalog (with colored insert), which will be issued about February 1.

"The Twentieth Century Dual Purpose Fowl"
Monmouth Farms J. C. Punderford, Owner Thos. Lockwood, Supt. Box 23, Freneau, Mon. Co., N. J.

Evergold Buff Wyandottes

WIN THE CHAMPIONSHIP

At Ohio State Meet of American Buff Wyandotte Club. This is one of the hottest shows of Buff Dotts in the whole year. Evergolds win 1-3-4-5 cockerels, 1-3-4-6 pullets, 1-2-4-5 pens, 3-5 cocks, 4 hen. Best display and Specials at Cleveland, O., Dec. 2-7, 13. State Champions for two years running. Circular and mating list FREE. Large illustrated catalog showing our methods on **"How to Breed and Feed Buff Dotts,"** 20c. Hundreds of choice male breeders for sale at reasonable prices. Write us just what you need.

W. G. MARSHALL, Owner. **ROCKY RUN FARMS** Box 50, NORTHFIELD, OHIO. GERALD WILLIAMS, Mgr. Poultry Dept.

A. A. Carver Making Good.

Among the many Rhode Island Red farms of America and the lesser lights in Europe the Queen quality Reds has pronounced individuality. When Mr. Carver bought his farm it did not look much like it does at the present time—what was once a wilderness now blossoms like the rose. His home is modern and pleasant and his buildings, which are chiefly of the colony house type, are very practical. His colony houses are about the neatest looking ones we have seen, being shingled on the sides; there are a great many of them in the orchard and cornfield and every year he adds new ones. This year he has built a lot more of an English type. His large conditioning building is always well filled, as he ships Reds the year round, and was so busy last year that he was unable to take any vacation other than short spins in his automobile with his family.

Mr. Carver began in a small way, and with Mrs. Carver's indispensable help has grown with his business, which has become very large. He shines in another direction—a direction where many fanciers



M. M. GENSEMER.
Manager Carver's Red Sussex Farms, Seville, Ohio.

fail—in that he is a good salesman and letter writer. He makes himself very clear and gives a correct description of his birds, not overdrawing them. He lands a greater per cent of sales, and when the Reds reach their destination the purchasers are happily surprised. The hundreds of letters from egg customers reporting fine hatches and winnings with the birds hatched from Queen quality eggs is indeed very flattering. When were at Seville he had 15 selected hens that cannot be beaten among the thousands of Reds raised all over our country; many breeders can pick a few such hens, but 15 out of one's breeders is a pretty hard thing to duplicate. His Reds are all farm raised; he put out many eggs among farmers and in September he had about 2,000 on the farms. This method is becoming more and more popular each year among the large breeders. It is a labor-saver and a great building economizer. The hens mentioned above are especially fine in back and tail carriage; their color has to be seen to be appreciated, as they are one even shade, a dark, rich red throughout; hackles beautifully ticked; the under color rich red, without a suggestion of smut. These hens have no money value, as Mr. Carver would not part with a single one. He has one hundred cockerels from them that are the finest he ever raised. The sire of them is a wonder in surface color, with rich under color and type to burn.

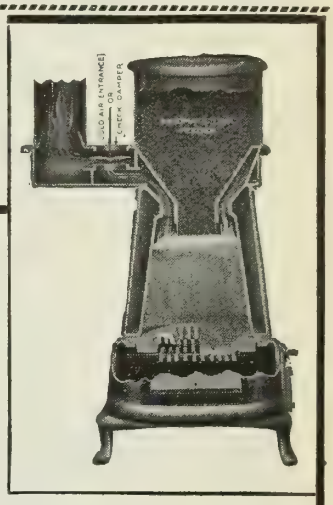
Visitors are always welcome and pleasantly entertained. Write for prices and address A. A. Carver, Seville, Ohio.—H. H. Coburn.

———o———

The large annual catalog of the famous Old Trusty Incubator and Brooder, manufactured by the M. M. Johnson Company, Clay Center, Neb., is now ready for distribution. Mr. Johnson's story of the ups and downs of an inventor in his own language is well worth reading, to say nothing about the vast fund of other valuable information contained in this catalog and dozens of beautiful illustrations made from unretouched photographs of scenes of poultry farms and hatches made in the Old Trusty. This catalog contains 120 pages and cover, printed in two colors, and will be sent absolutely free to all readers of American Poultry Journal upon request. Mr. Johnson distributes annually about 135,000 copies of this catalog and this year is anxious to increase this number, and we therefore ask our readers to send for one today. Address M. M. Johnson Company, Clay Center, Neb., and mention American Poultry Journal.

Elsewhere in this issue appears the advertisement of the Nabob Remedy Co., Box A, Gambier, Ohio. They make the following statements about their new discovery, Prescription No. 4, and they agree to back up these statements with the guarantee that if the prescription does not do as they advertise, they will refund the money: It has stood the acid test of five years' thorough trial by one of the fore-

Coal Feeds Automatically



Present and prospective operators of giant incubators should carefully consider the importance of this great improvement. The coal magazine holding a supply of fuel sufficient to last forty-eight to seventy-two hours under average conditions solves one problem which has long been troublesome.

It insures a steady, even fire at all times, which, of course, keeps the water in the heating system at an even temperature, thereby avoiding fluctuations in the egg-compartments.

No danger of the fire being smothered by a surface coating of ashes. No waiting for the fire to come up after adding a supply of fresh fuel. No chance of the fire burning out during the night. Just fill the magazine occasionally and remove the ashes. The heater, with its powerful automatic regulator, does the rest.

This is only one of the exclusive features of the

NEWTOWN GIANT INCUBATOR

In addition, this machine possesses many unique improvements which are not found in any other giant incubator. Consider the following:

The One-Minute Egg Tray Turner, which enables the operator to turn in a few seconds all the eggs in the machine, regardless of its capacity. This saves hours of labor every day.

The Single and Double-Deck Construction, the latter doubling the capacity of the incubator room or cellar.

Automatic Regulators of Heat and Moisture, which control conditions of temperature and humidity in every compartment separately.

The Automatic Alarm, which infallibly sounds a warning when for any reason the temperature varies unduly.

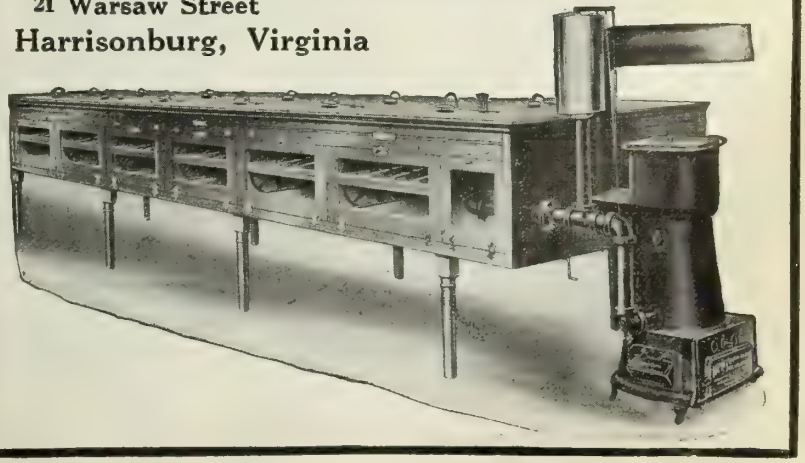
The Newtown Giant Incubator is the safest and most convenient hatching apparatus on the market. It produces the heaviest, the most husky and vigorous chicks in the largest numbers. It is the machine demanded by the man who wants results.

Write to-day for your copy of our attractive new catalog. It's free!

Newtown Giant Incubator Corporation

21 Warsaw Street

Harrisonburg, Virginia



most breeders and fanciers in America and he says of it, "Prescription No. 4 is the only scientific laying stimulant I know of. It does not in any way injure the vitality of the finest breeding stock. It absolutely makes eggs faster; enables you to get a hen's full life crop of eggs in two instead of five years." Dealers who have your interest at heart and are informed will recommend to you No. 4 rather than take your money for oyster shell, mustard and pepper preparations, and charcoal, which are money eaters or hen killers. No. 4 is the first real egg maker that furnishes the elements lacking in grains and mashes. Insist on your dealer getting No. 4.

The Ideal Coal Stove Brooder, which is now being advertised in these columns, is being recommended very highly by some of the foremost breeders in the country. H. H. Knapp, manager of a large breeding and hatching company at Tiro, Ohio, has the following to say about this brooder stove: "I have been trying out the Brooder Stove for the past two weeks with 234 White and Buff Leghorn chicks and up to date have lost but seven chicks, which were naturally weak when I put them in. Thus far they are free from any disease and the liveliest bunch you ever saw. This goes far to demonstrate the fact that the system is right."

A. E. Martz & Son, Arcadia, Ind., has just issued their 1914 Orpington Fashion Plate Book, which is without doubt the best ever put out by any Buff breeder in the country. This book contains a very beautiful picture of a pair of Buff Orpingtons in colors painted from life by Louis A. Stahmer, the well-known poultry artist. Everyone interested in this beautiful variety should secure a copy of this book. Address A. E. Martz & Son, Arcadia, Ind., and mention American Poultry Journal.

FOR PARCEL POST AND EXPRESS SHIPMENTS

Use Rippley's Perfect Egg and Day Old Chick Boxes

Rippley's Perfect 3-piece Egg Boxes

Size / Doz.
15 Egg $1.10
30 Egg 1.85
50 Egg 2.50
100 Egg 4.00

Made of extra strong corrugated cardboard. Stand 5 men's weight. Cushion effect. Dead air cells keep out cold and heat. Chick boxes have correct ventilation. Glued tape seals boxes. Will deliver chicks or eggs 3,000 miles with safety, and eggs in hatchable condition. Satisfaction guaranteed or money returned. Put up in packages of 1 dozen. 25 cts. extra for each package broken. Sample box 25 size chick or one setting, egg 25c postpaid. Use RIPPLEY'S EGG CARTONS to ship—mail—eggs to city. Your name or farm printed in 1 color. Made of strong chip cardboard. Folds flat for shipment. 30 doz. can be packed in egg case.

Perfect Chick Boxes
100 Chick Size - $2.95 per doz.
50 Chick Size - 1.75 per doz.
25 Chick Size - 1.25 per doz.

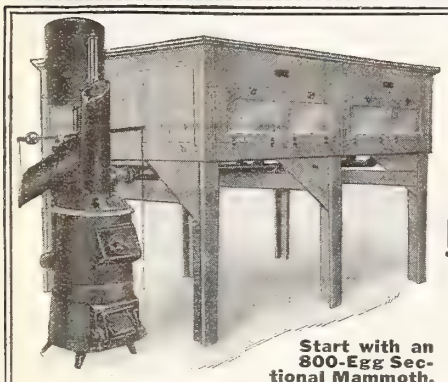
Prices No. 2 Carton. Two partitions. Heavy Card Board.
500 Boxes $ 6.50
1000 Boxes 10.50
5000 Boxes 40.00

No. 3 Carton. 4 partitions. Made single manilla pulp lined, chip board.
500 Boxes $ 4.50
1000 Boxes 7.00
5000 Boxes 30.00

No. 2 Carton

Catalog Free Tells all about Rippley's Boxes, Cartons, Brooder Heaters, Hovers, Whitewashers, Sprayers, Coops, Carts, Feed Cookers, etc.

RIPPLEY MFG. CO. Box 027, Grafton, Ill., U.S.A.



Start with an 800-Egg Sectional Mammoth. You can add a section at a time—any time. Ask for Catalogue M.

"Bob" Essex

would be glad if you write him today and get his Free Book on

Raising Poultry with Incubators and Brooders

He says that the chapters tell things exactly as he has learned them during his experience in the poultry business. Anything he does not know he does not tell. You can bank on it that whatever branch of poultry-keeping you are interested in—Eggs, Show Birds, Market Poultry or Ducks—you can profit by reading the chapters in this book, which is our New Annual Catalogue of

Incubators, Brooders, Hovers, Mammoths, Poultry Houses

The Greatest Choice to be Had in America

17 Sizes of Incubators and Brooders—$2.25 to $48.00

You can save money and yet get the Best Machines made anywhere, by anybody, if you get this book. Read about our NEW SECTIONAL MAMMOTH. The very best service we have to offer is yours for the asking. It costs you nothing to get the book, and after reading it we know your good judgment will prompt you to say "I am glad I sent for it." The chapters it contains are the following:

I—The Year's Poultry Work Month by Month
II—How to Hatch More and Raise Better Chicks
III—The Mistakes of a Beginner
IV—How to Breed a Strain of Better Layers
V—Health and Disease in Poultry



Robert Essex

Address Nearest Office:

ROBERT ESSEX INCUBATOR CO.

3 Henry Street, - - - Buffalo, N. Y.
87 Barclay Street, - - - - New York City

Sheppard's Famous Anconas.

At the Cleveland Fanciers' Club Big Show held in Cleveland, Ohio, in December, 1913, we are pleased to note that Mr. H. C. Sheppard of Berea, Ohio, was successful in carrying off all the first prizes in both Rose and Single Comb classes, and all the second prizes with the exception of one. This is the seventh consecutive year that Mr. Sheppard has won more than three times as many first and second prizes than all his competitors together.

His first prize Rose Comb cockerel was pronounced by some Ancona experts as the best Ancona they ever saw. His exhibit was very much admired and he received many flattering compliments on the quality of his birds.

His late superintendent, Mr. Wm. Freshley, informs us that during his last visit to Mr. Sheppard's poultry farm he saw hundreds of birds that are practically as good as those on exhibition at the Cleveland Show.

A Clean Sweep.

U. R. Fishel makes a clean sweep at big Cincinnati Poultry Show in strong competition, and again maintained his record as being the breeder of the "Best In the World" White Plymouth Rocks. His winnings were as follows: First, 4th and 5th cock; 1st, 2nd, 3rd, 4th and 5th hen; 1st, 2nd, 3rd and 4th cockerel; 1st, 2nd, 4th and 5th on pullet; 1st, 2nd and 3rd on old pen; 1st, 2nd and 3rd on young pen; specials on best display in show; special on best display in American class; won championship cups on cock, hen, cockerel and pullet; premium money to the amount of $200; in all ten cups.

All 1sts and 2nds on Indian Runner Ducks, and all prizes on White Cochin Bantams were won by U. R. Fishel, Jr.

On a recent visit to Lincoln, Ill., we had the pleasure of visiting O. F. Mittendorff, the veteran breeder of the bred-to-lay strain of Barred Plymouth Rocks. Mr. Mittendorff has been breeding the bred-to-lay strain for over twenty years and by careful trapnesting and breeding from only his best egg producers he has established a strain that are second to none in egg production. At the Illinois State Show, 1913, his "Liberty Bell" won the Champion Challenge Cup for the best egg record in Illinois, with a record of 271 eggs. This is only one of the many wonderful records made at this farm. While there we saw many hens with trap-nest records, running from 200 to 265 eggs. Some of them were in the midst of the moult and laying right along. The equipments of this plant are ideal and the stock at time of our visit were in splendid growing condition. Mr. Mittendorf has about 2,000 head of young stock for early disposal and his terms are very reasonable. We heartily recommend the bred-to-lay strain of Barred Rocks to the readers of American Poultry Journal. —J. C. Johnston.

W. R. Curtiss & Co., Ransomville, N. Y., says they raised 450 out of 486 chicks placed under the small hover, which shows a record of 90 per cent. Other breeders are reporting equally as good. Anyone figuring on installing a brooder system should write the Liberty Stove Company, Philadelphia, Pa., for their catalog on the Ideal Coal Stove Brooder, and mention American Poultry Journal.

Before you place your orders for Mating Lists, Letter Heads, Envelopes, etc., it would be well to consult Thos. E. Clark & Co., Dept. 33, Michigan City, Ind. They have a special outfit offer to those who do not wish to order in large quantities. They are in a position to give first-class service and prompt delivery.

Mr. Wm. Freshley has resigned his position as manager at Sheppard's Ancona Farm at Berea, Ohio, and has gone in the poultry business for himself. R. Skedden succeeds Mr. Freshley as manager and F. Skedden has been secured by Mr. Sheppard for superintendent of his plant.

"Get right on Poultry Supplies." Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis Bldg., Chicago, for latest catalogue. They manufacture Moe's line of useful devices invented by a successful breeder for his own needs and they are what you want.

EASTERN BREEDERS NOTES.

By H. P. Schwab, Irondequoit, N. Y.

To extend our service to advertisers and friends and to keep the public posted on special doings, we inaugurate these columns. Please feel at liberty at all times to send us news and items of interest.—H. P. Schwab.

* * *

The Urban Farms, Pine Ridge, Buffalo, N. Y., White Rocks have an established record; for three years they have won the Sweepstake special for best bird at the Buffalo shows. With a large stock on hand, they offer at special prices a selected lot of cockerels. Write for prices.

* * *

Mr. M. F. Delano, owner of the Owens Farms, Vineyard Haven, Mass., met us at the Palace show with much news of interest regarding his stock. That the breeders have confidence in Mr. Delano was clearly demonstrated by the orders handed him there. One we saw was a $1,000 check for a pen of birds. In Orpingtons, White Rocks and White Wyandottes this farm stock has made many of the greatest records ever made. We know of a man who last year paid him $50 for eight S. C. Reds and bred from them winners at the largest shows held to date. In this we can see value and just cause for Mr. Delano's success.

* * *

That was a wonderful win made by the Dune-Alpin Farm S. C. White Leghorns at the New York Palace show. Three first prizes in that great class of 240 birds is worth crowing over. The birds were in wonderful condition and Manager Kerr has proven his quality and worth. They have a very large flock of birds to sell of the kind that can win for you.

* * *

The Rancocas Farms White Rocks won all five first prizes at the Palace show; here quality and condition again demonstrated their worth. This farm has made three records this year and I believe are after more.

* * *

C. H. Welles, Stratford, Conn., says he now has nothing to do but to breed Barred Rocks of the "Fluffy Ruffles" standard. This blood is found in the best females of today, and we are pleased to know that Mr. Welles has finally decided to devote all his time to breeding in the future as this stock is in great demand and he has never been able to fill half of his orders. This year he has but a few choice cockerels and pullets to offer. Better write for one.

* * *

In looking for Houdans, don't forget the "Jimcrack" strain bred by Mr. Harry Taylor, Toronto, Ont. His winners at Guelph were the class.

* * *

The great Leghorn Farms of Henderson and Billings, St. Marys, Ont., breed all varieties and have been prominent winners at Buffalo, Guelph, etc. Their Single and Rose Comb browns in particular are very strong in quality. The winning Single Comb cock at Guelph was a screamer.

* * *

Webster Farm White Rocks have been a favorite line for years. They have again made a record at Williamsport. If you wish quality stock write them at Girard, Pa.

* * *

The Barred Rocks of Mr. Henry D. Riley, Strafford, Pa., keep on winning in the hands of his customers. This year again we have been pleased to place birds hatched from his eggs at several shows. Mr. Riley writes us that he has the finest line of stock ever and that he can supply winners for any show. Write him your wants and remember this line in egg season.

* * *

We know of no breeder who is more interested in his customers than Mr. Delafield of the Sunswick Farms. This line of Buff Orpingtons has made more marks at Allentown, Hagerstown and Williamsport, also at the Palace this year, and his customers have won at as many other prominent shows. This kind of breeders and stock stand for better poultry.

* * *

Note the advertisement of Mr. C. N. Myers, Hanover, Pa. He is offering a selected line of pullet-bred cockerels from his "Lady-Beautiful" strain of Barred Plymouth Rocks. Lady Beautiful won first prize hen at the last Madison Square Garden New York show, and this line has been winning for years at Philadelphia, Hagerstown, etc.

* * *

The Schenley Heights Farms, Pittsburgh, Pa., S. C. Reds are out to equal their great record of last year at Philadelphia, Cleveland and Pittsburgh, and this year have made records at Allentown and the Palace New York show. We visited these yards lately and will tell our readers of their line as seen at home. They have the quality to win and a line that breeds true to type and color, and we look for them to repeat.

* * *

The winnings of S. M. Gouchers' Barred Rocks (Moorestown, N. J.) at Williamsport were a show feature. By winning three of a possible nine first prizes they established a record in this great class. Their first pullet was a charming beauty seen at her best and their first exhibition pen a marvel in quality and mating.

* * *

At the "Ontario," held at Guelph, Ont., last week there were 256 White Wyandottes shown on the single classes (no pens are shown there), and Mr. Sid Saunders, Ingersoll, Ont., won cock 8th; hens, 1st and 7th; cockerels, 2nd, 7th, 8th and 10th; pullets, 2nd, 3rd, 4th, 5th, 6th, 7th and 9th; with two cups and several other specials, including best display. This is a win of particular note in this great class.

* * *

At the same show Mr. Jno. Pringle, London, Ont., won all four first prizes on Barred Plymouth Rocks. His first cockerel also winning the sweepstake special for best male bird in the entire show. We were delighted to see this special placed by all the judges on this wonderful bird; he was worthy, but for some reason we seldom see the parti-colored birds honored as they should be in this way. Mr. Pringle was also a prominent winner in White Wyandottes and in S. C. Reds.

* * *

Mr. R. J. Walden, Middleburg, Md., makes a specialty of breeding the pullet line of Barred Rocks and has been for some years a leading winner at Baltimore, Williamsport, Hagerstown and other good shows. This year he has made notable records at Hagerstown and Williamsport; at the latter he won three first prizes and under a handicap of having three of his best pullets put out of condition by being shipped in an over-heated express car. His exhibit of pullet-bred males at this show was sensational to say the least.

* * *

The Joe-Pye Orpington Farms, Norwalk,



J. F. SIEMS, Patentee

Over 600,000 People Have Tested My Great Hatcher!

They know from experience that in simplicity, ease of management and certainty of results, no incubator in the world equals it. The actual, living hens control everything. It's the incubator that can't make mistakes—and you can't make mistakes in operating it.

As Proof Read the Following:

"Your Incubator speaks for itself. I got 507 chicks from 540 untested eggs."—*G. E. Bengtson, Falun, Kansas.*
"It beats them all."—*Edgar Douglas, Wellsville, Mo.*
"All you claim for it."—*W. H. Murrill, New Albany, Ind.*
"No Bother, No Worry."—*Mrs. A. B. Gorton, Coffeyville, Kans.*
"Worthy of all the praise."—*E. Dunston, Winona, Miss.*
"The greatest success of the age."—*W. Walker, Linden Heights, Ohio.*
"I hatched 225 chicks from 240 eggs."—*B. A. Barton, Grandburg, Texas.*

NATURAL HEN INCUBATOR 200 Egg Size Costs Only **$3**

Artificial incubators cost four times this amount and do not give half such satisfactory results. Remember the Government is behind my machine—fully covered by patents. No freight to pay. Agents Wanted. Send today for our FREE Catalog with Special Introductory Offer and make success sure.

NATURAL HEN INCUBATOR CO., 1349 Constance St., Dept. 4, Los Angeles, Cal.



Increase Egg Yield This Winter, Save Money on Feed, Make Chicks Grow Rapidly, Strong

by installing an Ideal Grain Sprouter and feed your hens the green food that is absolutely necessary to insure prolific egg production.

Eggs are going higher in price every year, the demand is far exceeding the supply, and it looks like *good times* and *plenty of money* for the man who has one of our sprouters.

The IDEAL Grain Sprouter

—is the *best machine* for sprouting grain ever made;
—will produce sprouts over two inches long in 24 hours;
—sprouts any kind of grain *better*, in *less time* and without fuss or muss;
—produces *three* to *four bushels* of feed from one *bushel* of grain;
—pays for itself in a single month by saving in feed bills, increasing egg yield, supplying food that makes chicks grow strong and vigorous.

The "Ideal" is made in several sizes—for a few hens up to hundreds. Can be used in summer (without lamp) as it has proper arrangements for moisture and ventilation to produce quick results and crisp feed.

CONSTRUCTION

Made of best lumber—double walls, *insulated* with heavy deadening felt—inside lined with galvanized iron—frame of trays heavy galvanized iron—bottom of tray heavy wire netting—front of machine glass, which induces green sprouts. These sprouts require very small amount of artificial heat which is produced by the Ideal Safety Lamp, the fumes of which pass through ventilators.

Get Special Low Price Offer Today

Don't delay, but write at once for special low price introductory offer, full particulars and description of this perfect grain sprouter. No poultry man should be without it. It is the *Biggest Money Maker for the Poultryman since the Incubator was Invented.*

Made by J. W. Miller Co., Manufacturers of Incubators, Brooders and Poultry Supplies, which is sufficient guarantee of its excellence.

J. W. MILLER COMPANY, Box 600 ROCKFORD, ILLINOIS

Conn., Buff Orpingtons seen at the Palace New York show repeated their record of last year and went them one better and then some. This year they won cocks 1st and 2nd; hens, 4th and 6th; cockerels, 1st and 5th; pullet, 7th; pens, 2nd, 3rd and 7th; specials for best display, best shaped male and female, best colored male; medal for best Orpington in show, and several others.

* * *

Our readers should be interested in our mention of the Niagara Farms of W. R. Curtiss & Co., Ransomville, N. Y. This is one of the great big things in poultry, a farm that has made a big success. They have mastered the question of feeding and growing and their books are of untold value, for they are written from practical experience and founded on facts that are good to know. We have used their Niagara Brand of cut clover for years and can highly recommend it, the same as we do this firm and their whole line of products.

* * *

French's Poultry Mustard has found imitators galore and we feel it a duty to advise our friends that French's is put up and sold in sealed packages only. Insist on this and get the pure article.

White Rocks That Win.

Dr. LeGear's White Rocks just made another record winning at two big shows held at the same time. We had a separate and complete string of our famous White Plymouth Rocks at each of the two big poultry shows held at St. Louis at the same time, November 24 to 30, 1913. Any one familiar with showing birds at big shows will readily understand what it means to be able to select two strings of high class show birds at one time from one flock. No other White Rock exhibitor showed his birds at but one of the below named shows; therefore, we had to put half of our "strength" against all competitors' "full strength." With all these disadvantages, and in strong competition, Dr. LeGear's White Rocks won more ribbons than all competitors combined.

At the great St. Louis Coliseum Poultry Show we entered 25 birds and won 1st, 2d and 3d cock; 1st, 2d and 5th cockerel; 1st hen; 2d and 3d pullet; 1st and 2d pen. Also cash special for best display, and cash specials for champion male and champion female.

At the St. Louis Poultry, Pigeon and Pet Stock Association Show we entered 21 birds and won 1st and 2d cock; 2d and 3d cockerel; 2d and 3d hen; 1st and 4th pullet, and 1st pen. Also special prize for best display and the Useful Poultry Journal's silver cup for the champion female.

Every bird we showed or own is absolutely our own raising. We have on hand several hundred of as good White Rocks as ever grew up on one poultry plant during one season. We hatch eggs only from our best pens, consequently our quality is the best. Dr. LeGear's poultry remedies are used exclusively and constantly on Dr. LeGear's White Rock Farm, consequently disease is almost unknown, and the birds are all vigorous, healthy and beautiful. Bred and owned by Dr. L. D. LeGear, 725 Howard St., St. Louis, Mo. Farm at Kirkwood, Mo.

We desire to call your attention to the advertisement of Jas. S. Miles & Son of Petersburg, Ill., whose advertisement of Mammoth Bronze turkeys appears on another page of this issue. Messrs. Miles & Son have been breeding bronze turkeys for twenty years, and in that time have built up a strain of turkeys that for size and brilliancy of color is second to none. They have never failed to capture a large per cent of the awards at such shows as Illinois State Fair, Illinois State Show, and at the recent Coliseum Show, Chicago, they won more premiums than all their competitors combined. Their exhibit was the finest ever shown in Chicago. They report a large number of cockerels and pullets and yearling toms for sale. We heartily recommend Jas. S. Miles & Son and their Mammoth Bronze turkeys to the readers of A. P. J.—J. C. Johnston.

Our Mammoth Bronze Turkeys

make a clean sweep at the Great Coliseum Show, Chicago, winning 1st and 2nd cockerel, 2nd, 3rd, 4th and 5th cock, 1st and 5th pullet, 2nd and 3d hen, and the **$100.00 Trophy Cup** given by the National Bronze Turkey Club for the best display. A grand lot of young and yearling stock for sale, including the **Grand Champion Cock at Illinois State Show, 1913.**

JAMES S. MILES & SON -:- -:- PETERSBURG, ILLINOIS

Walker's Barred Rocks

Again make a grand winning at Davenport, Ia., winning 1st cockerel-bred hen; 1st exhibition pen; 1st pullet mated pen; 2d, 3d and 4th exhibition cock; 2d pullet-bred cock; 2d and 3d pullet-bred cockerels; 2d exhibition pullet; 3d cockerel-bred pullet, 2d cockerel mated pen. $25 cup for best display in the show, Am. Barred Rock Club cup and 2 cups on pens. At the Coliseum Show, Chicago, Dec., 1913, 2d and 5th pullet-bred cockerel; 5th exhibition pen; 5th pullet mated pen. I have 400 grand cockerels and pullets for sale. Write your wants. Prices reasonable. All birds shipped on approval.

G. A. WALKER - - POLO, ILLINOIS

Mary Elizabeth Poultry Farm White Orpingtons

Have Won in FIVE of the Leading Shows This Season.

At the **Great COLISEUM SHOW, Chicago, 1st Hen and 4th Pullet on Three Entries.**

At Illinois State Fair.
1st pullet and 2d pen.

At Quincy, Ill.
1st cock; 1st, 2nd and 3rd cockerel; 1st and 3rd pullet; 1st and 3rd hen; 1st pen and Grand Champion pen of the entire show—2150 birds in competition.

At Peoria, Ill.
1st cockerel; 2nd cock; 3rd and 4th hens; 4th and 5th pullet.

At Alton, Ill.
1st cockerel; 1st pen; 2nd and 3rd cock; 2nd and 3rd hen. **Champion Male.**

Mary Elizabeth Poultry Farm, -:- Monticello, Ill.

Champion Rose Comb Bl. Minorcas

WIN AT THE

GREAT MID-WEST COLISEUM SHOW, CHICAGO

In competition with America's best, win twice as many firsts as all others combined. Our individual winnings were: Cock 1-4, Hen 1-4, Cockerel 2-3, Pullet 2-4, Pen, old, 1; pen, young, 1. Our birds are winning north, south, east and west. They win for others, they will win for you; try them. At New York, Scranton (Club Show), Chicago, Guelph, Toronto and London, we have proven that we have the goods. Stock for sale bred from our winners. Eggs in season, $3.00, $5.00, and $10.00 per setting.

ROSS SWARTOUT, Mgr. Prop. **Box C, Newport, Ont., Can.** **GEO. ROLT,** Supt. Muscovy Ducks

A. P. A. and Minorca Club Member

Bringing Chicks Through the First Ten Days.

Everyone who has hatched and reared chicks in numbers too large to raise by the setting-hen method knows how difficult it is to bring the youngsters through the first ten days without losing many from bowel trouble and other chick complaints.

The cause of this heavy mortality among young chicks, is in most cases, due to improper feeding during this critical period of their lives. When an animal is born it is usually nursed on its mother's milk, which contains the right ingredients to regulate and strengthen the delicate organs of the youngster until the "weaning" age is reached, or until old enough to switch to another diet.

With young chicks, turkeys, pheasants and ducks, etc., it is a different matter, however. Their digestive organs are also very delicate and cannot readily absorb and digest corn meal, oat meal and other heavy grain feeds during the first ten days after hatching.

About thirty years ago this fact was appreciated by Mr. F. P. Cassel of Lansdale, Pa. He studied the chick food problem carefully and experimented with many different mixtures of clean, wholesome feed, until he determined just the right ingredients to use and the proper ratio in which to mix them.

Such marked improvement was noticed in every flock of young chicks fed on Mr. Cassel's chick preparation that he decided to place it on the market so others might share the benefits of his investigating and experimenting work. He named the new feed "F. P. C. Chick Manna," and in 1884 he mixed the first supply himself up in his feed storehouse. Since then either he, his son, or some other member of the Cassel family have personally supervised the preparation of this wholesome chick food and kept the ingredients which help make it such a successful lifesaver of chicks a family secret. This accounts for the failure of so many imitations and substitutes for "F. P. C. Chick Manna," which have since been placed on the market.

Prominent poultrymen all over the country have been feeding "F. P. C. Chick Manna" for years and they know its real worth.

Michael K. Boyer, the eminent poultry authority, says: "Chicks not only like F. P. C. Chick Manna, but they thrive wonderfully upon it." If you feed it the first ten days after hatching you will eliminate the heavy losses of little chicks.

F. P. Cassel & Son, of Lansdale, Pa., are still the sole manufacturers of this, the original and best baby chick food. They will make you a parcel post shipment of "F. P. C. Chick Manna" at a special price if the dealer in your locality does not happen to carry it in stock. We suggest that you write to these folks today for free circulars and fuller particulars of this chick food and their special offer.

S. C. White Orpington Sale.

The Dunrobin Farm, Red Bank, N. J., offers for sale their entire line of S. C. White Orpingtons of about 100 birds. This line has been a winner for years, full of quality, and in this offer is an opportunity to secure an established breeding line of merit. Mr. Sulby, the owner, will be pleased to give particulars.—H. P. Schwab.

On another page of this issue appears the advertisement of Mrs. John Wysocki of Aurora, Ill., who is breeding Silver Campines of splendid quality, showing clean-cut, snappy barring and rich, brilliant sheen, with good type and size. At the recent Coliseum Show, Chicago, she exhibited a well balanced pen of young birds and doubtless lost a place in the awards by the cockerel being shown in bad condition. Mrs. Wysocki has quite a number of cockerels and pullets for sale at prices that will surely satisfy her customers. If you are looking for Campines write her your wants. You will receive prompt and courteous treatment.—J. C. Johnston.

"The Mighty Power of Oxygen."

McAlester, Okla., Dec. 12.
Reliable Poultry Specialty Co., Alexander, N. Y.

Gentlemen: There are times when it is hard to find the words with which to say just what you want to say. That's the way I feel right now. For some time I have had in mind writing you again, to tell you more about the splendid work that your Ajax Improved Oxygen Vitalizer did for us last season.

As I have gone all over the results, not only at the time of hatching, but the size, health, etc., of the pullets hatched with the artificial methods. Of the 1,377 chicks hatched and raised, there are about 600 pullets. They are now laying—the first one at four months and eighteen days of age—and 100 per cent better than they ever did before. They are larger, stronger and the finest lot we have ever had.

We firmly believe, and do not hesitate to say, that in our judgment these conditions are directly due to the use of oxygen at hatching time. It not only hatches every hatchable egg, makes the chicks immune to the white diarrhoea "germ," but, as before stated, they grow faster, are matured earlier and are better every way. Let us again thank you for your courteous treatment, and express the wish that the poultry world



Chief Winamac 4th, a fine White Wyandotte cock bird bred by Chas. V. Keeler, R. F. D. No. 11, Winamac, Ind.

Oxygen device. I find that the first words that come to my mind, and that in any way express what I want to say, are those at the beginning of this letter, to wit: "The Mighty Power of Oxygen." Had any one told me what Oxygen would do, when applied to the hatching of chicks, I would have been very skeptical, and probably said, "I am from Missouri," or something of that sort. But when one has used your Oxygen Vitalizer and sees for himself the wonderful results that it brings, all doubts simply vanish and the bold facts stand out as proof that it does all that you claim for it.

You will recall that we wrote you in the spring, and at that time told of how we had hatched 1,377 chicks. How every egg that pipped the shell brought us a strong, healthy chick. How we had gone through the season without a single case of white diarrhoea, something that we had never been able to do before in all our years of hatching by might know more about this really wonderful device.

Yours very truly,
W. S. Crowl & Sons.
By W. S. Crowl.

—o—

Don't fail to read the advertisement of S. N. Tremper's Barred Plymouth Rocks, which appears on another page of this issue. Mr. Tremper is breeding some quality Rocks, some of the best blood lines in the United States being represented in his flock. On a recent visit to this plant, we handled many specimens that showed fine quality. Mr. Tremper informs us that he has a large number of cockerels and pullets for disposal, at very low prices, quality considered. If you are in need of Barred Rocks you will do well to look over Mr. Tremper's advertisement and write him your wants.—J. C. Johnston.

SPECIAL 30 DAY OFFER

Peerless Poultry Protector

The Snow White Disinfectant Coating is offered to the readers A. P. J. at a **25 per cent discount** for the next thirty days.
This offer is only for thirty days, after which time it will be sold at the regular prices listed below.

DON'T FORGET

it is worth the regular price but this offer is only to convince the doubting poultrymen that it is the only

Snow White Disinfectant Coating on the Market

For inside and outside use on Poultry Houses, Incubators, Brooders, Coops, Feed-Bins, Nests, Barns, Fences, and all other places where **Light, Cleanliness, Sanitation, Elimination of Germs and Vermin.** Is desired as well as a snow white surface which can be washed as often as is necessary without injury to the coating.

WHITEWASH WILL NOT DO THE WORK, neither will Oil Paint. Whitewash peels and will not kill vermin, while Oil Paint has no good essential except durability.

PEERLESS POULTRY PROTECTOR, the snow-white disinfectant coating, does kill vermin. It does produce a sanitary interior and a weatherproof coated exterior. It is a permanent coating and the cost is so small that the smallest Producer can well afford to use it.

THIS SNOW-WHITE DISINFECTANT is put up in dry powder form; and, when mixed with water, makes a liquid coating which can be applied to all kinds of surfaces with brush or spraying machine. It is especially manufactured for use in Poultry Buildings.

It takes about five pounds of this material, to make a gallon of liquid and a pound properly mixed, will cover from 20 square feet on real rough surfaces to 35 square feet on smooth sufaces two coats.

PRICES IN LESS THAN TON LOTS

350	pound	Barrel.....	$25.00
200	"	"	15.00
100	"	Keg.....	9.00
25	"	Box.....	3.00

Less 25 per cent discount for the next thirty days.

FIGURE THE COST FOR YOURSELF and then you will recall that there is nothing on the market today for double the cost that will do the work which can be accomplished by using the snow-white disinfectant coating.

REMEMBER THAT YOU GET A SNOW-WHITE INTERIOR for only a fraction of a cent per square foot and you can use the same material for outside work provided you use two coats. It makes a weatherproof job which will last two years on the average surface.

WE GUARANTEE SATISFACTION IF PEERLESS POULTRY PROTECTOR IS USED ACCORDING TO OUR PRINTED DIRECTIONS.

You should take advantage of this special offer DON'T PUT IT OFF.

Peerless Poultry Promoter
Port Richmond, New York



POULTRY FLATS

Are Sure to Revolutionize Poultry Raising for Profit, Because:

1—You need no brooders, and these alone are a great expense.
2—Each Flat will brood and raise 600 chicks, and do it right.
3—Each Flat is a unit—a basis of calculation.
4—Each Flat will house and winter without fire 72 old birds.
5—All work is done under cover and you need not move three feet from one spot in doing it—no exposure to weather for man or birds.
6—Easily cleaned—no lice.
7—You can build one in your back yard.
8—Covers 24x36 feet and includes six runways. Can make runways as large as space will permit.
9—In the Flat you have everything you need, at one cost—a complete plant.
10—If you build a common, ordinary poultry house, your extras will cost more than an Ott Brooder and Winter House combined, and then you only have the old way.
11—One Flat will make you money right off the reel.
12—With a Flat you are starting right. One will make you money. Build as many as your time and means will permit. any one, who is at all handy with tools, can construct one.

Read the book "Poultry Flats" as written by Mr. Edward Amherst Ott, the man that knows and does. One man sold $800 from just one, on a back lot. The book also contains letters from those who have built in twenty-one different states. Read these. Send us 25c, that's all, and we will send you the book and the INLAND POULTRY JOURNAL for six months. This paper is known all over the world as one of the best,—so do this now and you will always be glad. Address

Inland Poultry Journal Co.
Indianapolis, Indiana

Monmouth Farms' Recent Winnings.

The Poultry Show at Hagerstown, Md., held in November, added another prize-winning record to the already long list credited to "The Twentieth Century Dual Purpose Fowls," produced at Monmouth Farms, Freneau, N. J. These Monmouth S. C. White and Buff Leghorns have also made records in egg production, which is the reason they are called dual purpose fowls.

At the Hagerstown Show, Monmouth S. C. White Leghorns were awarded first pen, fourth cock, fourth hen, fourth and fifth cockerel, fourth and fifth pullet. The first pen was awarded the best pen of the show—all varieties competing. The Buff Leghorns won first pen, fourth cock, second and third hen, first cockerel and first and third pullet. The first cockerel and the first pullet also won all special awards.

On five entries of S. C. Buff Leghorns in the Grand Central Palace Show, New York City, Monmouth Farms won first and fourth cockerel, first pullet, third hen and nine specials. This is a record to be proud of and we congratulate both Monmouth Farms and any poultrymen who are fortunate enough to obtain stock or eggs from this fine strain of Leghorns.

Mr. J. C. Punderford, the owner of Monmouth Farms at Freneau, N. J., says that his new 1914 catalog will be ready to mail about February 1 and it is to be a "beauty." We advise our readers to send in their names now for a copy if they are interested in either White or Buff Leghorns

—o—

Wm. Cook & Sons, originators of all the Orpingtons, Scotch Plains, New Jersey, have recently won at Buffalo, N. Y., in White Orpingtons, first and second cockerel, first cock, second pen, second hen, second pullet. In Buff Orpingtons, first cockerel, first in pen, first pullet, third cock. In Black Orpingtons, first cock, first pullet, second cockerel, second pen, second hen. First Blue Orpington pen. Cups for best display in each class and best display of Orpingtons. At Atlanta, Ga., they won in White Orpingtons, first cockerel, first cock, third pen, second hen; in Black Orpingtons, first cockerel, first cock, second pen, second pullet; in Buff Orpingtons, first cock, second cockerel, first pen, third hen. Best display of each and all varieties of Orpingtons. At Cincinnati they won in White Orpingtons, first and third cockerel, third hen, third pen; in Black Orpingtons, first cockerel, first pullet, second cock, second hen, second pen; in Buff Orpingtons, first cock, second cockerel; first Blue Orpington pen; first Diamond Jubilee Orpington pen. At Troy, Ala., they won in White Orpingtons, first and third cockerels, first cock, first pen, first hen, first pullet; in Black Orpingtons, first cock, first hen, first pullet, second cockerel; in Buffs, first cock, first pen, first pullet, first hen, second cockerel; first Blue pen. At New Haven, Conn., they won in White Orpingtons, first cockerel, first cock, second hen, first pullet; in Black Orpingtons, first cock, first cockerel, second pullet, third hen; second Buff Orpington cockerel. Winnings made by this firm at several other shows have already been reported. Mr. P. A. Cook believes in taking his Orpingtons around the country to show the people what he has. Each bird is only exhibited once, then mated up in the breeding pen. This ensures fertile eggs; fresh birds being used for each show. The report from Wm. Cook & Sons is that they find the Orpington business better than it ever was. Their sales for Blue Orpingtons are enormous.



One of the prize-winning White Orpington males on the Parsons' Poultry Plant, Avon Lake, Ohio.

"Get right on Poultry Supplies." Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis Bldg., Chicago, for latest catalogue. They manufacture Moe's line of useful devices invented by a successful breeder for his own needs and they are what you want.

Chas. Nixon, Washington, N. J., the well known White Wyandotte breeder and judge, in sending in his new copy for advertisement says business is good. This, of course, is as it should be, for Mr. Nixon does business on the square and stock to back up any statement he makes.

A Mammoth Shipment of Mammoth Incubators.

The growth of the custom-hatching and the day-old chick business has been wonderful during the past two years. Many large poultry plants as well as smaller ones have had to increase their equipment for hatching in order to fill the great demand for young chicks.

The most important factor in the successful development of this branch of the poultry business has been the Mammoth type of hatcher. It has made the large commercial poultry farm possible—and profitable. The Hall Mammoth Incubator Company, Little Falls, N. Y., deserve much of the credit for this remarkable evolution in the business, as they brought out the first successful hatching machines with egg-capacities running up into the thousands.

Since the beginning, they have been leaders in this line of hatching equipment. The largest plants in this country and abroad have tested Hall Mammoth Incubators and Brooders and found them most satisfactory.

As an example of the growth in the hatching business, the Pittsfield Poultry Farm Co. of Maine have built another enormous poultry plant at Holliston, Mass., which is planned to be one of the largest poultry plants in the world. Their experience with Hall Mammoth Incubators at their Maine poultry farms was so satisfactory that they equipped the new plant entirely with these hatchers. They recently purchased new Hall Mammoth machines, giving them a capacity of 82,500 eggs in this new plant. It required five carloads to ship these machines from the Hall Incubator Company's plant at Little Falls, N. Y., to Holliston, Mass., and is the largest shipment of this kind ever made to one poultry farm.

We show a picture on this page, taken of these five carloads en route and offer our congratulations to both the Pittsfield Poultry Farm folks and the Hall people. We suggest to any of our readers who are interested in the successful hatching and rearing of chicks, custom-hatching or the day-old chick business, that they write to the Hall Company at 132 Southern avenue, Little Falls, N. Y., and get their free book on this subject.

—o—

Crowther's Single Comb Reds.

Ira M. Crowther, Willoughby, Ohio, is to be congratulated on his grand and glorious victory at the classy show in Cleveland, Dec. 2-7. The Rhode Island Red classes were very large in both the Rose and Single Comb varieties and not only were they there in quantity but in quality. Mr. Crowther won on Single Combs, 1-4-5 cock, 1-2-4 hen, 1-2-3-4 cockerel, 1-2-3-5 pullet, 1 pen. On Rose Comb, 1 cock, 5 cockerel, 2 pullet. Mr. Crowther has just recently taken up the R. C. variety; he has always been a strong advocate of type, emphasizing long backs and low tail carriage. His Cleveland exhibit were paragons for type and fine head points in both varieties. I carefully examined and handled each and every bird in his exhibit and a more even lot in dark rich red could not be found in any show room. His Reds are particularly strong in under color and back points. Mr. Crowther is an acknowledged expert in mating Rhode Island Reds to produce ideal type and grand color. We regret that he did not enter his birds at Chicago, for he certainly would have captured the lion's share, as he did in 1910. To appreciate the quality in his Cleveland winners, one has to see them. The secret of the success he has made dates back to his starting right and sticking to his text that dark, rich red was the proper color. Practically every winner at our largest shows last year were dark rich red. The dark birds must be mated to produce non-fading Reds. The original "Aristocrat," after which the strain was named, fixed the type and color and has proved himself one of the world's greatest sires, having produced first prize winners for Chicago, Indianapolis and other large shows. Lady Aristocrat 2nd, the champion pullet at the International Meet at Buffalo, 1910; Aristocrat 3rd and Aristocrat 4th are also in his list. These birds have gone on reproducing themselves and bettering the quality year after year. Mr. Crowther has a lot of high-class cockerels that can strengthen most any flock of Reds. Anyone wishing to get started right or righted up in Reds will do well to communicate with Mr. Crowther. —H. H. Coburn.

—o—

"Get right on Poultry Supplies." Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis Bldg., Chicago, for latest catalogue. They manufacture Moe's line of useful devices invented by a successful breeder for his own needs and they are what you want.

THE RAVEN'S ROSE COMB REDS

have won at the world's greatest shows, including Hagerstown, Md., Oklahoma State Fair, Cleveland, Ohio, Buffalo, N. Y., and Youngstown, Ohio. Exhibition and breeding stock sold on approval.

M. C. De LOOF -:- BOX 171 -:- WILLOUGHBY, OHIO

If you want QUALITY Stock and Eggs at living prices—try **NORMAN'S** S. C. White Leghorns White Plymouth Rocks

THE BEST ON EARTH. Write for prices on stock or eggs.

A. G. NORMAN -:- CHATSWORTH, ILLINOIS

ANCONAS

Crede's Superior Single Comb Anconas, winners at Illinois State Fair, Elgin and the Great Coliseum Show, Chicago, 1913. Some fine dark cockerels for sale.

WM. CREDE 670 Slade Ave. ELGIN, ILLINOIS

ROSE COMB BLACK MINORCAS

Just made another great win at the Coliseum, Chicago Show, winning 1st Cockerel, 1st Pullet, 2nd Hen and 5th Cock on 5 single entries. This winning with our winning of 1st Cockerel at Madison Square Garden and 1st Cockerel, 1st Pullet and 5th Hen at the Club Show, Boston, last season, proves we have the quality. Let me know your wants in show birds and breeders. **H. A. Keister, Bangor, Mich.**

S. C. WHITE ORPINGTONS

We won at Chicago, 1913, on three entries, 3rd hen, 5th cock. Eggs for hatching. Cockerels for sale. Baby Chicks.

H. J. Bennett
Mrs. H. J. Bennett
HEART'S DESIRE FARM Connersville, Ind.

Kelly's Black Orpingtons

Prolific winter layers. Grand type. First Prize Pen at three big shows in one year (Cleveland, Buffalo, Cleveland); judged by Richard Oke, A. N. Braun and Hugh A. Rose. Our four classy breeding pens include world beaters and are mated for best results. Book orders for eggs now. Write for catalogue. When writing mention American Poultry Journal.

GERTRUDE H. KELLY, BREEDER WILLOUGHBY, OHIO

Coal-Burning Self-Feeding
Self-Regulating Brooders

are money-savers and money-makers. They save labor and fuel, greatly reduce mortality, and Grow the Chickens.

They demand the construction of no special buildings. May be satisfactorily operated in any comfortable structure, as a barn, colony house or large poultry building. Each forms a complete brooding system, at once safe, convenient and efficient. They are easily installed and may be quickly moved as required.

No other piece of "chick machinery" so satisfactorily meets the requirements of so many different classes of poultrymen. Small and large operators alike may use them to advantage, either exclusively or in addition to their present equipment.

Newtown Giant Colony Brooders

are made in two sizes, the smaller for any number of chicks up to 500, the other for 1,000 to 1,500.

The coal-burning stove is controlled by a simple but powerful regulator. This positively maintains the temperature at the desired point regardless of weather changes. The coal magazine holds sufficient fuel to last from one to three days. Fuel costs but eight cents per day. And there is no danger of fire, which is a mighty important factor.

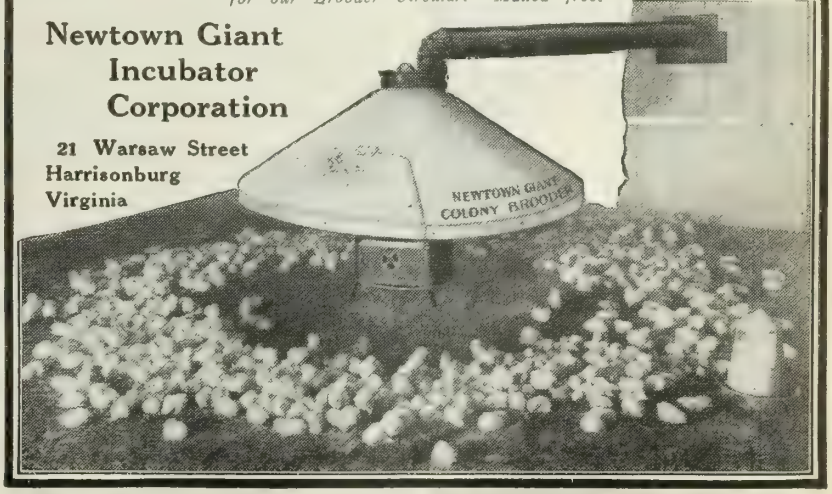
The hover furnishes the maximum of chick comfort, being light and well ventilated. No fumes or gas; no crowding; no chilling; no over-heating.

Don't add to your brooding equipment until you investigate the merits of this—**the best brooder on earth.**

Inspect it at your dealer's. Or write to-day for our Brooder Circular. Mailed free.

Newtown Giant Incubator Corporation

21 Warsaw Street
Harrisonburg
Virginia



Rose's Orpingtons

BUFFS AND BLACKS

HARDY CANADIAN BRED BIRDS

VICTORIES

At Chicago Show, 12-17 December, 1913

BUFFS

Grand Champion Cock winner of both Shape and Color. Special Championship, Best Display.

1, 2, 5 Cock. 1, 5 Cockerel. 3 Hen.
1, 2, 4 Pullet. 3rd Pen.

BLACKS

In the strongest and best classes ever shown at one Show, our wins were

5 Cock. 2 Pullet.
1, 4 Hen. 1, 3 Pen.

At BOSTON, 1913

Our Black Orpingtons won

1, 2 Cock. 1, 4, 5 Cockerel.
1, 2 Hen. 1, 2, 3 Pullet.
1 Old Pen 1 Young Pen.
Championship Best Display.

OUR RECORD

On Black Orpingtons

We won 26 Firsts out of a possible 33 Firsts within the year 1913 at six shows of National reputation, viz.: **Boston, Allentown, Hagerstown, N. Y. State Fair, Toronto and Chicago,** also five times Championship Best Display out of six.

We can supply you with stock that can win for you at reasonable prices, all sent on approval and duty paid to United States. Write us. Correspondence a pleasure.

HUGH A. ROSE, FONTHILL, ONTARIO

FRANK F. CONWAY, Manager **Nineteen miles from Buffalo**



DON'T KILL or sell your laying hens

Use the **Potter System** and pick out the layers from the loafers and diseased hens. Keep only healthy laying hens. The **Potter System** is a secret and the greatest discovery of the century in the poultry world on the subject of Egg Producing Hens. Used by over 50,000 satisfied poultry keepers, who are saving dollars every year. Our new 100-page Potter System book, **"Don't Kill the Laying Hen,"** contains the secret and knowledge about laying and non-laying hens. It's a revelation to poultry keepers, and you will learn how you can use the Potter System on your flock, keep less hens, get more eggs and make more money using it. Write today, sending two red stamps to cover postage on our large catalog and circular telling all about Potter Poultry Products made for Particular Poultry People. If you are particular and want to make more money on your flock, you will write us today.

DON'T BUILD

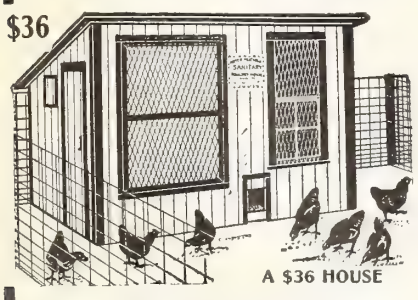
YOU can buy better, cheaper, more complete ready (factory) made hen-houses, roosting and nesting fixtures, coops, etc., from Potter & Co., because they buy lumber in carloads, cut and fit all parts perfectly by automatic machinery and deliver the house, coop or fixture you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures

Portable, Sanitary, Inexpensive

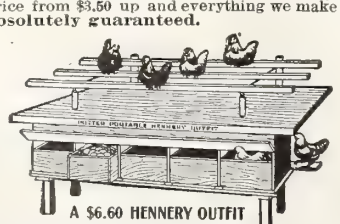
Have been on the market for over ten years and are used and recommended by thousands of poultry keepers who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a Potter portable with complete outfit of roosts, drop board and nests. A clean, sanitary house means healthy hens and lots of eggs. The fresh air sanitary house shown here is only one of the twenty styles of houses and coops we make ranging in price from $3.50 up and everything we make is **absolutely guaranteed.**

$36



A $36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5-ft. 3 perch complete hennery outfit for 30 hens. Price of complete house, $36. Painted 2 coats.



A $6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter hennery outfit for 36 hens. This same style made in 12 sizes.

Send for Our Big Catalogue

Contains 132 pages and over 150 illustrations showing Potter portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, feeds, etc.—in fact everything the poultry keeper needs to insure the greatest success. Catalogue mailed for two red stamps to cover postage. Write for it today and save money.

T. F. POTTER & CO. Box E-21, Downers Grove, Ill., U. S. A.

The Uhl Hatchery.

The Uhl Hatchery, located at New Washington, Ohio, is entering on its 14th season; it is the largest mammoth hatchery in the world and has a capacity of about 150,000 eggs. Uhl & Co. came into this distinguished position very gradually, increasing its capacity annually, beginning in a very small way and making sure they were right. It is a sight to visit and go through this great hatchery; one can scarcely conceive its magnitude nor believe his eyes when looking it over. The main building is 46x100 feet and there are five buildings in all. The season of 1913 started with 14 mammoth hot water machines holding from 10,000 to 15,000 eggs each; with this equipment they expect to hatch out 35,000 baby chicks per week. It will be remembered the spring of 1912 followed one of the coldest winters ever experienced, which was a great handicap to the poultry industry in its various branches, which particularly affected the hatcheries, yet this hatchery hatched 280,000 chicks. Last year was a very successful season; they hatched and sold 377,000 little chicks. The coming season they hope to outdo this. The hot water machines are of their own make and give great satisfaction, hatching 95% of the fertile eggs, all infertile eggs tested out on the fourth day. These machines are heated with a special hard coal heater which took years of experimenting to get to its present state of perfection. It takes 20,000 laying hens to keep the incubators full. When this firm started in the poultry business some 20 to 25 years ago they could hardly find two dozen pure bred chickens in a day's drive in any direction, now almost everybody keeps pure bred flocks. Uhl & Co. have 150 specialty breeders to supply eggs for their hatching and pay good prices for them, but these breeders keep strictly standard bred stock and as near perfection as possible, many of them winning prizes annually at our best shows. Practically all of these birds are kept on free range which is the only way to insure strong fertile eggs that hatch chicks that live and thrive and win in the show room.

Now that the hatching of baby chicks on a large scale is an undisputed success it costs but little to start a pure bred flock. It is a grand way to start, too, as you get your chicks all the same age and do not have the worry and care of running a small machine, which you do not properly understand, neither do you understand the science of artificial incubation. Buying baby chicks in 100 or 500 lots saves a tremendous lot of fussing with fussy, vermin covered hens. The chicks come to you strong, clean and healthy and it is up to you to keep them so, but if they are hen hatched it is a continual fight with mites and lice.

The Uhl Hatchery guarantees all its chicks to be true to name, full count and of a standard variety, just as represented. They deliver them boxed in perfect condition to their express office; and will also be liable and replace free any losses during transit, if such losses are not due to the carelessness of the express company.

They breed chicks from 22 varieties, namely: S. C. White, Buff and Brown Leghorns, Rose and S. C. Reds, White, Buff, Golden and Silver Wyandottes, Barred, White and Buff Rocks, White and Buff Orpingtons, Rose and S. C. Black Minorcas, S. S. Hamburgs, Black Langshans, W. F. Black Spanish and Light Brahmas. This firm is most reliable and I take pleasure in recommending them to our readers. Send for catalog and mention American Poultry Journal.—H. H. Coburn.

New Home in Baltimore.

In order to properly take care of the big increase in its volume of business, the Baltimore branch of the H. W. Johns-Manville Co., has been compelled to seek larger quarters.

The new home of the company is a modern six-story building with floors measuring 47x187 feet, located at 207-13 E. Saratoga street, which is within two blocks of the postoffice and right in the heart of the business section. It will include an attractive store and up-to-date offices, in addition to large warehouse accommodations. To facilitate the handling of incoming and outgoing shipments there will be a railroad switch running into the building.

Charles G. Pape, Ft. Wayne, Ind., the well known breeder of S. C. Black Minorcas, reports the following winnings at the late Cincinnati show: 1-2-4 cock, 1-2-3-4 hen, 1-2-3-4 cockerel, 1-2-3-4 pullet, 1 pen, besides several specials for best display of S. C. Black Minorcas. If you want something high class in this variety write him and mention American Poultry Journal.

Associations and Shows

Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department

Quincy, Ill., Show.

The Poultry and Pet Stock Show held in Turner Hall, Quincy, Ill., the week ending November 29, brought out one of the largest and best displays of standard-bred poultry ever cooped in Illinois. Two thousand one hundred and ten fowls, not including pigeons and pet stock, were on exhibition. The immense hall was packed to its utmost capacity. Barred Plymouth Rocks was the leading class, with 175 entries. Competition was keen with J. J. Klein of Macon, Ill., winning most of the honors. His exhibit showed fine quality all through. First pullet-bred cock was a remarkable bird, in clean cut narrow barring, while his pullets were the sensation of the show; first pullet-bred cockerel was a splendid specimen, with clean, snappy barring in all sections. Second exhibition cock, also Mr. Klein's entry, was a grand good bird but was compelled to lay down the honors to his more worthy competitor exhibited by E. C. Forrest of Quincy.

First hen was simply "down to date," and won with ease from the nearest competitor. Second pullet-bred cockerel exhibited by Chas. C. F. Fritz of Staunton, Ill., was great in barring, winning the color special, but lost on maturity.

Single Combed White Leghorn Alley was the attraction of the show. One hundred and thirteen single entries and ten pens were on "dress parade," and better quality has never been cooped in the Middle West. First cock, exhibited by C. H. Rickey, Clarence, Mo., was grand in type, with splendid back and tail. First cockerel, Chas. W. Moeller's entry, while not quite finished, was good enough to win the grand championship of the show, all varieties competing. First and second hens, exhibited by W. E. Plowman of Quincy, were neck and neck for the place, both showing grand quality. First pullet was a revelation in Leghorn type and color and yet with all her quality she only won by a narrow margin from second pullet, exhibited by Ben Kausteimer. The pens were all good, but first pen was simply the class of the show. White Rocks and White Wyandottes were well represented, and honors pretty evenly divided. White Orpingtons, though not a large class, brought out some quality. G. H. Woolington of Monticello winning the lion's share of the awards. His first cockerel was a fine specimen and won with ease, while first pullet is, we think, the best seen to date. Mr. Woolington also won grand champion pen of the show on a pen of old birds. Single and Rose Combed Reds were well represented and some good specimens were exhibited. In the Single Comb class E. M. Webb & Son of Waukesha, Wis., won first cock on a bird of fine type and brilliant color. H. T. Marshall, Serena, Ill., captured most of the awards, winning both first premiums on young birds in the single.

In Rose Comb Reds the quality was good and the awards well distributed, no exhibitor being able to boast a clean sweep. Other classes that were well represented were Buff Rocks, Partridge Rocks, Partridge Wyandottes, Single Combed Brown Leghorns, Single and Rose Combed Black Minorcas, Anconas, Silver Campines, Black Orpingtons, Black Langshans. Buff Orpingtons brought out one of the prettiest contests of the show with most of the honors going to Otto Baker, Kirksville, Mo., and A. A. Anderson of Macon, Ill., the latter winning second on an undeveloped cockerel showing great promise. His first and second young pens were well mated and had quality to spare. Mr. Anderson also won color special on the best colored pullet we have seen this season, showing an even shade of beautiful golden buff in all sections. J. S. Bales of Springfield, Ill., made his usual "clean sweep" on Rose Combed Black Minorcas.

Much praise is due the Quincy Association for their efficient management of a show that far exceeded their expectations. In their literature they advertised in advance that all awards would be paid as soon as the awards were made, and the program was carried out to the letter, many of the premiums being paid before noon on the day judging began. Friday evening at seven o'clock a sumptuous banquet was served at the Newcomb Hotel at which about one hundred and fifty enthusiastic fanciers were seated. Short after-dinner speeches were made by many exhibitors. All expressed entire satisfaction with their treatment at Quincy and expressed their intention of again exhibiting there at their next annual show, Thanksgiving week, 1914.—J. C. Johnston.

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Coliseum Show, St. Louis.

Not since the World's Fair, at St. Louis, in 1904, has Henry Steinmesch taken any active part in the management of a poultry show, but at the earnest request of many local breeders, he was asked once more to get into harness, and no better show was ever pulled off. There are very few, if any, exhibitions where there are so many different exhibitors, as at poultry shows. The secretary of a poultry show, as a rule, is the "Man Behind the Gun," and when we stop to think that the winners are few and the loosers many, we can get some idea of a secretary's troubles, if even a few of the loosers have a grouch. This is where the Coliseum Show at St. Louis set a mark. Some of the principal local exhibitors got licked, but every one of them took their licking in splendid style, and one of them expressed the sentiment of others, when he said he got licked, because the other fellows had the best birds. If there is anything that will put good humor in a poultry show, and still strengthen the secretary's backbone, and create good feeling all around, it is the fellow that shows by his words, and his acts, that he is a good looser. May his number increase everywhere.

The Big Coliseum at St. Louis is one of the very finest halls in the country for a poultry show. Large, well-lighted, and well ventilated, not a pillar or post to interfere with the placing of coops, and private boxes all around, where visitors may take a bird's-eye view of the show, rest and lunch if they wish, and the building is accessible by seven different street car lines; five minutes from the heart of the city. The hall was beautifully decorated

Carver's Red Farms, Seville, Ohio

Sunlight S. C. White Leghorns

(D. W. Young Strain)

Day-Old Chicks, Hatching Eggs and Stock

Now is the time to place your order for eggs and day-old chicks, to avoid the rush, and before placing your order you must remember there is a vast difference in chicks. You want chicks that will develop into robust cockerels and pullets, and to get this, the parent stock must be vigorous and hardy.

Sunlight S. C. White Leghorns

represent the best quality and type and are bred for heavy laying qualities. I have been breeding them for the last five years and utmost care is used in breeding true type stock. They are persistent layers, hence money makers, the year round.

Splendid Breeding Cockerels For Sale

$2.00 and up. If you want pairs, trios or pens, I can make you most attractive prices. Orders for eggs filled after January 15; Day-old chicks ready for delivery after February 15. I guarantee satisfaction. Catalogue after January 10.

My motto is, THE MOST OF THE BEST FOR THE LEAST.

SUNLIGHT POULTRY FARM, E. N. Lemon, Owner : LYNCHBURG, OHIO

with flags and banners. The display of the Missouri Experiment Station, with Mr. Quissenberry in charge, and assisted ably by Assistant Director Ralph Searle, was the Mecca of many visitors, looking for information on poultry and poultry fixings. A new feature in connection with large shows, in large cities, was the educational work, with lectures by Prof. Jas. E. Rice of Cornell, and charts showing much of what has been and is being done at Cornell. Prof. Rice gave two lectures and each of which was attended by 300 and 400 people, an exceptional audience at a poultry show. Lectures were also given by Mr. R. C. Lawry, Mr. Ralph Searle, Mr. C. A. Morton, President of the Missouri State Poultry Board, with movies showing many details of the poultry business, the hatching of eggs, the handling of young chicks, buildings and equipments of up-to-date poultry stations, and farms showing 1,000 chickens on range. Such work, of course, cannot be undertaken unless the poultry show building is adapted for the purpose, and in this respect the St. Louis Coliseum has no equal in the country, as the lecture room is an annex, all under the same roof, especially built for the very purpose of holding meetings in connection with any and all kinds of exhibitions that take place in the main hall.

We were informed by Mr. Henry Steinmesch, Secretary, that this educational work will be conducted on a larger scale next year, and also that he has in mind quite a number of new features, the purpose being to put the Coliseum Show at St. Louis in a class by itself. Better poultry and more of it, is the slogan of the directors of the Coliseum Show, and as an indication that the management mean business, a large sign was placed across the hall, reading as follows: "The Next St. Louis Poultry Show will be held in this Coliseum, November 24th to 30th, 1914." At the close of the show the Secretary, Mr. Henry Steinmesch, was called into the committee room where President E. W. Grove, Jr., on behalf of the exhibitors, presented to Mr. Steinmesch an elegant gold watch with appropriate remarks, and to which Mr. Steinmesch responded in his usual happy vein and also thanked Mr. Grove for a beautiful fob to go with the watch, which was the president's personal gift. Usually secretaries of poultry shows are lucky to get off with a vote of thanks, and even these are seldom offered. For list of awards see American Poultry Journal Year Book for 1914.

S. C. White Leghorns

Choice cockerels $2 and $3 each. Bred for heavy laying. Write for what you want. We can please you.

JOSEPH STENZ & SON, Fond Du Lac, Wis.



HOW TO SAVE THE LITTLE CHICKS

Ordinary feed is not the proper food for baby chicks. Their delicate digestive organs require a special food properly balanced to meet the entire needs of their little bodies. Feed during the first 10 days after hatching

"F. P. C. CHICK MANNA"

and watch 'em thrive and ward off epidemic attacks—especially bowel troubles. Starts them off in life healthy with strong, vigorous constitutions. **Introduced in 1884—the original** and best food for baby chicks, turkeys and pheasants. Ask your dealer for it. Accept no imitations.

Special Parcel Post Offer—Write for Free Circulars and our special offer to send "F. P. C. Chick Manna" by Parcel Post. A 5 pound package feeds 75 chicks first week.

F. P. CASSEL & SON, Originators and Sole Manufacturers, No. A3 LANSDALE, PA.



Pat. applied for

Make Fowls Exercise—Keep Vegetables Clean

Here's what you poultrymen have long been looking for—a cheap, convenient, sanitary and durable device for feeding green stuff to poultry. Hang one in each pen in your henhouse. It keeps vegetables and green stuff clean and makes the fowls exercise while they eat.

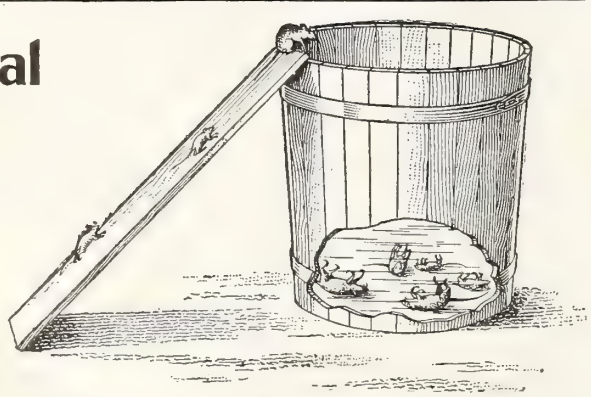
Carter's Sanitary Green Food Feeder

Is made of strong, soft, fish-net cord and lasts for years. There's nothing to get out of order or injure fowls' combs or heads. No fouling and waste of food. It holds one-half bushel of beets, cabbages, clover, meat bones or other similar food. Leading poultrymen are using it and sending in orders for more. It fills a long felt want. Green food turns winter into summer for the hens—makes 'em lay. Feed 'em this wasteless, sanitary way.

Price 35c each. Three for $1.00, postpaid. Special prices on larger quantities. Guaranteed satisfactory or money back. Order today.

H. F. PIERCE, Sole Mfr., 482 Wadsworth Bldg., Portland, Me.

Universal Rat and Mouse Catcher



Cleans a building of Rats and Mice in a short time, and keeps it cleaned, for it is always ready for use. Made of galvanized iron, can't get out of order and lasts a lifetime. A large number can be caught daily. Go to the Catcher mornings, remove device on inside, which only takes a few seconds, take out the dead rats and mice and replace device and it is ready for another catch. A small piece of cheese is used, doing away with poisons.

The Catcher is 18 inches high and 10 inches in diameter. When rats pass the device they die and no marks are left on them. The Catcher is always clean. One of these Catchers set in a livery stable in Scranton, Pa., caught over 100 Rats in a month. One will be sent prepaid to any place in the United States upon receipt of $3. On account of shipping charges being prepaid, remittance is requested with order.

Catcher 8 inches high, for mice only, prepaid for $1.

H. D. SWARTS, Inventor and Manufacturer, Scranton, Pa.

Niagara Frontier Poultry Show.

The prize-list of this progressive association shows a most attractive list of cash prizes and specials and backed up with a hall large enough to take care of a very large entry, the officers are ready to give all exhibitors who send their birds the most satisfactory results. Customs arrangements have been made for American entries so that exhibitors will experience no inconvenience and the express companies are pledged to give the entries first consideration over everything else.

Judges of national reputation will place the awards and a square deal can be looked for in all classes.

Niagara Falls is naturally placed where one of the very best shows can be held as it offers a chance to send along a few birds and go and enjoy the falls and surroundings.

The Olympia Rink has been secured for the week beginning Jan. 27th and it affords a building well heated and lighted with meeting rooms and possibilities for considerable good display.

Everyone who can possibly make this show should have a prize-list which can be had by merely addressing a card to E. L. Wallace, Niagara Falls, Ont.

Cleveland's Great Coliseum Show.

The Ninth Annual Show of the Cleveland Fanciers' Club pulled off December 2 to 7, was as usual a great success. The weather was cloudy and stormy, but the attendance was good. The ribbons were up and premiums paid promptly. The quality of birds at the Cleveland show is equal to that of Madison Square Garden and Chicago. In fact there were some birds at Cleveland that no show can beat and they will not be at either Madison Square Garden nor Chicago. The competition was so keen that to get a place at all was an honor—and some birds that had to be left out of the money can win in other large shows. Among our successful advertisers were Ira M. Crowther, Ernst Birkholz, E. H. Lichtenwalter, C. F. Webster, Ewing and Romich, H. C. & C. W. Sixt, Rocky Run Farms, Robert Mawer, Frank Schellang, H. Cecil Sheppard, Fred A. Poertner, Parsons' Poultry Plant, and Chas. McClave, who had 50 entries. This classy show should be on your list next year.—H. H. Coburn.

Greater Buffalo Show for 1914.

The Greater Buffalo Show of 1913 was one of the most successful poultry exhibitions ever held in the Queen City. It was conceded to be the most beautiful show in arrangement of cages and decorations.

The management takes pleasure in announcing that new and even more attractive features will be added to the Greater Buffalo Show of 1914, which will be held in the Broadway Auditorium November 23rd to 29th, 1914.

As many sales were made at the great 1913 show, exhibitors who were present, will return in 1914.

Breeders, who intend exhibiting at the Greater Buffalo Show in 1914, should send their names and addresses to J. H. Drevenstedt, Secy., 506 Electric Bldg., Buffalo, N. Y., so that they may receive full printed particulars of the great event from time to time.

Egypt's Greatest Show.

Was closed November 15th, 1913, and proved the claim made for it, that it is the greatest show in Egypt. The building was full to overflowing with the highest class stock ever shown in southern Illinois which came from some of the greatest breeders in the country. Frank Heck placed the awards with entire satisfaction to all.

The new officers for the Centralia Poultry, Pigeon and Pet Stock Association for

Raise large, healthy, quick growing chicks with Beck's Economy Brooder Coop and Fireless Hover—100 chick size. (The best outdoor lampless brooder on earth.) Build them yourself. Send 35c (no stamps) for plans and instructions. **RUFUS BECK, Box A-25, Sullivan, Wis.**

"Three Dollars for a Penny"

You can make 50c to $3.00 each on sick chickens, turkeys or ducks. We buy them and cure them with "OCULUM." You can too. "OCULUM" will tone your flock and give you 15 per cent more eggs. free from GERMS, fit for a KING.

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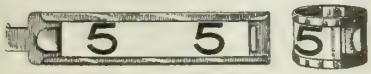
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REV. H. R. WALKER, Mobile, Ala.

"You have opened a gold mine for the chicken man." JOS. L. HENDRY, Louisville, Ky.

"My hens moulted in half the usual time and lay better." L. H. MOLAN, Pronto, Nev.

Dealers bottle, 50c or $1.00. If skeptical, dime brings either size, pay balance if O. K.
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Patent Applied for.

Send two 1 cent United States stamps for samples and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each, $2.50 a 100.

Bourne Manufacturing Co.
Box M, Melrose, Mass.

SKINNER'S STANDARD WHITE WYANDOTTES

Winners at St. Louis, Indianapolis, and the Mid-West Shows. A grand lot of Show Birds always on hand, and the PRICE IS RIGHT.

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CHICKS—CHICKS

OUR TENTH SEASON

We have four varieties. All chicks hatched from well bred stock. Order now for early deliveries. **Catalog Free.**

	Per 25	Per 50	Per 100
S. C. White Leg.	$2.50	$5.00	$10.00
S. C. Brown Leg.	2.25	4.50	9.00
B. P. Rocks,	2.75	5.50	11.00
R. C. Reds,	3.00	6.00	12.00
Broiler Chicks,	2.00	4.00	8.00

Twentieth Century Hatchery
Chatfield, Box 73, Ohio

the year 1914 are Frank Prusz, President; H. M. Barker, Secretary; C. F. Kruger, Treasurer; Willis Prusz, General Superintendent. The directors (H. L. Coffey, C. F. Kruger and June Love) wish to announce that this association will give $50 in cash to the Specialty Club whose members have the largest display at the annual show to be held at Centralia, Ill., November 11th to 15th, 1914.

Great Fort Wayne, Ind., Show.

Breeders in Indiana, Ohio, Michigan, Illinois and other central states, please take notice that the Fort Wayne show takes place January 22 to 27, 1914. This is one of the best shows in the middle states and has become a permanent institution. The judges this year are Pickett, Faulkner and Hamlin. Premium List will be ready December 15th. Please send in your name for one to the Secretary, T. J. Kucher, care City Hall, Fort Wayne, Indiana.

Poultry Shows.

The National Fanciers' Club Show will be held at Indianapolis, Ind., January 10-16, 1914. Judging from the liberal premiums offered by this association and the fact that the show comes after the holiday season, it will no doubt go on record as one of the best shows of 1913-14. Mr. Henry C. Dipple, Secretary-Treasurer of the National Fanciers' Club Show, is a hard and faithful worker, and his efforts to bring together one of the most representative exhibits of pure bred poultry this season will no doubt be crowned with success. The following judges will officiate at the National Fanciers' Club Show: O. L. McCord, Chas. V. Keeler, Louis Dambarger, J. H. Wendler and R. Roscoe McKinney. State meetings of the following National Specialty Clubs will be held during this show: National S. C. Black Orpington Club, National S. C. Buff Orpington Club, National Buff Rock Club, National White Wyandotte Club, National S. C. Brown Leghorn Club, Rhode Island White Club of America, National R. C. White Minorca Club. Twenty-five thousand school children will receive free tickets to the National Fanciers' Club Show this season. For premium list and entry blanks address Henry C. Dipple, 114 North Delaware St., Indianapolis, Ind.

Negotiations are under way which practically assure a big poultry show in connection with the National Corn Exposition at Dallas, Texas, in February. Secretary C. P. Bull has been in correspondence with poultrymen and fanciers throughout the Southwest and has met with much encouragement, and feels sure that this is going to be the largest show ever held in Texas.

The Barberton Poultry Association wish to announce through the columns of the American Poultry Journal that they have been successful in securing the services of Mr. Julius Frank of Akron, O., one of the ablest judges in the country, to place the awards at their show, January 20-24, 1914. Mr. H. C. Miller of Akron will assist in the scoring.

Frank L. Caugh has resigned as secretary of the Wisconsin State Poultry Association and James F. Irvin has been appointed in his place. This association will hold their seventeenth annual show Jan. 22-25, 1914, at Oshkosh, Wis. For full particulars address the secretary.

The East Texas Poultry Association will hold its fifth annual show Jan. 22-24, 1914. The slogan of this association is "More and better poultry." For premium list and particulars write the secretary, F. S. Riggs, Marshall, Texas.

Washington Heights Fanciers' Association will hold its annual show Jan. 21-24, 1914, at Washington Heights, Ill. Frank Heck and Wm. Plaehn, judges; Wm. J. Zuttermeister, Secy.

The National White Rock Club will hold its annual meeting during the fourteenth annual show of the Indiana Fanciers' Association show at Indianapolis, Feb. 2-7, 1914.

The fourth annual exhibition of the Lynchburg, Va., Poultry Association will be held Jan. 13-16, 1914. Newton Cosh and Chas. Nixon will place the awards.

The Muncie Poultry and Pet Stock Association will hold its fifth annual exhibition at Muncie, Ind., January 26-31, 1914. E. M. Quay, judge. The Muncie show is one of the largest and best in Indiana. Hand-

50 Best Paying Varieties



Pure-bred Chickens, Ducks, Geese and Turkeys. Hardy, Northern raised, highest quality. Fowls, Eggs and Incubators AT LOWEST PRICES. Large poultry book of valuable information 4c. Poultry Headquarters.
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Makes 'Em Turn up Their Toes Mighty Quick



Why waste time and money experimenting with ordinary lice remedies when you can be absolutely sure of best results by using

The Old Reliable



lice killer that has been the standard for 30 years. Others have come and gone, but Lambert's is still the leader—unequalled—unapproached.

LAMBERT'S Death To Lice

will clean out all lice pests—"makes 'em turn up their toes mighty quick". Fine for sitters, layers, exhibition stock. Does not injure hens, eggs, chicks, or soil plumage. Sold in 10c, 25c, 50c and $1.00 sizes. If your dealer hasn't it, we'll see you are supplied. Send 2c stamp for Lambert's latest copy "POCKET BOOK OF POINTERS" a valuable book for poultry raisers. (3)
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BEST IN THE WORLD
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I will give a lot of new sorts free with every order I fill. Buy and test. Return if not O. K.—money refunded.

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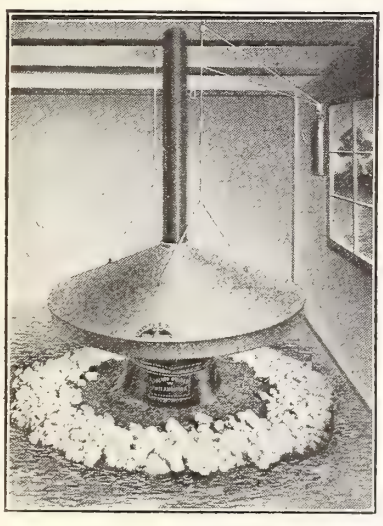
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S. C. BROWN LEGHORNS
Winners at Buffalo, Dec. 1913
Our winnings prove our quality. We won: Cockerels, 1-3-4. Pullets, 1-3-4-5. Cock, 2. Hens, 2-3-4. Pen, 1. Display, 1. Selected Exhibition and Breeding Stock for sale. Eggs in season—the kind to please.
Rockfellow & Hubbard
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"BARE FACTS"
About Show Coops, Live Chick Boxes, Trap Nests and Poultry Supply Catalog to
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ALLEGAN, - MICHIGAN

Ideal Coal Stove Brooder



Send for our Free Booklet
Describing the Ideal Coal Stove Brooder. Price $17, with Automatic Regulator $22.
Heats poultry houses and broods large flocks. Superior to oil burners in safety, economy and amount of heat. It is made by a firm which has manufactured stoves for over 60 years. The adjustable hoover to the Ideal Coal Stove Brooder is regulated with pulleys and cords (note illustration). The height can be adjusted according to the temperature. Economy, plus effectiveness, is found in the Ideal Coal Stove Brooder.
LIBERTY STOVE CO.,
Philadelphia, Pa.

some silver cups will be given the best pens of all principal breeds. One large sweepstakes cup for best pen in show room. Send for Premium List to Ray M. Allen, Muncie, Ind.

The Fox River Poultry & Pet Stock Association will hold its annual show Jan. 29-Feb. 1, 1914; Wells and McClave, judges. For full particulars write the secretary, W. L. Lamb, Appleton, Wis.

The Perry County Poultry and Fanciers' Association will hold its second annual show at Duncannon, Pa., Jan. 6-9, 1914. Premium list now ready. Write for one to the secretary, H. C. Hemperly, Duncannon, Pa.

The Guernsey County Poultry Association will hold its ninth annual exhibition at Cambridge, Ohio, Jan. 21-24, 1914; $200 in cash and a fine lot of other special prizes; Ira C. Keller, judge. Write for premium list to the secretary, Jas. C. Sarchet, Cambridge, Ohio.

Buff Leghorn Club Catalogue.

This Club has just issued a neat, well printed and illustrated 64-page catalogue, telling all about their favorite breed, and nothing but the good and bad points about the Buff Leghorn can be found in this book. It is worth 25 cents to any person who is just beginning in the poultry business, but will be mailed free to any person addressing Geo. S. Barnes, Sec., Battle Creek, Mich. If you are looking for some good fowl to add to your yards, the studying of this catalogue will help you wonderfully. Buff Leghorns hatched in July will lay in December, and win prizes. What more is wanted of a breed of chickens.

Notice is hereby given that the annual meeting of the Illinois State Poultry Association will be held at four o'clock Thursday afternoon, January 8, 1914, in the office of the secretary, in the State Arsenal Building, Springfield, Ill., for the purpose of such business as shall legally come before it. We appeal to each member to enter at least one specimen and to attend this meeting. Prof. R. C. Lawry and Prof. A. G. Phillips will address the banquet Wednesday night. You can't afford to miss it. William Osburn, President; Theo. S. McCoy, Secretary.

The annual meeting of the Idaho State Poultry Association will be held Jan. 26-31, 1914, at Boise, Ida. J. H. Drevenstedt, of Buffalo, one of the best authorities in America on the standard-bred fowl, will do the judging. The comparison system has been adopted and competition will be open to the world. L. L. Long, a live-wire fancier, is the secretary of the association. His address is Box 1396, Boise, Ida.

The annual meeting of the National White Wyandotte Club will be held in connection with the Cedar Rapids, Ia., show Jan. 11-17, 1914. Meeting will be held Tuesday night, Jan. 13, 1914. For further information write A. J. Gies, Sec., Delmar, N. Y.

The Virginia branches of the American Barred Plymouth Rock Club and the American S. C. Black Minorca Club will be held in connection with the Lynchburg show. Premium list now ready. Address the secretary, R. H. Anderson, Lynchburg, Va.

The annual meeting of the American Houdan Club will be held at Boston, Jan. 14, 1914, at 2:30 p. m., in connection with the Boston show. For further particulars write J. A. Underwood, Sec., Penn Yan, N. Y.

Mrs. A. A. Carver, Seville, Ohio, purchased of Urban Farms, Buffalo, N. Y., their entire string of Golden Campines, including their imported birds and winners at the Greater Buffalo Show last month. This string, together with her own fine string of Goldens, including the 2nd New York State cockerel and the finest Golden cockerel she could import from Rev. Jones, should make her one of the leading Golden Campine breeders in this country.

Urban Farms, Buffalo, N. Y., report the following winnings on White Plymouth Rocks at the Greater Buffalo Show: 1-2 cock, 1-2-4 hen, 2-4 cockerel, 2 pullet, 1-2 pen, special best male, special best female, special display. Every prize won with the exception of fifth cockerel was taken by stock either raised from eggs on his farms, or sold by them, or hatched from eggs from their pens. Look up their ad in this issue and write for further particulars.

FISHER'S BUFF ORPINGTONS
Are known America over, winning at all the prominent shows, including Madison Square Garden, Chicago, Cleveland, etc. Mention A. P. J. when writing.
C. E. Fisher, Box 391, McConnellsville, O.

Barred Plymouth Rocks
of highest quality. Record breaking layers. Write your wants for the early shows. Maple Grange Poultry Yards, S. M. Goucher, Moorestown, N. J.

Whatever you need in
R. C. Reds
Address, C. E. RILEY, 431 Fargo Ave., Buffalo, N. Y.



ADJUSTABLE CLINCH — NO BETTER
Poultry Leg Bands Made
25, 20c: 50, 35c: 75, 50c: 100, 65c; 200, $1.00. No stamps taken. Frank Cross, Manufacturer, Box 506, Montague, Massachusetts



THE "SIGNET" LEG BAND
is in the lead, its the one you need. Price 12-15c; 25-20c; 50-35c; 100-60c. **"Silver Tip" Pliers** made for putting on bands, price 10c. 3c extra for postage. Mention A. P. J.
W. J. BALL, SALEM, OHIO

Barry Farm
S. C. White Leghorns
H. R. BARRY, Owner
Box 117 Far Hills, N. J.

White-Wyandottes-White
Won at Illinois State Show, 1913, on three entrees 4th hen and 4th pullet; at Inter-State Show, Petersburg, Ill., made a clean sweep, winning all first and second premiums. A grand lot of cockerels and pullets for the early shows, get my prices.
O. A. CARMAN PETERSBURG, ILLINOIS

Made by the World's Largest Manufacturer of Ready Roofings
Certain-teed
Roofing
Guaranteed 15 years—lasts longer

WARM WATER---GET EGGS
A Little Putnam Stove; 9 inches diameter; 4 inches high: fire proof; keeps poultry fountains from freezing in coldest weather; holds 3 pints oil; **burns a month without refilling or trimming**; prevents frosted combs; extra eggs pay for stove every week. Used in empty box makes perfect oat sprouter. **Price $1.00 postpaid.** Satisfaction or money back. Canvassers wanted every where, and an agent at all poultry shows. Circulars with testimonials free. I. Putnam Route 105, Elmira, N. Y.

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A Practical Poultry Story, by "Uncle Cal" Stoddard

An unusual book, so different from any other now in poultry literature that it is in a class by itself.

BASED on actual facts and told in a breezy manner, it appeals immediately to the reader. It is not a story about poultry alone, but we are certain that the reader will absorb more practical information from the pages of this book than he could obtain from any text book published exclusively on poultry. The story tells the actual facts of how the poultry business presented unheardof opportunities for a foreman in a foundry, who after serving his company for many years had been discharged, and how in a very short time he built up a business that netted him a bigger salary than he ever earned before. The appendix in the book gives complete feeding formulas, symptoms of and remedies for poultry diseases. This part of the book alone is worth dollars to anyone keeping a few fowls.

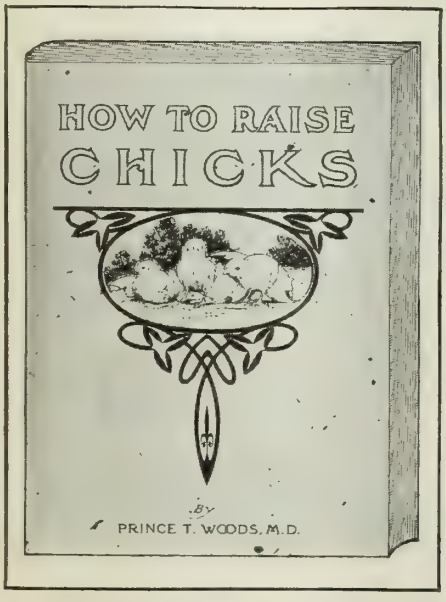
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How to Raise Chicks



INCLUDING REVISION OF "FACTS ABOUT WHITE DIARRHOEA"

A down-to-date manual on breeding poultry, getting hatchable eggs, incubation and brooding both natural and artificial, preparing chick foods, feeding chicks, how to raise chicks and how to avoid and prevent disease and losses. Told in plain language. Illustrated with reproductions from photographs and pen drawings. Tells how to make your own brooders and chick foods. Written by a man who knows how and how to teach others. 88 pages, 35 illustrations and 5½x8 inches in size. Printed on good paper. Well and durably bound in cloth.

A Book for Everybody Who Keeps Fowls or Grow Chickens Whether Beginner or Old Timer in the Field of Poultry Work

It has ten chapters: Chapter I—Selecting and Mating Breeding Stock. Chapter II—Food, Vegetable, Animal and Mineral. Chapter III—Fowls and Food. Chapter IV—Care and Management of Breeders. Chapter V—Eggs for Hatching. Chapter VI—Iucubation, Natural and Artifical. Chapter VII—Brooding with Hens and with Brooders. Chapter VIII—Chick Foods and Feeding Chicks. Chapter IX—Growing Chicks. Chapter X—Facts About White Diarrhoea. What white diarrhoea is. Symptoms of disease. Causes. Is there more than one form? Has germ of specific disease been found? Infection. Prevention. Treatment. Formula for a simple remedy which has proved effective in many cases in many climates for four years.

Here is a book devoted to chick comfort and to more and better chicks, 75 cents per copy postpaid. Learn to save your chicks; that means more profit; Dr. Woods tells how; send for the book now, only 75 cents, cloth bound.

75c per copy, postpaid; with American Poultry Journal, one year, only $1.40. Canadian subscribers add 25c for postage, foreign 50c.

American Poultry Journal, 542 South Dearborn St., Chicago, Illinois

The Niagara Farms.

The Niagara Farms as seen today, with their many thousands of inhabitants of the feathered tribe and with a regular army of workers, is the result of 28 years of intensive poultry study and work. Way back in 1885, when the poultry business as we know it today was simply the chicken business, these farms were started, a pioneer in the class of more and better poultry, and like a ship on the high seas without a chart, for they had to find their own way, learn their own lessons and trust to the future for success.

Beginning with one pen of White Wyandottes, this plant grew and prospered, reaching its present enormous size, and is still on the increase year by year. In time other varieties were added—the White Rocks, S. C. W. Leghorns, Pekin Ducks, Indian Runner Ducks and R. I. Reds. The aim ever remained the same—it was quality first—and in all their years of business they have been consistent winners at several of our best exhibits and national expositions, also including Madison Square Garden, New York.



The actual figures of what this plant is and has done are staggering in size, for here are bred and raised over 100,000 head of chickens and ducks annually. Upwards of 75,000 day-old chicks and ducks are sold, many thousands of eggs for hatching and a thousand tons of "Niagara Brand" of cut clover for poultry feeding. In market poultry alone they have built up a trade that takes weekly 3,500 head of broilers, roosters and spring ducklings, and for ten weeks this season their output was 5,600 head per week. Their feed bill alone averages $150 per day the whole year round. For poultry and ducks close to 10,000 breeders are kept, and here are over 300,000 square feet of floor space under cover to house the stock. On this farm are over 200 colony breeding houses, all yarded; several large breeding houses and duck sheds; one is 36 feet wide and 1,500 feet long, and others in proportion; a 10,000-bushel capacity grain elevator, located beside the R. W. & O. R. R., with their feed house adjoining, and with their own railroad and cars for feeding purposes extending to all parts of the farm. There are nine wells on the farm, with four windmills, and large supply tanks from which water is supplied to all buildings and whenever desired by about 20,000 feet of piping.

We feel that this description does the plant but scant justice, for there is too much there to see to properly present in any one article; but it will give the reader an idea and we hope a desire, for here progress and success are stamped visibly in every department and in an unmistakable manner, for it is a plant that we shall always point to with pride, for it is the direct result of broad-minded business principle of long and deep study, with unlimited work and the greatest possible credit to both W. R. Curtiss and W. J. Curtiss and their noble father, whom we were very glad to meet during our visits there.

THE STOCK AS SEEN THERE.

Ducks are the leading factor on this mammoth plant, and at the time of our visit, Nov. 14, 1913, it was a case of ducks everywhere. The breeders had been selected and were mated for next season's business, while the killing stock were carefully graded in large flocks growing to size and weight that spells their doom at from 10 to 12 weeks old.

The mammoth Pekin Ducks are the specialty here, with the name mammoth most appropriate, for we have never in all our experience seen such a magnificent flock of ducks before. The breeders are a wonderful lot. Here were drakes weighing up to 12 pounds each, and ducks from 10 to 11 pounds, with size in proportion to weight. Their fine long bodies, broad and deep and full breasts, told of their worth. They have won highest honors at our best shows, and we dare say that we seen better ducks here at this time than we have ever seen in the show room.

The White Runner Ducks are coming into great favor, and here they are a close second in numbers to the Pekins. Their breeders in these had added attractions for us, with their history as told us by W. Jay Curtiss, who so kindly acted as our guide on the trip over this farm. These great flocks of Runners were all hatched from but seven breeders this season, and here were two flocks of a hundred each and several pens of a quality hard to equal. They were just alike in form and general character, making them a most desirable lot. This should also be said of their Pekin ducks, for they, too, were all moulded after one type and from the same pattern.

In Pekins they have for sale at this time a few hundred extra choice breeding ducks and a great lot of superior drakes that may interest some of our readers.

Their White Wyandottes and Rocks, as well as their Reds and S. C. White Leghorns, were mostly on near-by farms at the time of our visits, but we have known this line for many years and have seen them as winners at so many shows that we know and can well recommend their quality.

DAY-OLD CHICKS AND DUCKS.

Baby chicks and ducks are a leading feature here, and last year close to 100,000 were sold. The day of our visit thousands of chicks and ducks were taken from the incubators, and during the four days of that week close to 20,000 were put in their own brooders to raise for the trade. Here were the baby ducks of every size from the day-old to that of 90 days, who were facing the end of their existence and were fed up to supply the most delicate demands of American appetites. There are no special seasons here—every day is alike. Hatching is done the year round, and the birds start on their way to either the breeding pen or the killing house, according to quality and demand.

THE FEEDING QUESTION.

Our readers can well imagine that the feeding question is one of first importance on a plant of this size. The cost of food is an important item; but far more important are the results to be attained by proper feeding. To grow the ducks and chicks properly and quickly is the real secret of this line, and it is in this that this farm has well succeeded. The proper ration and right mixture to insure rapid growth within the least possible time and at the smallest expense are some of the great questions they have conquered with time and experience, and while their feed bills now average upwards of $150 per day the year round, results are obtained to warrant their mode of feeding and has insured their success.

THEIR STRAIN OF STOCK.

While they obtain proper results by feeding, we are personally positive that much of these results are directly due to their strain of breeding birds. They show careful selection and superior quality. Their breeders in Pekin and White Runner Ducks are the pick of a hundred thousand bred yearly, and the same can be said of their White Wyandottes and Rocks, and of their Reds and White Leghorns—all are bred and built on highest standard quality and to actual practical value.

NIAGARA FARM POULTRY BOOKS.

W. R. Curtiss & Co. have issued two



MISS CAREY

Her Stud wins honors at the Dairy Palace Club Shows 6 successive years. (Write for Stud Record)

SHOW BIRDS - from $10 EGGS for HATCHING from $ 5
BREEDING PENS from 35 DAY OLD CHICKS - from 10
[Chicks from Harmony Park only]

ORPINGTONS: Buff, White, Blue
FAVEROLLES: Buff, White
LEGHORNS: Buff, White, (260 egg strain)
CAMPINES: Silver, Golden
SUSSEX: Red, Speckled
DUCKS: Indian Runners, Buff and Blue Orpington

ALL BREEDS OF POULTRY, WATERFOWL, DOGS AND PONIES EXPORTED TO ORDER

Book your orders today. Remember this is one of the leading export yards in the world and one that holds a world-wide reputation for the quality of stock supplied and wins secured by customers, and fair dealing. Hundreds of birds are exported annually in a wide variety of breeds, and we satisfy our customers in each one so they come again. **Won't you send us a trial order.** Write to England for my latest price list.

TOYNTON, SPILSBY, ENGLAND
Cable: Carey, Spilsby

or

HARMONY PARK, SCOTCH PLAINS, NEW JERSEY, U. S. A.
Cable: Harmony Farwood

books that are of special interest to the breeders. One, their regular catalog, which is free for the asking, contains rather fully a descriptive article of their plant, varieties and mode of doing business. The other, "The Curtiss Poultry Book," is one of the best we have ever seen, for it is a "practical" book—one that all can read and understand. It handles every question of the duck and chicken business from the production of eggs to the marketing of dressed poultry, and also contains their six formulas for feeding. We believe this book sells for 25 cents. Like this farm, their brand of Niagara cut clover is used and known the country over. We were delighted with all seen there, for it is a positive look at money in poultry, and we will surely hope to call again and to tell our readers more of this great plant.—H. P. Schwab.

Cleveland's S. C. Black Minorcas.

Elmer Cleveland, of Imlay City, Mich., is fast placing himself among Michigan's



foremost Single Comb Black Minorca breeders. This variety of fowl will always be a popular one for an all-round purpose fowl. They have the size for a table fowl, and they are great layers of large, snow-white eggs that demand a fancy price. As a fanciers' fowl they are among the best.

The type of the Black Minorca is so distinguished and their beautiful glossy green-black plumage makes them very attractive. Mr. Cleveland's breed run very long in back, and tail carriage is low. He advocates medium size comb and is breeding them much smaller than the English type. His Minorcas are strong in clear, white ear lobes. He seems to have a system of mating Minorcas for fine type and green-black plumage free from that objectional purple barring. He raises most of his youngsters with good mother hens on free range. This in part accounts for their excellent color and great size and vigor. It is needless to state that the eggs are as fertile as sparrows and that he received many reports of excellent hatches.

We had the pleasure of handling his birds at the Imlay City Fair and placed the following awards: 1st cock, 1st hen, 1st and 2nd pen, 2nd pullet, 2nd cockerel. His pullets and cockerels were young or they would have won first place, hands down. He is mating some very fine pens for the egg trade. If you order settings or birds from Mr. Cleveland you may be assured of good treatment. H. H. Coburn.

A New Sectional Hot Air Incubator.

Among the displays of appliances at the recent Chicago Coliseum Poultry Show was a new incubator that promises to revolutionize the making of mammoth machines. This machine was the Schwalge Sectional Hot Air Incubator. The writer of these lines confesses that he viewed this new device rather critically at first.

He knew the apparent difficulty of driving hot air horizontally and suspected that the sections furthest away from the heating unit would be much colder than those located nearer. But he was agreeably surprised to find that the more remote sections were slightly warmer.

While making this investigation the writer was accompanied by H. A. Robinson, of Downer's Grove, Ill., and who, by the way, is a consulting engineer and conversant with heating problems as they pertain to buildings. He can bear testimony to the fact that the thermometers were, practically speaking, uniform in every section.

Mr. Schwalge, the inventor of this machine, has exercised every care in the development of this machine and before offering it to the public tested it in hatching 6,000 ducks during the past season.

This machine is just what many poultrymen have been looking for. It enables the beginner or small farmer to start in a small way—with a 150 or 500-egg machine and add to his numbers as he increases.

It is impossible here to go into all of the details of construction; but their catalog tells all. Send for it. Address William Schwalge, Manufacturer, Dept. A, Elmhurst, Ill.

An Interesting Exhibit.

Sixty Perfection White Wyandottes of uniform type were exhibited at the Great Mid-West Chicago Show by George H. Rudy, Route 15, Mattoon, Ill. The exhibit consisted of 40 male birds and 20 females and was one of the main attractions of the show. Particular interest was shown in the male bird sired by the great Perfection, unbeaten champion wherever shown. This bird possesses all the standard requirements and would be an easy winner in any competition.

It may interest our readers to know that three pullets in this exhibit laid one egg each day during the five days of the show. This exceptional showing may be attributed directly to their breeding. These three pullets will be placed in individually mated pens for the spring egg trade. The birds were not competing for prizes, but were merely on display to show the uniform type of Rudy's Perfection White Wyandotte strain and the fact that Mr. Rudy sold 48 of these 60 birds in the show room is evidence that his birds and prices are satisfactory.

Anyone desiring White Wyandottes of uniform type and color and especially good male birds at reasonable prices, should communicate with George H. Rudy, Route 15, Mattoon, Ill.

Fischer's bred-to-lay exhibition White Orpingtons make great winnings. At the great Coliseum Poultry Show, St. Louis, they won 1st and 2nd cock, 1st and 2nd

DUSTON

The Breeder who Made the White Wyandottes

25 years successful breeding, showing and selling winners. Elegant catalog telling the story sent for 15c. You'll make a mistake if you don't write me for quotations.

Arthur G. Duston
Box 1020 So. Framingham, Mass.



First Prize Cockerel, Illinois State Show, 1913 and winner of A. P. A. Diploma. Bred and owned by Luther J. Hall.

HALL VIEW POULTRY FARM

BARRED PLYMOUTH ROCKS

Winners at Chicago and Illinois State Show; our birds have also won for our customers at Atlanta, Ga., Goshen, Ind., Elkhart, Ind., Minneapolis, Minn., Regina, Canada, and many other of the leading shows of America.

At the Great Coliseum Show, Chicago, Dec. 1913, with three entries, I won second exhibition pullet; at Illinois State Show, Jan., 1913, won 1st cockerel, champion male, 1st pullet, mated pen. I can furnish you Rocks that will win for you, and breeding stock that will produce winners.

Eggs for hatching. Satisfaction positively guaranteed.

LUTHER J. HALL, KENNEY, ILLINOIS

JOE-PYE Orpingtons



Nell Gwyn, 2d Boston Hen, 1912
1st, Grand Central Palace

Another Great Win at Grand Central Palace New York December 2-6, 1913

IN a class of 173 Buff Orpingtons of exceptional quality, we won

Cocks 1st and 2d
Hens 4th and 6th
Cockerels 1st and 5th
Pullet 7th
Pens 2d, 3d and 7th

We also won special for best display, best shaped male and female, best colored male and a medal for best Orpington in the show. This, combined with our great win of Dec., 1912 at this show, places our Buff Orpingtons in the front rank.

We are receiving daily letters telling of customers' wins, both here and in Canada.

JOE-PYE ORPINGTON FARM
HARRY STACEY BENTON, Owner
R. F. D. 5, SO. NORWALK, CONN.

hens, 1st and 2nd cockerels, 1st and 3rd pullets, 1st and 2nd pens and all specials. At the Arkansas State Show at Rogers, Ark., they won four firsts on 5 entries. At the great National White Orpington Club Show, Cincinnati, in strongest competition, they won at the same time 1st pen old, 1st pen young, 1st and 5th hen, 2nd pullet, 5th cock and 5th cockerel. They have 1,100 quality birds to select from and will treat you right. Write them if you are in the market for egg laying strain. White Orpingtons. They will have 20 pens for egg trade. Also baby chix. Address Shawnee Poultry Farm, Dept. M, Jos. H. Fischer, Mgr., Jackson, Mo.

Licene Kills Lice and "Nits."

When other lice killers fail, try Licene. It does the work every time. Send to the Licene Co., 1500 Pontiac Building, Chicago, Ill., for a tube of Licene, price 50 cents, and they will send you enough Licene for 200 birds. This firm will refund your money if you are not satisfied.

H. P. Schwab, Irondiquoit, N. Y., breeder of Barred Rocks for 25 years, says: We have used your "Licene" with grand success and with utmost satisfaction, for it is all you claim for it and there is not a louse of any kind on our birds today.

Very truly yours,
Schwab Bros.,
By H. P. Schwab.

The above half-tone represents the type of Leghorns bred at the Swastika Poultry Yards, Plano, Ill. On a recent visit to this plant we had the pleasure of handling many specimens bred and raised on this farm that showed splendid quality O. E. Faxon, the proprietor, has been making a specialty of Single-Comb Leghorns for a number of years and in that time has produced many of the winners at the leading shows of the middle West. At this time he has a number of exhibition and utility birds for sale and will furnish a limited number of eggs to his customers.

J. C. Johnston.



E. A. Webb, Ewing, Ill., the "Ringlet" Barred Rock breeder, who has been using our classified ad columns for a number of years, has decided to use display advertising in the future, and his ad will be found elsewhere in this issue. Mr. Webb has been a very successful exhibitor for a number of years at some of our largest shows. At St. Louis in 1911 he won 2d pullet-mated pen; in 1912 he won 1st cockerel, 2d pullet and 2d pullet-mated pen. In 1913 he won 1st and 2d pullet, special for best shaped female and 2d pullet-mated cockerel. At Ewing, Ill., 1st cock; 1st hen; 1st, 2d, 3d cockerel; 1st, 2d, 3d, 4th pullet; 1st, 2d pen. In fact, his birds always win wherever shown and he is in a position to supply stock or eggs at reasonable prices. Write for full particulars, and mention American Poultry Journal.

Gertrude H. Kelly, Willoughby, Ohio, breeder of Black Orpingtons, starts a display ad in this issue of A. P. J. Her Black Orpingtons have been very successful at the leading shows so far this season. At the Big Buffalo Show held recently her birds won 1st pen, 2nd pullet, 2nd cock, 3rd cockerel, 4th hen. At the Cleveland show last month they won 1st pen; 2d, 3d cock; 4th cockerel; 5th hen. The winning of the first pen at the Cleveland show makes it three times that she won 1st pen in 1913. This included the Cleveland Fanciers' Show of a year ago. No two pens made up of the same birds, and each winning made under a different judge. Write for full particulars, and mention American Poultry Journal.

J. D. Keyworth, proprietor of the Elmwood Poultry and Stock Farms, Hudson Falls, N. Y., who is a breeder of Buff and White Orpingtons, has a display ad in this issue, and we would call our readers' attention to the mention made of this stock in a write-up of the New York State Fair in our October issue. At the Albany, N. Y., show November 26-30 his Buff Orpingtons won 3d cock; 3d hen; 1st, 2d pen; 1st, 2d, 3d cockerel; 1st, 2d, 3d pullet; special for best display and special for best exhibit in the English class. Mr. Keyworth guarantees satisfaction to all customers. Write him for prices and particulars, and mention American Poultry Journal.

In this issue will be found the ad of Oscar C. Nicodemus, Wadsworth, Ohio, breeder of White Orpingtons, White Rocks and White Indian Runner ducks of the very highest quality. Write him and mention A. P. J.

R. A. Hewes, Crete, Ill., the well known breeder of Black Langshans, has a number of choice exhibition and breeding birds to spare, sired by his 1912 winners at Chicago, where he won 1st, 2nd, 3rd cock, 1st, 3rd cockerel, 2nd, 3rd hen, 2nd, 3rd pullet, 1st pen and silver cup for best display. He is mating a number of choice pens for the egg trade.



The Ideal FEEDER AND EXERCISER

Will feed any kind of poultry feed. Adjustable to feed any amount desired. Will pay for itself in six months! Increase your egg yield 25 to 40 per cent.

8-Quart Feeder....$1.75
12-Quart Feeder.... 2.50
20-Quart Feeder.... 3.00

Rain, sparrow and rat-proof. Feeders with legs, 50c extra. Our 15-quart dry mash feeder, $1.25. Fowls can't waste the feed. Can be hung up same as the others.

Agents Wanted

The Miller Anchor Co.
P.O. Box 293, Norwalk, O.
J. J. Campbell, Hartford, Conn.
General Sales Agent

A Farm Genius Discovered.

Up in the wilds of Wisconsin, 25 miles from a railroad, along the shores of Lake Michigan, once lived a young fellow who became a walking encyclopedia of farming information and the sympathetic adviser of farmers old enough to have been his grandfathers. This young man lived on a little rented farm of 20 acres. His parents were old and not able to work, and he and the little patch were their entire means of support.

Scientific farming was jeered at; yet Bill Johnson began to realize that he had to farm that 20-acre patch scientifically or else see his parents and himself go hungry. Bill's parents were poor and Bill was too busy making a living for them to hire out to earn money to go to an agricultural college, but by borrowing books, getting a lot of information from the government and from the state agricultural departments, he was able in three or four years to become so proficient in practical scientific farming that those who formerly had made him the subject of jibes, now came to him freely for advice and made money by it.

Bill used to tell how, after working alone in the fields from sunrise till dark, he would sit up till twelve o'clock at night drinking black hot coffee in order to keep awake while he could study.

He began to write a few practical experiences in farming and sent them to some agricultural papers. Mr. Herbert Quick, the author and statesman, received one of



Champion Buff Orpington Male at Illinois State Show. Bred and owned by A. A. Anderson, Macon, Ill.

these contributions from Johnson and immediately contracted with him to leave the farm and come to work on a certain agricultural paper which Mr. Quick was then publishing. Johnson's articles are now copied by farm papers the country over because they almost vie Abe Lincoln's sympathetic and simple fashion of expression.

This young genius who less than a year ago was a raw, unpolished back woodsman, has written a remarkable article—"Turning Eggs Into Chickens Into Dollars"—which is published by the Rayo Incubator Co., 1012 So. 13th St., Omaha, Nebr. This valuable little booklet, containing also a full description of the most convenient, economical and simple incubator ever invented, will be sent postpaid to all who request it.

A Very Strong Guarantee.

which must interest every one of our readers and that is the Des Moines Incubator Co. guarantees the feeding of sprouted oats as produced in the "Successful" Sectional Grain Sprouter will materially increase the egg yield from your hens during the winter months and at the same decrease the cost of feeding them. This guarantee is backed personally by Mr. Gilcrest, who for twenty years has manufactured the well known "Successful" Incubators and Brooders. This Sprouter is different from all other makes. It is built in sections, with double steel walls and has all galv. steel trays, rendering it indestructible and absolutely safe anywhere in the house. Every poultry raiser should strive to obtain as many eggs as possible from his hens, especially when this can be done by lowering the cost of feeding at the same time.

They want you to send for their illustrated descriptive matter showing the sprouter and sprouts in their natural color. See their ad on another page or write now to the manufacturers, Des Moines Incubator Co., 561 Third St., Des Moines, Ia.

The saving of labor is a large item on every poultry farm, that's why most of the large poultry plants in the country are installing Simplicity Kant Klog Poultry Feeders. They feed chickens to perfection, and instead of hand feeding four or five times a day the hopper is filled once a week, and the chickens will feed themselves. Investigate this feeder at once. It will save you many dollars in labor and feed bills. Address Simplex Supply House, Pontiac Bldg., Chicago, Ill.

Mr. E. R. Philo, one of America's most successful poultrymen, has written a book telling how to manage every detail of the poultry business by modern methods. To be successful in this business, as in any other, it is necessary to know how to do every part of the work. This is told in the Philo System Book, the new system of poultry keeping that has started more people to raising poultry than any other one thing, in recent years. It is especially adapted to the needs of the beginner—requiring but a very small initial outlay and admitting of increase as rapidly as the poultry keeper learns the work. It is the small unit plan that expands as readily and as economically as the "sectional bookcase." Whether you intend to make poultry keeping a business, a recreation, or as an addition to the present income this System will solve your problems. In less than five years the book has passed through eighteen editions, over 500,000 copies, and is helping thousands to better success. This System will be demonstrated to anyone, at the Elmira plant of the Philo National Poultry Institute, "the home of the Philo Systems," where over 5,000 chicks are raised on a half acre of land. Write Mr. E. R. Philo, Elmira, N. Y., for full particulars regarding this system.

Chicks are raised nature's way in the Simplex Perfection Feather Brooders. They require no artificial heat. The chicks hover in contentment under the natural feathers, and do not crowd or smother to death. No leg weakness or bowel trouble will be had if the Simplex Perfection Feather Brooders are used by you this season. Investigate them. Cost is small and value large. Send for catalog. Simplex Supply House, Pontiac Bldg., Chicago, Ill.

WHO BREEDS THE BLACK LANGSHAN WINNERS?

Four Year Record of HEWES FARM PRINCE EBONY STRAIN OF BLACK LANGSHANS

Chicago, 1908-09-10 and 1912, four 1st cocks, three 2d, one 3d; four 1st ckls., one 2nd, one 3d and one 5th. New York shows, six 1st cocks, three 2d, one 3d and two 5th. A 2nd, 3d, 4th and 5th ckl. Illinois State Fair, two years' winning, one 1st cock and two 2nds, two 1st and two 2nd ckls. We have bred first prize cocks for Philadelphia, Hagerstown, Baltimore, Norfolk, Pasadena, Dallas, Orange, Patterson, Illinois state show, Scranton and at Northeastern Illinois Fanciers' Show won Grand Silver Trophy three years for ten best birds in the show, all breeds competing. These prizes were all awarded by different judges except in two instances and include the best in America. Hens, pullets and pens were also in the lead at most of these shows. Black Langshans won over all Leghorns as the best layers at Missouri contest two years in succession and stood 2nd from top in 1912 and 4th in 1913, 156 and 160 eggs. Catalog 10 cents.

R. A. HEWES, Crete, Ill.

The Oakes Mfg. Co.
Cat. E, Tipton, Ind.
Please send us your special introductory price on your new Oakes Economy Drinking Fountain, together with your catalogue of Poultry House Equipment.
NAME.....
ADDRESS.....

A Really Sanitary Drinking Fountain at Last

Here it is. A galvanized steel drinking fountain that absolutely prevents any dirt from getting into the drinking water.

Germs in the hen's water may mean germs in the eggs. We don't know about this, but we do know that they mean disease in the hens every time.



The Oakes Economy Drinking Fountain

keeps both germs and dirt out of the water, because the dirt cannot get in, and any germs that sick hens might leave in the water can be easily killed by disinfecting, scalding, or exposing the fountain to sunlight.

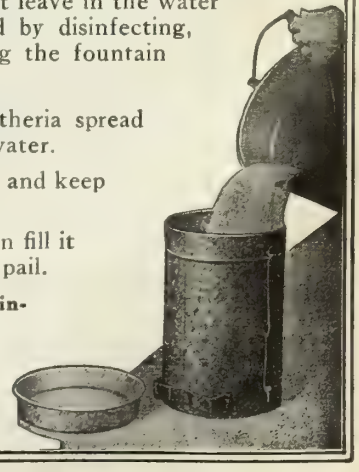
Roup, Canker, Cholera and Diptheria spread almost solely through the drinking water.

Use the new "Oakes Economy" and keep your hens well.

The bottom comes off and you can fill it or clean it as easily as you could a pail.

Mail the coupon today for special introductory price.

Oakes Mfg. Co., Tipton, Ind.



CLASSIFIED ADS

UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and **five cents per word each insertion for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under **classified headings.** No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention A. P. J. **All copy for Classified Ads must reach us by the 17th of month preceding date of issue.**

ANCONAS.

RIVERSIDE ANCONA POULTRY YARDS. Going to change my business; will sell my prize flock, consisting of cocks, cockerels, pullets and hens. Prices reasonable. T. B. Stewart, Powhatan Point, Ohio. 1-2

SINGLE COMB ANCONAS; bred-to-lay cockerels, $1.00 and $2.00 each. H. O. Bernhardt, Sturgeon Bay, Wis. 1

ANCONAS FOR SALE—Yearling hens, two cocks, cockerels and pullets. E. Metcalf, Stockport, O. 1

ANCONAS, Sheppard's, "Living Egg Machines." Stock. Eggs, 15, $2.00; 30, $3.50. Rev. E. H. Keator, Franklin Park, N. J. 12-7

HICKS' CHAMPION ANCONAS. Winners state cup, New Jersey meet, Paterson, 1913. Special for best Ancona in show, Grand Central Palace, New York, 1913. Stock, eggs, baby chicks. Catalogue. Dr. Peter Hicks, Bound Brook, N. J. 1-3

BIEHLER'S MOTTLED ANCONAS. Single comb prize winners headed by Sheppard's stock. Spring delivery of eggs now being booked at $1.50 per setting or $9.00 per 100. Birds very good quality; free range; healthy. J. A. Biehler, Strasburg, Ill. 1-3

CHOICE ANCONA COCKERELS, $3, $5 and $10. Two fine cocks, $5. Miss C. M. Lukens, Brewster, N. Y. 1-2

SINGLE COMB ANCONAS exclusively. Stock and eggs at right prices. T. R. Miracle, Sistersville, W. Va. 1-3

MEYER ANCONA YARDS, Canton, Ohio. Fine large dark well tipped exhibition and breeding stock, males and females. Eggs, chicks. Catalogue. 1-3

ANCONAS, THE EGG factory kind and show birds. Eggs, $1 to $3 per setting. E. Metcalf, Stockport, O. 1-5

PINE CREEK VALLEY Poultry Farm, Norma Bartlett, Prop. Single Comb Ancona specialist of the middle west. Booking egg orders now, $1.50 and $2.50 for 15, or $8.00 per 100. Williamsport, Ind. 1-3

PRIZE WINNING, WINTER laying Single Comb Anconas. First cockerel and second cock St. Louis, 1913. Stock for sale. Eggs, $1.50 and $2.00 per setting; $5.00 and $7.00 per 100. Cress Hill Farm, Hillsboro, Ill. 1-3

HIGH CLASS DARK Ancona cockerels. Only best birds offered. Prices $3 and up. Miss L. L. Garvin, Rural Box 36, Wheeling, W. Va. 12-2

ANCONAS—EITHER COMB. Fancy show birds now ready; let me help you when you show. Mark Lewis, Alma Center, Wis. 12-2

ANCONAS, REPRESENTING SEVERAL years' breeding from the best blood. Winners at good shows, persistent egg producers, beautiful and prolific. Write for mating list. S. B. Sykes, Gloversville, N. Y. 12-2

ANCONAS—SINGLE COMB, pullets laying at five months, few fine cockerels for sale, limited number of hatchings after Jan. 1st. Chas. Burd, Massillon, Ohio. 12-2

CHOICE EXHIBITION COCKERELS for sale. Dr. J. E. Berry, Powhatan Point, Ohio. 12-2

S. C. ANCONAS, SHEPPARD'S famous strain, large, dark, farm raised, dark tail and wings; won 14 ribbons last show. Best mating, $2.50 per 15, prepaid parcel post. Guarantee good hatch. Stock for sale. Mrs. M. R. Ward, R. F. D. 3, Carmi, Ill. 12-2

SHEPPARD'S FAMOUS ANCONAS — THE world's best. See display advertisement first page. Cecil Sheppard, Berea, Ohio. 11-13-1yr

ANCONAS, SINGLE COMB young and old stock for sale; the great winter laying strain. C. E. Brown, Powhatan Point, Ohio. 11-1

MUSKINGUM POULTRY FARM Anconas—Stock for sale. Eggs and chicks in season. Catalogue free. Evans & Timms, Malta, Ohio. 11-1

CHOICE FARM RANGE Single Comb Ancona cockerels for sale. Will spare a few trios. Carl Ebert, Whittemore, Iowa. 11-1

WANDSCHNEIDER'S GREAT ANCONAS, Ft. Atkinson, Wis. Stock for sale. My birds are bred to lay, win and pay. Write me. 11-1

ANCONAS—A FEW FINE yearling hens and dark, long-bodied, low-tailed cockerels; eggs in season. Rev. W. J. Perry, Oconomowoc, Wis. 12-2

FOR SALE—SEVERAL HIGH CLASS Ancona yearling hens at $2.00 and $2.50 each. Also a few high class cockerels at $2.00 to $3.00 each. Address Dr. J. H. Foquet, Oil City, Pa. 11-1

ANCONAS FOR SALE—Single comb cockerels $2.50 each, your choice; father of cockerels scores 92, $5.00; eggs, $1.50 fifteen. Chas. H. Dean, South Deerfield, Mass. 11-1

ANCONAS—BOTH COMBS. Grand breeding stock. Fine young birds. Superb show winners. Dr. Guy Blencoe, Vice-Pres. International Ancona Club, Alma Center, Wis. 10-13-tf

ANDALUSIANS.

BLUE ANDALUSIANS—Size and lacing unsurpassed. Big winners at big shows. Single and Rose Comb. Stock and eggs. F. L. Garnett, Nottingham, O. 1-3

BLUE ANDALUSIAN EGGS, $2.00 the 15; cockerels, $3.00 up. West Point Poultry Farm, Knoxville, Ill. 1-3

BLUE ANDALUSIAN cock, hens; good breeders. Mrs. S. H. Brooks, Salem, Ind. 12-2

BANTAMS.

WHITE JAPANESE SILKIES. Stock and eggs for sale by G. W. Kinter, Route, Dillsburg, Pa. 1-3

THE BEST IN ROSE Comb Black and White Japanese Bants. 100 grand youngsters from our New York and Boston winners; also Buff and White Cochins, $1 up. Clarence F. Davey, Vineyard Haven, Mass. 1-3

EXHIBITION JAPANESE BANTAMS. Black Tailed, White, Black, Golden Sebright, Black Rose Combs, White Polish. Birds, $2.00 up. Hez. Kinter, Dillsburg, Pa. 1-3

BANTAM SPECIALIST. Buff, Black, Partridge Cochins, Light and Dark Brahmas. I ship on approval. Circular free. Geo. C. Salmon, Port Dickinson, N. Y. 1-14-tf

LIGHT BRAHMA BANTAMS—Finest flock in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C, Dougalston, Long Island. 1-14-1yr

BANTAMS bring profit and pleasure. Our monthly tells how and why. Send 50c for a year's subscription or ten cents for a three months' trial. American Bantam Fancier, 933 Advertising Bldg., Chicago. 1-14-tf

WHITE COCHIN BANTAMS. High grade exhibition stock. Scoring to 96¼. Winners Buffalo, St. Louis, Toledo, Dayton, etc. Satisfaction guaranteed. I. R. Mankel, Upper Sandusky, O. 1-3

WHITE COCHIN BANTAMS. Nabobs of the bantam yards. Dr. Marsh, Brownsburg, Ind. 1-3

BANTAMS AND EGGS. Sebrights, Cochins, Games, Japanese Brahmas, Rose Combs, Polish, Barred Rocks. Egg orders booked. Send 2c stamp for circular. A. A. Fenn, Box 37, Delavan, Wis. 1-6

EXHIBITION BANTAMS—All standard varieties. Shipped on approval. Catalog 2c. F. C. Wilbert, Grand Rapids, Mich. 12-2

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BIG STRONG, dark cockerels $3.00 up. Pullets $2.00. Write now. Otis Harter, Delphos, Ohio. 12-2

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ENGLISH RED CAPS, twelfth year. Eggs from my best pens, $3 per 15. R. P. Weidenfeller, Mineral Point, Wis. 1-3

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OUR CIRCULAR TELLS about this good German egg breed. Novova Farm, Silver Spring, Md. 1-3

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WHITE FACE BLACK Spanish. Have bred them exclusively for fancy seventeen years. Mrs. Hattie Tyler, Fairview, Kan. 11-1

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WHITE WYANDOTTES. A good strain of utility and show birds. Eggs, $2.00 per 15. U. D. Lines, Baltimore, Ohio. 1-3

ROSE COMB WHITE WYANDOTTES—Eggs and stock. Prices reasonable. I. C. Young, Malta, Ohio. 1-3

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TOULOUSE GEESE, parent stock, weight 27 to 31 lbs. Imp. dew-lap stock, $5 each; Imp. Aylesbury dux, $2.50 each; Muscovies, Pea fowl, Pheasants, Guineas, Pekin, Rouen, Turkeys. Dawson Bros., Franksville, Wis. 1

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STRICTLY WILD AND Domesticated Canadian Wild Geese and Ducks. Guaranteed callers. Write your wants. Yamaska Poultry Farm, St. Hyacinthe, Quebec, Canada. 1-3

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WHITE AFRICAN GUINEAS, $3.50 pair. Honey Creek Poultry Farm, Kahoka, Mo. 11-1

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SILVER, GOLDEN, RINGNECK Pheasant eggs for sale. Place orders now. Prices on application. J. O. Bossmann, Horicon, Wis. 1-5

PHEASANTS ARE PROFITABLE and afford much pleasure. Young and full plumaged stock for sale. 20c for booklet, "The Pheasant Industry." Stamp for prices. Oak Grove Pheasantry, North Manchester, Ind. 1-3

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I OFFER GUARANTEED mated Homers in any quantity at $1.00 pair and challenge squab companies or dealers to produce better stock at twice this price. Beautiful White Homers, $1.50 pair. Get my prices on Runts, Carneaux, Maltese Hens and save dollars. Charles A. Gilbert, 346 North American St., Philadelphia, Pa. 1

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Write today for our January sale prices nad state make and size desired. Reliable Incubator Exchange, 1007 So. Salina St., Syracuse, N. Y. 1

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10,200-EGG NEWTOWN GIANT Incubator, 2,400-egg Candee Incubator, 60 hover Candee brooding system. All only used one season. Bargain to quick buyer. F. B. Thorne, Box 541, Trenton, N. J. 12-2

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MUST SELL CHEAP soon several 600-egg incubators used only one season. Macomb Fanciers' Co., Macomb, Ill. 1

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SUCCESSFUL POULTRYMAN, single, with fourteen years' experience, with present employer six years, judge and breeder, wishes position as manager; highest references as to ability and character. Address R., care American Poultry Journal. 1

POSITION WANTED on poultry farm. Five years' experience all branches modern poultry practice. Can do own concrete and carpenter work, pipe fitting and accounting, handle correspondence or advertising. Age 39. Randolph Matthews, Hyde Park, Cincinnati, Ohio. 1

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WANTED TO HEAR from owner who has good farm for sale. Send description and price. Northwestern Business Agency, Minneapolis, Minn. 1

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GRADUATE OF INTERNATIONAL Correspondence School's Poultry Farming Course desires position as poultry farm manager. For further particulars address Wis., care American Poultry Journal. 1-3

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CHAMPION DARK CORNISH, New York and Boston winners. Eggs, $2.50, $5 and $10. S. L. Wyandotte eggs, $1.50, $3, $5. S. C. Reds, Fawn and White Runner Duck eggs, $1, $2.50, $5. English Penciled and White Duck eggs, $2.50, $5. Stock for sale. Write me your wants. J. N. Hazlett, Box 142, Marianna, Pa. 4-13-1yr.



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S. C. REDS. I won 2 firsts, 2 seconds, 2 thirds and 4 specials at Havana, Ill., 1913. 92 Reds in the show. Some very choice young and old stock for sale. Everything shipped on approval. Write your wants. F. S. Tarbill, Havana, Ill. 10-13-1yr



AT HOOPESTON SHOW, 1912 in strong competition my WHITE ROCKS won all 1st and 2nd premiums. Cup for best 10 birds. Cup for second best 10 birds, all shape and color specials. Exhibition and breeding stock for sale at satisfactory prices. Ralph J. Park, Hoopeston, Ill. 12-13-1yr



BARGAINS IN WHITE ORPINGtons, Single and Rose Comb Anconas, single pairs, trios or pens; descendants from blue ribbon stock; satisfaction guaranteed or money refunded. Birds shipped on approval have taken more firsts than any breeder on this coast. Ira N. DeLine, Box D, Olympia, Wash. 12-13-1yr



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S. C. REDS, B. P. ROCKS. Cockerels, $2.50 and $5.00; pullets, $2.00 and $4.00; cocks, $5.00; hens, $2.50. Eggs, choice matings, $1.50 and $2.50. Write your wants. Fred G. Keller, Millersport, O. 1-3



S. C. AND R. C. RHODE ISLAND Red cockerels and pullets at $2.00 each. Eggs for hatching, $1.50 per 15, $2.25 for 30, or $5 per hundred. Satisfaction guaranteed or money refunded. Joe O'Reilly, Custer Park, Ill. 1-4



S. C. W. LEGHORNS, Young's strain. Can furnish extra choice cockerels, bred from prize winning hens that scored 94 and 94½ and from high scoring cockerel. Eggs for sale from above: Pen 1, $3.00; setting, Pen 2, $2.50; Pen 3, $2.00. My R. C. R. I. Reds are bred from hens that won 1st prize in laying contest which was held in Missouri last winter. Cockerels and eggs for sale. Pullets of above been laying for over six weeks. F. W. Mittag, Lone Rock, Iowa. 1-3



BUFF ROCKS—Single Comb Reds have won their way to distinction at such shows as Illinois State Fair, Peoria, Canton, and Bradford. A fine lot of cockerels and pullets now ready for the early shows. C. P. Scott, R. 36, Peoria, Ill. 10-13-1yr



RED HEN POULTRY YARDS. Single Comb Rhode Island Reds, the kind that win, lay and pay. Winners in the leading shows. We have some cockerels and pullets of quality for early disposal. Satisfaction guaranteed. Red Hen Poultry Yards, Lincoln, Ill. 11-13-1yr



SINGLE COMB Rhode Island Reds, superb quality at right prices. Winners at Decatur, Lincoln, Peoria and Havana, 1913. Exhibition cockerels and pullets for sale at right prices. Write me before buying elsewhere. G. P. Gundlach, Lincoln, Ill. 11-13-1yr



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ROSE COMB REDS (Buschmann-Pierce strain). Eggs for hatching from our blue ribbon pens, $2.00 per 15 or $3.50 per 30; utility, $5.00 per 100. Fertility and a square deal guaranteed. Order at once from this ad. Brookside Farm, Albion, Ill. 1-4



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HANCHETT'S FAMOUS BUFF COCHINS grown for me by Cochin specialist, have furnished Madison Square and other big winners for years. Cockerels, pullets (only the "good ones"), $5 upward. If wanting the best, write, stating wants. H. N. Hanchett, Jackson, Mich. 1-14-tf



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CHICKS. We ship thousands, are now booking orders for spring delivery. Leghorns $9, Anconas $11 per 100. Will also have Rocks, Reds, Wyandottes and White Orpingtons. Free booklet and testimonials. Freeport Hatchery, Box A, Freeport, Mich. 1-1

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BARRED ROCKS BARRED ROCKS OF GOOD TYPE and size. Winners at 1913 State Show. Cockerels of both matings and Cockerel bred show pens a specialty. If you want something good I have it. Satisfaction guaranteed. Mrs. Chas. E. Popham, Charleston, Illinois. 12-3

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Swastika Poultry Yards, O. E. Faxon, Plano, Ill.

"Early Broilers and Early Fall Layers."

We learn from Cyphers Incubator Company, Buffalo, N. Y., manufacturers of the Paradise Brooders, a unique sectional indoor brooding device, that the sale of these brooders last season was the largest in the history of the company. The following sample report from a customer is published at the request of Cyphers Company:

Lincoln, Nebr., March 5, 1913.
Cyphers Incubator Company,
Buffalo, N. Y.:

If it were impossible for me to obtain another Paradise Brooder, I would not part with mine at any price. It is the finest thing in the way of a brooder I ever saw. Last year I raised about four hundred chicks in it and the total mortality was only five out of the whole lot. At first I placed the brooder in one of the living rooms of the house, but after a month I put it in an enclosed porch. Although it became quite chilly on this porch, I never had to worry about the heat in the brooder.

This spring I built a small brooder house to accommodate the brooder, the house being made large enough for at least three more brooders as they became needed later on. With the Paradise Brooder the chicks can be cared for with the least amount of work possible, and there is no getting down on your knees to see that everything is all right. The glass sides make it possible to see all the chicks at any time, and the adjustable dampers make it easy to regulate.

I am using a 110 and 220 egg Cyphers Incubator which were purchased of you twelve years ago, at Wayland, N. Y. These machines today are giving the best of satisfaction. I am obtaining 79 per cent hatches from them on the average. The only repairs that have been bought for them have been new lamps for both I would not trade today for any machine on the market other than a Cyphers.

EDW. K. STOCKFIELD, Prop.,
White Fowl Poultry Farm.

Reader is requested to look up the Cyphers Company's full-page advertisement of this brooding device on page 117 of this issue of American Poultry Journal

E. A. WEBB'S BARRED ROCKS Win at St. Louis, 1913

First and Second Pullet, Special for Best Shaped Female, also Second Pullet Mated Cockerel.

I have 50 grand cockerels and a few pullets left for sale. I will sell eggs from six of the greatest pens in the United States. My birds are pedigreed and line bred. Satisfaction guaranteed. Write me.

E. A. WEBB -:- -:- EWING, ILLINOIS

ORPINGTONS — INDIAN RUNNERS — NONE WHITE BETTER — ROCKS

Fine Large Birds

With Wonderful Type and Color

Winning many firsts at Cleveland, O., Wadsworth, O., and other good shows. Males and females for sale. I guarantee to please. Write

Stock, $2.00 and up **Eggs, $5.00 per 15**

OSCAR C. NICODEMUS, WADSWORTH, OHIO

"Licene" KILLS



One Application of LICENE will Positively Rid your Birds of Lice and Nits

APPLIED ONLY TWICE A YEAR

MR. E. B. THOMPSON, President of the American Poultry Association, says: "I have tried **Licene** with very best results; it is a most excellent preventative of lice and a rapid exterminator. **Licene** should have a great sale to poultrymen, who must appreciate its value after being tried.

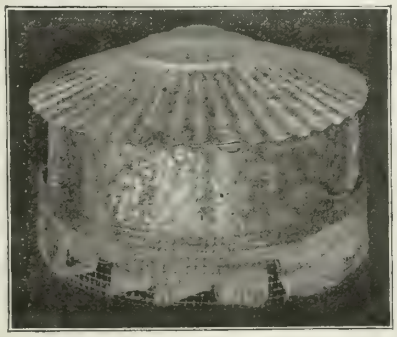
E. B. THOMPSON, Amenia, New York."

LICENE HAS NO EQUAL FOR SCALY LEGS

Enough for 200 birds, postpaid 50c. Money refunded if not satisfactory

CIRCULARS FREE. AGENTS WANTED.

THE LICENE COMPANY, 1500 Pontiac Building, CHICAGO, ILLINOIS



Before Buying Brooders

Investigate the merits of the only **Natural Feather Brooder.** Raise your chicks under real natural conditions. **Nature** intended chicks to be raised with the aid of **body heat** distributed by **feathers.** No artificial heat can produce the desired effect. **Raise** more strong healthy chicks this season with

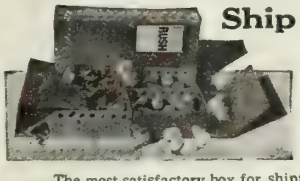
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WEATHER AND RAT PROOF

Prices $4 to $10. Sizes 50 to 150 chick.

Complete catalog of Feather Brooders, Simplicity Kant-Klog Feeders and other poultry appliances will be sent on request for book No. 100.

Simplex Supply House, Pontiax Bldg., Chicago, Ill.



Ship Day Old Chicks in This Safe Box

We ship thousands of baby chicks each season from *Tywacana Farms* to all parts of the country in the strong but light and compact

Wright Box
THE RIGHT BOX

The most satisfactory box for shipping chicks. It has adjustable ventilating regulator which meets varying weather conditions more satisfactorily than any other device. Chicks do not trample, smother or get chilled. Made of double, reinforced corrugated cardboard—it is

Strong—Simple—Safe—Sanitary



The New Wright Egg Box is the strongest and lightest package for shipping hatching eggs or fresh table eggs. Easy to pack—each egg has absolute protection—cannot shake or jar. Both chick and egg boxes are shipped to you flat and are easily set up and packed for shipment to your customers.

Write today for Free Booklet describing The Wright Boxes for shipping chicks and eggs.



TYWACANA FARMS POULTRY CO.

A. E. Wright, Supt. **Box 53 Farmingdale, Long Island, N.Y.**



CARVER'S RED FARMS



We now have for sale some of the fastest cockerels we have ever produced. They were hatched from eggs from our great non-fading pen of hens mentioned by Judge Coburn, page 1466 Nov. American. We have now mated this pen to the finest cock bird we ever grew and will book a limited number of sittings for Spring delivery.

A. A. CARVER : LOCK BOX 2 : SEVILLE, OHIO

JACOBUS' SILVER AND GOLDEN CAMPINES

Exceptionally fine bargains in both old and young stock. My book **"Campines by Jacobus"** free unless you prefer to send postage.

M. R. JACOBUS — BOX 3-J — RIDGEFIELD, NEW JERSEY

CROWTHER'S REDS AT CLEVELAND

COLISEUM SHOW, DEC. 2-7, 1913

Won S. C. Cock 1-4-5; Hen 1-2-4; Cockerel 1-2-3-4; Pullet 1-2-3-5; Pen 1st. All color and shape specials; Ohio State Rhode Island Red Club of America Cup; all cash specials. R. C. Cock 1st; Cockerel 3-5; Pullet 2d. **The greatest Red Victory in the History of Cleveland.** Send for mating list. Grand breeders for sale.

IRA M. CROWTHER, -:- Box A, -:- WILLOUGHBY, OHIO

Cole's Buff Plymouth Rocks Win

At the National Club Meeting, Cleveland, Dec. 2-7, 1913—3rd cockerel; 3rd, 4th and 5th cock. **Chicago, Dec. 12-17, 1913**—3rd hen, 1st and 4th cockerel, 1st pullet and 1st pen young, best display and central district cup offered by the club. Demonstrating my ability to produce the quality necessary to win. **Eggs from best matings $5 per 15, $9 per 30. Mating list free.**

FRANK C. COLE -:- BOX A -:- VAN WERT, OHIO

THE MIAMI POULTRY YARDS CO.

JOSEPH L. HESTON, Proprietor, TRENTON, OHIO

We will make a specialty of day-old chicks, and will have an annual capacity of 150,000 chicks. We will hatch the following varieties: Black, White and Buff Orpingtons; Buff, Brown and White Leghorns; Partridge, Barred and White Plymouth Rocks; S. C. Rhode Island Reds, S. C. Black Minorcas, Anconas, White Wyandottes, Buff Cochins and Cornish Indian Games. The catalogue will be ready January 1st, 1914. For a copy please address

JOSEPH L. HESTON, Manager, TRENTON, OHIO

Scranton's S. C. Rhode Island Reds

Chicago—December, 1913, Winners—Cincinnati

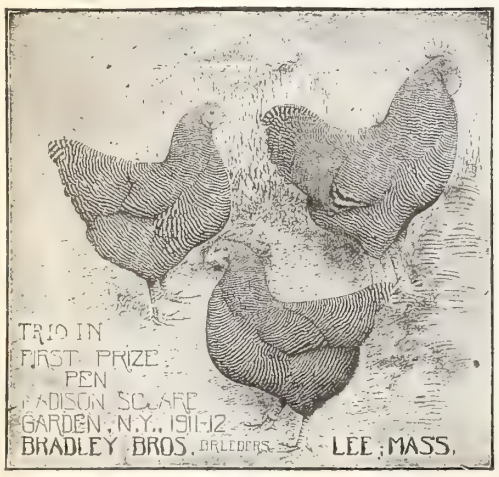
First, 3 Hen, Chicago
First, 2, 4, 5 Cock, Cincinnati
First, 2, 3 Pullet, Cincinnati
First, 2 Cockerel, Cincinnati
First, 2 Old Pen, Cincinnati
First, 3 Young Pen, Cincinnati
Second, 3, 4 Hen, Cincinnati
Second, 3 Cock, Chicago
Second, 3, 4 Cockerel, Chicago
Second, 5 Old Pen, Chicago
Fourth, Young Pen, Chicago

At the Chicago Coliseum Show, December, 1913

I won on three entries **second, third and fourth cockerel** in a class of **105** cockerels—the largest class ever staged—winning more points on male birds than all competitors combined. Can furnish show birds or breeding stock of **highest quality.** My matings this season will be the best **ever.** Tell me your troubles. Mating list Feb. 1.

B. H. SCRANTON BOX 350 RISING SUN, INDIANA

Bradley Bros. LEE, MASSACHUSETTS Barred Plymouth Rocks



Are Known for Their Long Continued First Prize Record at Madison Square Garden Shows.

For 24 years Our Strain, including Birds we Bred and Raised Shown by Customers, has held the lead by Winning as many First Prizes on Cockerels as any Exhibitor; Also More First Prizes on Breeding Pens; 11 per cent More First Prizes on Males; 66⅔ per cent More First Prizes on Cock Birds than any other exhibitor has won on Any stock during that time.

We Are Now Selling Our Breeders and Mature Birds at Exceptionally Low Prices, Quality Considered, and are in a position to give our customers Unusual Bargains in 1912 Hatched Males and Females. We have also a Limited Number of Superior Early Chicks for Fall Trade. Write for wants.

BRADLEY BROS., BOX 909, LEE, MASS.

OUR BREEDERS FOR SALE



All Three 1 Yr. for **$1.00**

Greatest Subscription Offer Ever Made

The Three Best Poultry Papers for the Price of One

American Poultry Journal, the one great poultry paper of America, is now in its 45th volume. Contains as high as 252 pages per issue. The eight-page colored supplements and colored covers each month are alone worth the subscription price.

American Poultry Advocate, published at Syracuse, New York, one of the widest quoted publications in the field, is always readable and instructive, and is conceded to be one of the best papers of its kind in the East.

Western Poultry Journal is one of the oldest poultry papers in America. Published at Cedar Rapids, Iowa, it has long been recognized as one of the most up-to-date and progressive papers, appealing alike to professional and amateur.

These three papers of the East, West and Middle-West cover the country thoroughly and no matter where you live you will find your peculiar problems treated with familiarity.

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This offer, for both new and renewal subscriptions, has met with a tremendous success, and we have made arrangements to continue it until May 31st, 1914. **Void after that date.**

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L.A. STAMMER

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

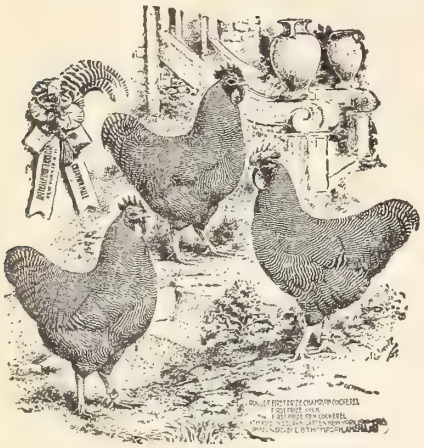
Win the most remarkable record beyond all precedent in Barred Rock history at the imperial and most classic show of all America—Madison Square Garden, New York—winter of 1913, winning as follows:



First, second, sixth and eighth on cockerels.
First and sixth on pullets.
First, second and fifth on exhibition pens.
First on cockerel mated pen.
Second, third, fourth and fifth on cocks.
The Imperial Prize of the show, Sweepstakes special for champion male.
Sweepstakes special for champion female.
Diploma presented by the Amer. Poultry Asso. for best cockerel.
Sweepstakes cup for best Plymouth Rock hatched in 1912, male or female, any variety.
Challenge silver cup for best exhibition pen.
Special best shaped male.
Special best colored male.
Special best colored female.
Best cock, cockerel, hen and pullet, four best cockerels, four best pullets, $25 special prize, presented by the New York Show for finest display.
All silver cups and cash specials—four times as many first prizes as any competitor.
More first prizes than all competitors combined. More first, regular and special prizes than won by any exhibition of any breed.



My Exhibit of 56 Birds Was the Best the World Has Ever Seen



"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York, Winter 1910-1911.

The Three Greatest Living Barred Rock Males

No other Barred Rock breeder has ever produced or is producing such matchless quality. Every feather in my exhibit was bred on my farm. My First Prize Champion Cockerel and First Prize Champion Pullet are years ahead of their time. They are the product of the highest skill.

No other Barred Rock breeder has ever accomplished the unprecedented achievement of winning the two greatest prizes in the world, Sweepstakes Champion Male and Sweepstakes Champion Female, at one show in Madison Square Garden. For 25 years at New York my "Ringlet" victories have been complete; my clean sweep of 1ST, 2ND, 3RD, 4TH AND 5TH PRIZES on pullets has never been approached at Madison Square Garden

and stands alone and unequalled. The Imperial "Ringlets" are the standard by which all other Barred Rocks are judged. To meet success in winning prizes you must have my birds and eggs. I will sell you grand exhibition birds for any show, and breeders of this Richest First Prize, New York, blood mated to produce prize winners. Richly illustrated 70-page catalogue upon request. It is full of original pictures of New York winners from life.

See My Other Ad

EGGS

from the finest exhibition matings in the world, $10 per setting; four settings, $35; one hundred eggs, $60.

E. B. Thompson

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VOL. 45 FEBRUARY, 1914 NO. 2

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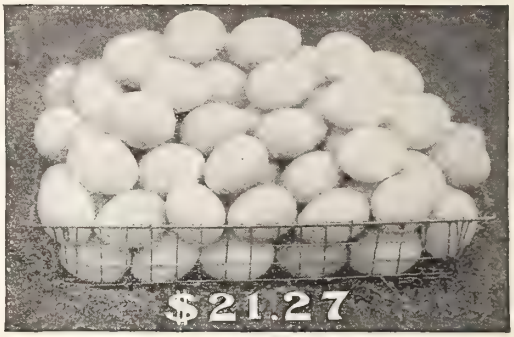


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Does This Look Good to You?

$3.00 Hen That Lays $21.27 in Eggs in One Year





This Is Why There Is Such An Increasing Demand for My Anconas

Sheppard's Famous Anconas

Made another great win at the late Madison Square Garden Show (Dec. 1913). In largest and strongest class ever shown in New York, we won eight first prizes, being eight times as many as my nearest competitor. In a class of 20 high grade cockerels, we won first, second and third. In Rose Comb class we won first cock, hen, cockerel, pullet and pen. Was awarded Gold special for best display. Have won first at the world's greatest shows, including London, Eng., Cleveland and Madison Square Garden. For seven consecutive years my birds have won three times as many first and second prizes at the nation's greatest shows as all my competitors together, (including the late shows) so have earned the distinction of being

THE WORLD'S BEST

They are famous egg machines and the greatest **winter layers,** with the wonderful egg record of **256 Average for a Flock.**

If you want to win at your show or increase your egg production, write for catalogue. Orders booked now for eggs and baby chicks. A fine lot of stock for sale.

H. CECIL SHEPPARD Pres. International Ancona Club **Box M2, BEREA, OHIO**

F. E. Harrison's Champion S. C. Rhode Island Reds

have for year demonstrated that they are the one strain that stands out ahead of all others.

At Chicago, 1913-1914, Royal Reds won in the largest class ever shown, forty-nine exhibitors showing a total of 270 birds, and in the largest class of Cockerels ever shown in America (106) as follows: 1st and 4th Cock; 2nd and 5th Hen; 1st and 5th Cockerel; 1st, 2nd, 3d and 4th Pullet; 1st and 3d Old Pen and 1st and 5th Young Pen; every color special; every shape special; every championship; elegant watch offered by the Association for the best display, and the Western Rhode Island Red Club of America Cup offered by the Club, both Rose and Single Combs competing.



Bred, Owned and Exhibited by F. E. Harrison

NOTE THIS: I am the only exhibitor that has won in all six classes in one showing. Twice have I accomplished this feat.

Twice have Royal Reds exhibited personally by me won 87 points on best display at the great Coliseum Show of Chicago. No other exhibitor has ever won this number of points before. Therefore, Royal Reds have the distinction of on two different occasions winning the greatest number of points ever given at Chicago.

More facts of this world's greatest show of Chicago are as follows: At Chicago I have won twice as many first prizes on Old Pens as all other exhibitors combined. Twice as many first prizes on young pens as any other competitor. Twice as many first prizes on cock birds as any competitor, and more points on cock birds at the last two shows than all other exhibitors combined.

I have won more places on Cockerels at Chicago the past four years than any other competitor, and hold the world's record for winning 1st Cockerel in the largest class ever shown in America.

VERY IMPORTANT: I have won more points on males (Cockerels and Cocks), on hens, pullets and pens, at the last two Chicago Shows than any other competitor. Therefore, Royal Reds outclass all others in winning the largest number on males, females and pens than any others.

NOTE THIS: I have won three times as many points on pullets at Chicago in the past two years than seventy-two competitors combined.

At Chicago, 1912-13, I won 1st, 3d and 4th Cock; 2nd and 3d Hen; 4th Cockerel; 1st, 2nd and 3d Pullet; 1st and 2nd Old Pen and 1st Young Pen.

To think of a world's record is to think of Royal Reds.

I have every first prize (eight in number) winning males from the last two Chicago Shows.

My egg offer is the best opportunity in all America to start in Single Comb Reds.

2,000 head of Cocks, Cockerels, Hens and Pullets, Trios and Pens for sale, rich in the blood of these Chicago winners.

Catalogue free, describing best pens ever put together.

F. E. Harrison

Box 30, Menominee, Michigan

Halbach's White Rocks

Never in the history of Poultry Exhibitions has any strain made such wonderful wins. They hold the world's record by capturing best **Display** at **Chicago** five times. At the

Great Mid-West Coliseum Show, Chicago, Ill.

America's Greatest Exhibition



Jnretouched
First Springfield Cock erel

in a class of 140 White Rocks—the best ever got together, they made the marvelous winning of

1-2-3-4 Cock (4 entered)
1-2-3-4 Cockerel (4 entered)
1-2-3-4 Hen (4 entered)
1-2-4 Pullet (4 entered)
1-2-3 Old Pen (3 entered)
1-2-3 Young Pen (3 entered)

45 out of 46 birds placed in winning. A grand total of 153 points out of a possible 157.

This is an astonishing win but not as astonishing as the undreamed of quality of the birds that made the winning. It was a revelation in perfection of type, pureness of plumage and was the wonderment of all.

Hundreds of show birds that will win, at $25.00 to $100.00 each. Breeding pens perfectly mated and from these winners, at $25.00 to $75.00. Get started with this quality. Utility females, $2.00 each. No matter what you want I have it. Send your order.

Place your order today for eggs from my unapproached matings, at $15.00 per setting. Utility eggs $10.00 per 100. Catalogue 10 cents. Mating list free. Mention American Poultry Journal.

H. W. HALBACH R. R. 1 WATERFORD, WIS.

Know Your Hens on Sight

Successful breeding depends upon knowing your fowls at sight. The

SPIR-O-LEG BANDS

TRADE MARK



Are made in six colors and give you 120 combinations. They are indestructable and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address. Retail prices—25c a dozen, 50c for 25, 85c for 50; $1.50 for 100. Pigeon and baby chick bands, 20c a dozen, 25 for 35c, 50 for 60c, 100 for $1.

P. S. RIGGS : WHITE PLAINS, NEW YORK

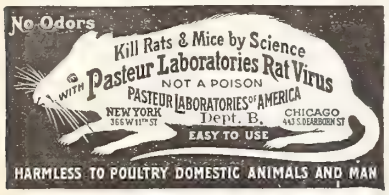


The "Signet" Aluminum Leg Band

Adjustable—Signifies Quality

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W. J. BALL, SALEM, OHIO



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"The world over"—Boston, New York, Baltimore, Toronto, all great shows. Golden and Silver Penciled and Spangled and Black Hamburgs, Seabright, Black and White Rose Comb and Jap Bantams. Eggs $5 per setting. Write your wants.

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R.C. MINORCAS

First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free

G. A. Clark : Seymour, Ind.



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No. 1 House as illustrated, 4 ft. high, 5 ft. wide, 4 ft. deep. Accomodates 12 hens. Solidly built of ⅞ in. No. 1 Yellow Pine Tongue and grooved flooring painted and best rubber roofing, rat-proof galvanized iron base. Wonderfully durable. Price complete with Dropping Board, Roosts and Nest, no floor. F. O. B. Cincinnati..... **$9.00**

Shipped in sections, easily bolted together. A splendid house for limited space. Write for cir. B2 describing our full line. Save money by buying direct from mfr

Seubert Bros. 2319 VINE ST. Cincinnati, Ohio.

World's Foremost White Wyandottes

have won the highest honors at New York, Boston and all the prominent shows in the United States and Canada, including the Alaska-Yukon Exposition. Send for circular and see who has been breeding the best winners for many years. All stock returned at my expense, if not satisfactory.

J. H. JACKSON, - Lock Box 88, - HUDSON, MASS.

NOW IS THE TIME

DON'T WAIT until they are all gone—place your order TODAY for

BABY CHICKS BRED FROM WINNERS

SINGLECOMB WHITE ORPINGTONS

MATING PENS NOW READY. EGGS $15.00 A SETTING for first winners and $10.00 a setting for all others. UTILITY PENS—SPECIALS, $25.00. Pullets, $5.00 to $15.00; Special prices on five or more.

A FEW HIGH CLASS PARTRIDGE PLYMOUTH ROCKS.

"STONESTREET," the Yard that Furnishes Prize-Winning Birds

PARK POULTRY YARDS

GLENDALE

MRS. REGINALD STONESTREET NASHVILLE, TENN.



Best Hen in Whole Show, Columbus, Georgia, 1912.



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It Will Save You Big Money

On Groceries, Clothing, Furniture, Shoes and Other Household Supplies.

Contains 150 pages of money-saving items. Write a postal for it today and see how you can get our *Guaranteed Groceries* at less than store prices. For instance: Laundry Soap at 2½c a bar—Baking Powder at 7½c a can—Toilet Soap (3 bar box) 12½c—Starch 5c a box—Tea 30c a pound. Everything at a big saving.

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CROFTS & REED CO., Dept A178 CHICAGO



No. 90175

This handsome Big Easy Rocker given with a $10.00 order of our GUARANTEED GROCERY PRODUCTS.

Massive hardwood frame, English or golden oak. Seat is 20 x 20 inches. Back and seat well upholstered in best quality imitation leather.



(194 **COUCH NO. 7012**—Golden oak frame, imitation leather covering, length 72 inches., width 28 inches. Given with orders for our Guaranteed Grocery Products.

NICHOLSON'S ROYAL BLUE ORPINGTONS

CHICAGO, NEW YORK and BOSTON

At these three 1914 classic shows my Blue Orpingtons have swept everything before them, and are **unequaled** by any other strain in England or America. Their color, quality and type have never even been dreamed of before. **My winnings** read more like a fairy story, and the buyers of Blue Orpington stock or eggs should, for their own future, study my winnings and then decide who has the best Orpingtons, not in America, but the World. I claim above title because my birds have earned it in **open competition** and have **defeated** the **World's Best Blue Orpingtons.**

MY WINNINGS ON ROYAL BLUE ORPINGTONS.

CHICAGO, 1913-14.
First Cock.
First Cockerel.
First Pullet.
First Hen.
Best Display.

MADISON SQ. GARDEN, N. Y. 1913-14.
First Hen.
Second and Fifth Cocks.
First and Fifth Pullets.
Second Cockerel.
Second and Third Pens.
Best Display.
109 in competition.

BOSTON, 1914.
First, Second, Third Cocks.
First and Second Cockerels.
First and Fifth Pullets.
Fourth and Sixth Hens.
Best Display.
52 in competition.



First Pullet, Chicago 1913

My record of **First Pullet** at **Chicago, New York** and **Boston,** with **three sister pullets** stands **alone** and perhaps will never again be equaled. Above records have been made at the Three Great Classic Shows of America, not second-rate Cattle Shows. I have won under three different judges—Delano, Byers and Greenwood. My pens will be headed by the most exhibiting lot of winning males that the Blue Orpington World has ever seen.

BARRED ROCKS.

My Barred Rocks again win at Boston, 1914. **In the Hottest Class** ever seen I won First, Second and Sixth Cocks. At the Crystal Palace Show, London, England, American Class, Nov. 18, 1913, I won First and Second Cocks; First and Second Cockerels; First, Second and Third Hens; Second Pullet and International Medal.

LETTERS I HAVE RECEIVED FROM MY CUSTOMERS

January, 1914.—Mr. Murphy of Essex, Iowa, wrote: "Barred Rock Cock bird out of your eggs won at four of the largest shows in the West, and at the Iowa State Show; my first Barred Rock was the best bird in the Show.

January, 1914.—Mr. John Enders of Berryville, Va., wrote: "Captured First and Second Cockerel, First Pullet, other breeders showing, at Baltimore, Md. I got Second Cockerel, First Pullet, three exhibitors, beaten on cockerel, but the party who beat me on cockerel bought eggs of you." Blue Orpingtons.

January, 1914.—Mr. C. P. Stafford of LaMoille, Ind., wrote: "Won at Minneapolis with your stock and strain." Barred Rocks.

BARRED ORPINGTONS, ORIGINATED BY ME.

At Boston, 1914, I won First Barred Orpington Cockerel and First Pullet.

Send for circulars to the breeder who is Exhibiting and **Winning** and **Proving** he is breeding the **Best Blues** in the **World.**

HALDIE NICHOLSON Box 4 Leominster, Massachusetts

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BE A WINNER! Get some of the Royal Bred

Tecktonius Strain S. C. AND R. C. Buff Leghorns

into your flock and secure a "running start" in the race for the most sought for honors in Exhibition Arenas, where recognition means fame and success as a breeder. Others are doing it, and so can **you.** For seven years "a running" the **"Tecktonius Strain"** has—for its proprietor and hundreds of his customers—grabbed off the leading Buff Leghorn Prizes at Madison Square, Philadelphia, Baltimore, Boston, Chicago and other big shows whose prize favors mean everything in the Poultry World.

The World's Champion Utility Fowl

This magnificent **strain** of Buff Leghorns has proven itself—against all comers and under all competing conditions—to be the World's Champion Utility Fowl—the surest and biggest money-maker in the poultry field today.

Some Unrivaled "Tecktonius Strain" Bargains

S. C. Matings—Pens 1 to 6 inc., one 15-egg setting, $10; two, $18; three, $25. **Random Selection**—If selected from one pen in which price rules, $5 per setting extra. Pens 7 to 10 inc., one setting, $5; two, $9; four, $15. Pens 11 to 14 inc., $2 per setting, $10 for 100. **R. C. Matings**—Pens 15 and 16, one setting, $15; two, $25. **S. C. Utility Stock**—Hens, $2; Cockerels, $3 and $5; Trios and Pens, $10 and $15. **Exhibition Breeding Stock** Hens, $5; Cockerels, $15 and $25; Trios and Pens, $25 to $50. **No Chicks of Either Variety For Sale.** Send for handsomely illustrated Catalog and Mating List, showing you how to put your birds in the "Tecktonius" Class.

Reproduces Its Winning Qualities

"Tecktonius Strain" Buff Leghorns have all the prized show room points—color, contour, poise, etc.—as well as the big "Market" earning qualities—being small eaters, early layers and tremendous egg producers. **"Tecktonius Strain"** Buff Leghorns are vigorous, healthy, beautiful birds, and reproduce their marvelous "prize winning" and "laying" qualities with amazing accuracy and uniformity.

If you desire to get into the limelight as a fancy breeder—if you want to dominate in the market place—get into the game with the **"Tecktonius Strain"** the superb prize winning and heavy laying strain—and you will get both fame and money.

TECKTONIUS & REED BUFF LEGHORN FARM Route 7 RACINE, WIS.



THE TALK OF THE SHOW

RUDY'S PERFECTION WHITE WYANDOTTES

A display of 40 male birds and 20 females of uniform type and color attracted all visitors at the Chicago Coliseum show. Conservative breeding is what did it. Note the standard type of the cockerel shown here. Rudy has many like him to sell. They conform closely to the New Standard.

PENS NOW MATED

Send for mating list. Low prices on special matings will astonish you. Don't delay your request. Also get handsome illustrated catalogue telling all about Rudy's Perfection White Wyandottes how he raises them where he raises them and how he sells them. Address

GEO. H. RUDY - Route 15 - MATTOON, ILL.



Safety at the Heater

The drafts of the coal burning heater are automatically regulated from the temperature of the water, assuring a steady, even supply of hot water.

Safety in each Egg Chamber

Each 300-egg compartment has its own automatic regulator, governed by the air temperature in the egg chamber and controlling the flow of water into the compartment radiator.

A Candee 1200-egg size is shown. It has five automatic safeguards against overheating—one on the heater and one on each 300-egg compartment.

They are true safeguards because each compartment regulator only admits just the amount of heat needed and shuts out the surplus.

Any extra heat circulates harmlessly in the asbestos covered supply pipes under the sections.

Does Not Depend Upon the Operator

One adjustment of a compartment regulator does for a hatch. If the cellar gets cooler, the compartment regulator allows more hot water to flow in. If it gets warmer, less hot water is admitted from the supply.

Room and weather changes are automatically taken care of, night and day, without any attention from the operator. He is free to go about his regular work.

Nothing Complicated

The Candee principle is simplicity itself. The water supply temperature at the heater is automatically regulated—not by adding or drawing off any exact amount of water.

The compartment regulator is adjusted by turning a thumbscrew—the same as on small lamp machines.

The trays are not raised or lowered by hand. There are no auxiliary attachments, no alarms. It is an incubator that an inexperienced person can set up and operate successfully.

There is nothing experimental or theoretical. Every size is a proved success in the hands of customers.

This is the Year to Get Started

Begin with a 1200-egg Candee and add extra sections later.

Besides doing your own hatching, fill any spare space with your neighbors' eggs and earn cash from your Custom Hatching. Every section needs at least one such hatchery. You can also make a handsome profit by selling Candee hatched Baby Chicks.

You can set up your 1200 in a day, without expert help, and it can earn money from the start.

How to Make Money

Our catalogue tells of the successes scored by our customers in the different lines of poultry—the great duck ranches and the large and small poultry plants, country estates, etc.—what is actually done.

It is a 108-page catalogue with hundreds of pictures of plants from Florida to Maine, the Atlantic to the Pacific, and throughout Canada. It is free upon request. Better write to-day.

Candee Incubator & Brooder Co.
Dept. 2 Eastwood, N. Y.

Our Incubators are fully protected by U. S. Letter Patent and all infringements thereof will be prosecuted



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

MORE THAN SIXTY REGULAR PRIZES

INCLUDING THE HIGHEST HONORS

Were Placed on Owen Farms Birds

In my own hands and in the hands of my customers at the LARGEST SHOWS ever held at N. Y. and BOSTON.

An OWEN FARM Bird won First, Second or Third in nearly every one of the twenty-five classes in which I competed,

And this victory was made in the BEST CLASSES that were ever assembled. Every visitor at New York and Boston this year freely stated that they were the best exhibits ever put together.

At Boston I showed only White Orpingtons. The **White Orpington Record** again reads **Six** of the possible **Ten Firsts** at **New York** and **Boston** placed on Birds Bred and Raised on **Owen Farms.**

OWEN FARMS

BUFF ORPINGTONS
WHITE ORPINGTONS
WHITE PLYMOUTH ROCKS
WHITE WYANDOTTES and
S. C. RHODE ISLAND REDS

Have demonstrated their merit in the **Hottest Competition** and met and defeated all comers. **Thousands of first prizes** have been **won** at the most **important shows** in the **United States** and **Canada** by birds sold by us or hatched from eggs laid by our **unequaled matings.**

You may win without these bloodlines, but you will find it practically impossible if your competitor meets you with Owen Farms Birds.

AS UTILITY BIRDS

These flocks each year have demonstrated their exceptional merit. Wonderful reports of high average egg yields come in from customers. One customer has reported 262 eggs laid in 290 consecutive days by a pullet bought of us, and many other reports are almost as good.

My flocks have perfect health, size, bone, substance and bodies with tremendous egg capacity. **Treat them well and they will do the rest.**

1914 MATINGS

Of all varieties are the best ever made on Owen Farms. My customers for **eggs for hatching** or **baby chicks** will receive remarkable value this year, as eggs and baby chicks have never been sold from birds of equal quality at prices approaching these I am making for 1914. Many orders are already booked and **early booking insures delivery at exact time you want them.**

Eggs from Best Matings in the World
All Varieties.
$10.00 for 15. $30.00 for 50.
$50.00 for 100.

Baby Chicks from these Matings
$1.50 each in lots of 20 or more at one time.

Eggs from Choice Matings
Better than most sold at higher prices.
All Varieties.
$5.00 for 15. $15.00 for 50.
$25.00 for 100.

Baby Chicks from these Matings
50c each in lots of 20 or more at one time.

Send for my new **Illustrated Catalogue** and **Mating List** and book your order now. Superb Show Birds to win the February Shows and Grand Breeding Birds mated to produce show or utility stock at absolutely fair prices. State your exact requirements, and if possible what you wish to invest, and receive my prompt quotation.

I want your order, and **Remember,** your **Absolute, Ultimate Satisfaction** means my **Permanent Success.**

MAURICE F. DELANO

107 William Street, Vineyard Haven, Mass.

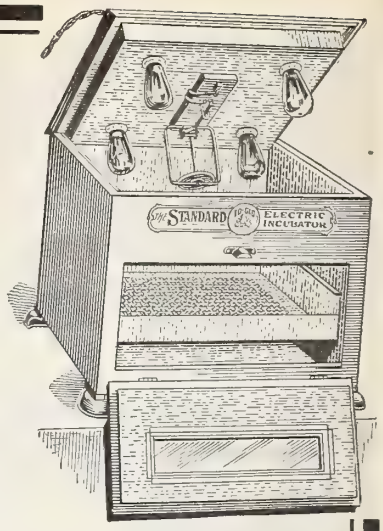
MAURICE F. DELANO, Proprietor **FRANK H. DAVEY, Superintendent**

HATCH BY ELECTRICITY

The Modern Way

Bigger Hatches — No Dirt — No Trouble
Stronger Chicks — No Smelly Lamps — or Worry

The "Lo-Glo" Electric Incubator



HAS COMPLETELY REVOLUTIONIZED HATCHING

ALL METAL — FIRE PROOF — INDESTRUCTIBLE

Electricity is the cleanest, most convenient, easiest and quickest to operate, and most economical power, light and heat, and for these reasons has been adopted in modern, up-to-date manufacturing plants. Electricity is the most scientific and exact method of hatching chicks, and in the **"LO-GLO" ELECTRIC INCUBATOR** is combined

Perfect Automatic Control of

HEAT - VENTILATION - MOISTURE

There is no guesswork, no watching, no worry, no lamps to trim and fill, and keep track of for fear they will run up and cook the eggs, or go out and chill the germs. Simply turn on the light switch, set the thermostat at 103 degrees, put in your eggs, and hatch the largest percentage of strongest chicks. The electricity automatically shuts off and comes on again to save expense.

Hatch in the Parlor, Dining Room, Kitchen, Bedroom

or anywhere an electric wire can be connected. There is positively no odor and **no interference with your fire insurance.** The **"LO-GLO"** is all metal—heavily galvanized iron inside and sheet steel outside, with asbestos interlining; enameled dark maroon. **Has legs or not, as you wish.**

COSTS NO MORE THAN OTHER STANDARD MACHINES

THE "LO-GLO" ELECTRIC HOVER

can be set anywhere you can carry an electric wire; **can't burn chicks; can't overheat; can't chill.** Always the right heat. **No smell** of kerosene to weaken the chicks; **no danger of fire; no lamps;** no trouble; economical. You can add as many as you like, to hover **40 chicks or 40,000.** It's a great point that the **"LO-GLO"** does not affect your insurance. **For indoors or out.** Our Free Booklet tells all about them.

Every Breeder

Should know all about hatching with electricity, with a **"Lo-Glo" Electric Incubator,** it's so far ahead of every other method in every way, so accurate, so dependable for high percentage hatching, and so little trouble.

Thousands Who Never Hatched Before Can Use the "LO-GLO"

Because it's so easily run; can be set anywhere in the house, and practically runs and manages itself. You can't make a serious mistake with it.

All You Need Is Connection With An Electric Wire

Every machine is shipped fully equipped, even with light bulbs, and all you have to do is screw in the connection from your own electric light or wire.

WRITE TODAY FOR OUR **FREE BOOK**

It's new, illustrated, gives full particulars and description of the "LO-GLO" INCUBATORS, Hovers and Hover Runs. Also prices, and letters from those who have used them. You will have greater success with a "LO-GLO." You need one. Now's the time to find out all about it. Write today.

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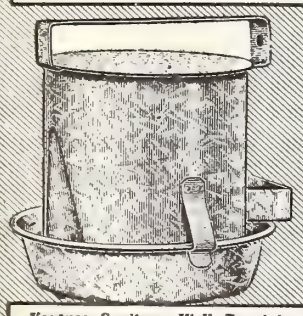
Keep Your Birds Healthy— Save Money on Feed



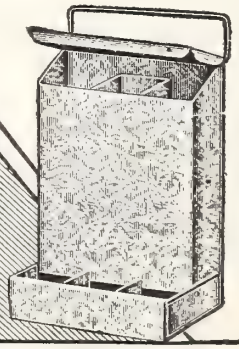
There are two big profit making features for you in Kentuco Poultry Ware. One is that you have the best possible protection for keeping poultry feed and water pure—the other is that the birds cannot waste their feed. It is the truest economy to equip your entire poultry yard with

KENTUCO Poultry Ware

Kentuco Two Piece Fountain
Cone top prevents birds from perching on it and polluting water in the pan.



Kentuco Sanitary Wall Fountain
Birds can not pollute water, yet always have a plentiful supply. Reservoir can be taken off and cleaned.



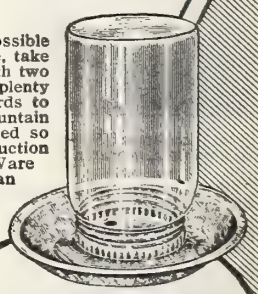
Kentuco Grit Box or Food Hopper
Birds can not waste food or pollute it.

The water fountains are galvanized after they are made. There's no possible chance for rust. Every piece is easy to clean and keep clean. For instance, take the **Kentuco Sanitary Wall Fountain** illustrated here. It's made with two pieces. You can get into the reservoir with a brush to clean it. There's plenty of room all around the pan for many birds to drink at the same time. No other wall fountain is built like this. No other can be cleaned so easily. Equally valuable points of construction can be found in every piece of Kentuco Ware —yet Kentuco Ware does not cost more than the less worthy stuff now on the market.

Write at Once

for the big folder telling the money making facts about Kentuco Ware. Ask your dealer about Kentuco Poultry Ware. Insist upon having it. In writing, please mention your county as well as your city and state. Address

Kentucky Stamping Co.
104 N. 15th St.
Louisville, Kentucky



FREE

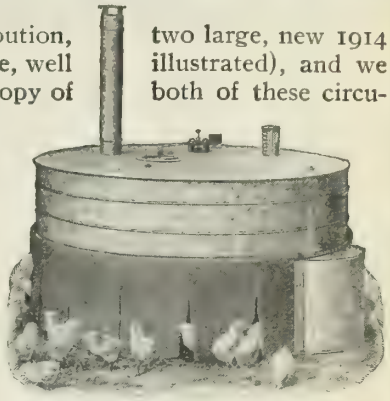
Kentuco Jar Fountain

The handiest fountain anyone could imagine. Screw the base on to any Mason jar. This base is made so it doesn't splash water when inverting it as others do.

To let you know more about Kentuco construction we will send you the base free if you will enclose 10c, stamps, to cover postage and packing.

"WHEN, WHERE AND HOW" TO BROOD YOUR CHICKS

FREE 1914 CIRCULARS: We have just published, for free distribution, two large, new 1914 illustrated circulars (each consisting of four pages, 11 by 18 inches in size, well illustrated), and we ask you, Reader, to write today—NOW, before you forget it—for a copy of both of these circulars. They will be mailed ***promptly on request*** to any address, postpaid.

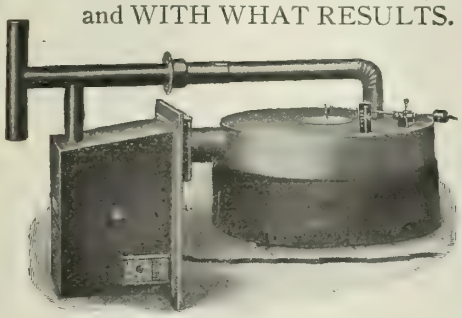


Cyphers Portable Hover

Set it down Anywhere Indoors and you will have a Safe and Comfortable Place for the Little Chicks. "Movable" at a Moment's Notice without even turning down the Lamp Flame. No steps or Inclines that Chicks Must run up and down. Weighs 35 Pounds in use. Price, Complete, Safely Boxed, $8.50 free on cars at all our Places of Business, except Oakland and London. Oakland F. O. B. price, $9.50. Entirely Safe to order a sample from this advertisement.

THEY TELL WHEN, WHERE AND HOW:

In each circular numerous ***actual users*** of Cyphers Portable and Cyphers Adaptable Hovers tell ***in their own words*** "When, Where and How" they used these low-cost, standard devices in brooding hundreds, in fact thousands of chicks, in ***small lots*** and in ***large lots***—and WITH WHAT RESULTS. To these more or less detailed reports from "actual users" we have added ***timely suggestions and advice,*** making, all told, two of the most helpful pieces of free printed matter ever published by this company. Here are short EXTRACTS from a few of the sample reports:



Cyphers Adaptable Hover

Fire-proof, Wind-proof, Insurable, Self-regulating and Automatic in Ventilation. Best Device in World's Markets for Use in Home-made Brooder Cases, Colony Coops, Roosting Coops and Portable Houses. All Metal and will last Many Years. Price, Complete, Safely Boxed for Shipment, $8.50 free on board cars at all our Places of Business, except Oakland and London. Oakland F. O. B. Price, $9.50.

Burlington, Ill., July 21, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I use Cyphers Adaptable Hovers in colony houses aud home-made brooder cases. I put about 50 chicks in each Hover and have raised a larger percentage to maturity than with hens. There are no lice to fight, no hens to pick and trample the chicks or lead them through wet grass and eat their food. The Adaptable Hover supplies an abundance of heat and fresh air at all times, is easy to attend to, is reliable and will last a lifetime if cared for properly. I do not hesitate to put my choicest S. C. Black Minorca chicks in the Adaptable. I wish every poultry raiser would buy one of these Hovers install it in a suitable place and try it out according to directions, before buying those tin-can, made-to-sell cheap brooders. They certainly would have more and better chicks in the fall,

B. F. ELLITHORPE.

Methuen, Mass., May 20, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I bought one of your Self-regulating Portable Hovers to test its usefulness and I am very proud of it. It will please you to learn that I have now tested this Portable Hover during four weeks and I have not lost a single chick—not one. It does all you claim for it. Have never before found or heard of so easy a way to take care of little chicks. They are safer than with hens and much easier to look after. Have found your free printed matter of great help to me.

MRS. JOS. SEVIGNEY

Mt. Kisco, N. Y., July 15, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

The Cyphers Portable Brooding Hover is all that you claim for it. I am very well satisfied with mine and several friends who also purchased these Hovers are just as well pleased. This season I hatched 400 chicks and kept each hatch about four weeks in the Portable Hover, after which they were transferred to colony houses. Have not lost a chick this season on account of any reason that could be ascribed to the Hover, while in other years my losses have run fully forty per cent. on account of poor brooding facilities. Had as high as 104 chicks under my Portable Hover at one time and they did not appear to be over-crowded. It is very roomy and burns less oil than any other brooder I ever used. Next spring I intend to use Portable Hovers exclusively.

S. W. BELLMER.

Beech Creek, Pa., June 23, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

It affords me much pleasure to give you our experience with the Cyphers Portable Hover, which we purchased last spring. We placed 186 chicks in this Hover and raised every single one. After the chicks were far enough along to take care of themselves we placed 20 Indian Runner Ducklings in this Hover to see how it would work and raised 19 of the finest ducks we ever had on the farm. The one duck that died was a weakling.

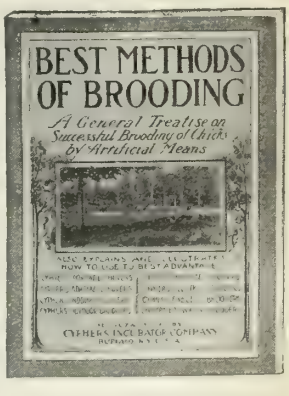
H. C. BERRY

Lebanon, Kansas, January 23, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I find that your Self-regulating and Self-ventilating Adaptable Hover is a wonder when it comes to raising chicks in cold weather. Recently the thermometer here has registered as low as 22 degrees below zero, but the chicks are healthy and happy in the colony house in which we installed this Hover. Poultrymen who have seen this Adaptable Hover working have marvelled at its simplicity. I am sure that if all poultry raisers knew how easy it is to rear early chicks by this method they would obtain these Hovers and there would be a wonderful increase in their volume of business. I feed in the litter each morning, scraping it under well and that answers for all day. The youngsters put in their time alternating between scratching for the grains and getting under your simple, liceless, miteless foster mother whenever they need warmth.

W. H. WRIGHT.



Worth Five Dollars

But will be mailed FREE to any address simply for the asking. 52 pages, 7½x10 inches and fully illustrated.

AT THE SAME TIME that you send for copies of the two large ***free circulars,*** above described, ALSO ask for a copy of our 52-page (7½x10-inch) free booklet, entitled "Best Methods of Brooding," ***provided*** you have not already received a copy. It goes into the subject fully—***telling you in detail*** what to do step by step and ***day by day*** in the proper care of chicks and ducklings. It is FREE, postage paid, and should be worth a great deal to you in your poultry work. Address nearest office of

Cyphers Incubator Company, Dept. 721 Factory and Home Offices, Buffalo, N. Y.

BRANCH STORES AND WAREHOUSES: NEW YORK, N. Y., 41 Barclay St. | BOSTON, MASS., 12-14 Canal St. | CHICAGO, ILL., 329-331 Plymouth Court | KANSAS CITY, MO. 317-319 Southwest Boulevard | OAKLAND, CAL., 2127 Broadway | LONDON, ENGLAND 121-123 Finsbury Pavement

Local Agents Wanted. No Capital Required. Write to Nearest Branch House.

Flanders Strain S. C. White Leghorns

VICTORIOUS AT CHICAGO

Just Look at These Winnings:

1st, 3rd, 4th and 5th Cock.
1st, 3rd and 4th Cockerel.
1st and 3rd Hen.
1st Old Pen.
1st Young Pen.
Special for Best Shaped Male.
Special for Best Colored Male.
$50 Silver Cup for Best Display running four times as many points as nearest competitor.
$10 Gold Special for Best Display.
Swiss Gold Watch for Best Exhibit.
And Sweepstakes.

Guess that's going some.

It has taken eight years to make that sensational cleaning at America's greatest show—and against what judges declared was the best class of S. C. White Leghorns ever exhibited this side of the Atlantic.

Eight Years Ago Robert Parmenter, then a student at Knox College, started with a carefully selected trio consisting of a cock and two pullets.

He Had Very Definite Ideas as to what constituted an ideal White Leghorn. He selected his foundation stock and then bred consistently toward his goal.

Parmenter Never Fooled Himself — he never came to a show with a second rate bird hoping to win just because it was his bird. He did the eliminating before he left home. We have today 500 birds that would almost win at Chicago—that would sweep everything before them at most shows. But Parmenter didn't take them to Chicago.

He Began to Win in 1908, and has been one of the most consistent winners every year since. Not a cleaning like this year—but one year he had first hen; another, first cock; again, first pen and cockerel, etc., and from these he has kept on breeding toward his goal.

And This Year showed the culmination—the splendid reward for his years of effort.

About a Year Ago Parmenter formed a connection with Walter E. Flanders, whose farm and herd of thoroughbred Holstein cattle are famous. This gave him a plant built to his heart's desire and range—250 acres of range. The best equipped and one of the largest plants in the world.

Because of The Fame of the Flanders farm **and to avoid confusion the name of the** strain was changed to "Flanders."

Now You Know the history of this strain, that, by the winnings at Chicago has, in effect, been proclaimed the leading strain of S. C. White Leghorns in America.

You Can Start where Parmenter left off—you can start with a bird bred from, or that is akin to those perfect ones that won so many honors—that showed such splendid consistency at Chicago.

The Cuts of Our Winners are not complete. Our special announcement and photographs will appear in March issue.

Hold Up Your Orders till you see our mating list and prices.

Meantime, if you want birds guaranteed to win in any company, write

Please Mention American Poultry Journal when Writing

FLANDERS LEGHORN FARM

Robert Parmenter, Mgr. **Orchard Lake, Mich.**

Buy Your Incubator of Chas. A. Cyphers

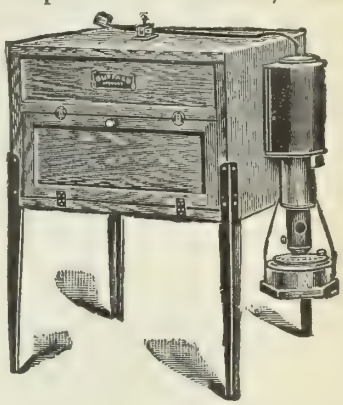


The Original and the Only "Cyphers" in the Incubator Business

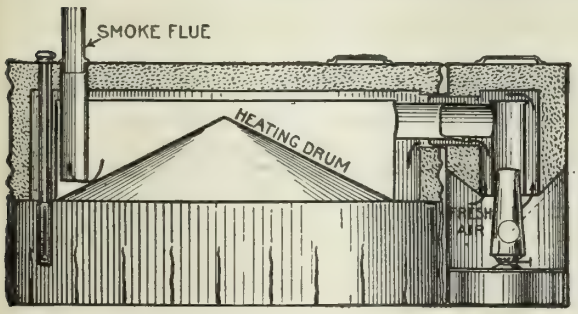
The Cyphers who is "The Recognized Authority on Artificial Hatching"—The Cyphers who made Commercial Hatching possible—The Cyphers who discovered the Cyphers Principle—The Cyphers whose Incubators Circle the world—The Cyphers who will sell you his latest creation, the "Buffalo" at

HALF THE STANDARD PRICE

Every vital Principle that made my original Cyphers a world success is embodied in the "Buffalo". The same three-compartment heater; the diffusive ventilation; and sensitive and accurate regulation; combined with heavy insulation and durable construction. For Durability, Reliability and quality, the "Buffalo" is a wonder. "Buffalo" incubators insure you big hatches of strong chicks that live and are easily raised to make money for you. 80% of the output of "Buffalo" Incubators are sold to poultry raisers who must make a success of their work to live. 80% go to men who know; who have used my incubators in the past; who would use no others. **You can't make a better selection.**



THE BUFFALO HANDY HOVERS



Buffalo Handy Hover, 100 Chick Capacity

The Buffalo Handy Hovers are just what their name implies.

The Buffalo **"Handy"** is a floor level hover. You can set it any old place.

Sanitary—All galvanized Iron.

Heats Easily—Walls are heavily packed with good insulating material.

Uses But Little Oil—Flame burns with a white light, which indicates complete combustion.

Hottest at Outer Circle—Heat is brought lowest at that point.

Perfectly Ventilated—Heater is double with fresh air flue.

Handy—Just pick it up and set it aside to clean the floor:

Lamp flame can be seen without stooping. Lamp compartment or heater is attached to hover with "rolled-edge slip-joint," and is quickly detached for tending lamp.

Has all the good points of others, with thick walls and complete combustion added. Others are thinly insulated and are hard to heat. Other lamps burn a yellow flame, and waste oil. The Buffalo Handy Hover will heat 10 degrees hotter with same oil consumption; and in a room too cold to use any other hover.

Send Postal for fuller description.

CHAS. A. CYPHERS

President Buffalo Incubator Company

465 DEWITT STREET -:- -:- BUFFALO, NEW YORK

Moore's S. C. White Leghorns

Win at Greater Buffalo Show, Thanksgiving Week, 1913, Buffalo, N. Y., Cocks 1, 5; Hens 2, 3, 4; **Cockerels** 1, 4; Pullets 2, 5; Pens 1, 2; **$25 Special** for best **Display** and numerous other gold specials. **Eggs, Stock** and **Day-Old Chicks** for sale. Send for mating list. When writing mention American Poultry Journal.

MOORE BROS., **Moscow, Livingston Co., New York**

Harold Tompkins' Rhode Island Reds BOTH COMBS

Leading winners at the Annual Red Club Meeting at New Haven, Conn. this season. Also winners at Madison Square and Boston Shows, 1913-1914.

When you want the best breeding blood in stock or eggs write always to

HAROLD TOMPKINS **CONCORD, MASS.**

WHITE ROCKS and WHITE WYANDOTTES

At the annual show and meeting of the National White Wyandotte Club, held at Cedar Rapids, Iowa, Jan. 12-17, in a class of 300 of the best White Wyandottes ever shown, we won 1st, 4th, 5th and 6th Cockerel, 3d and 4th Pen, 7th and 8th Cock, 4th and 5th Hen, 4th and 6th Pullet, second display cup 4 best Cockerels, cup best White Wyandotte in show, gold medal best Cockerel in show, medal best Cockerel in American classes. We also entered one pen White Rocks and won first. A few choice breeding birds for sale. Will sell eggs from best matings. Write for mating list.

ROCKANDOTTE FARM **Route 3** **JANESVILLE, WISCONSIN**

BLUE ORPINGTONS :: SILVER CAMPINES

At the Crystal Palace Show, London, England, November, 1913

I won on Blue Orpingtons, 3rd cock; 2nd and 3rd cockerel, and 2nd pullet. On Silver Campines, 3rd cockerel and 4th pullet.

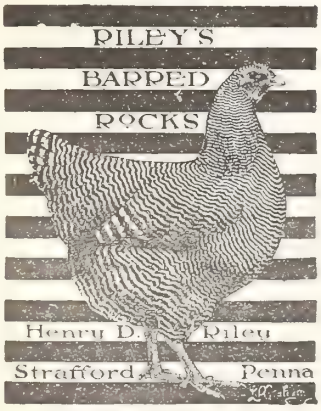
At the Great Dairy Show, London, England, Held on October 21, 1913

I won on Blue Orpingtons first in a class of 34 entries, the biggest class ever known in this variety. Also 3rd and 5th. After my previous wins at Madison Square Garden, New York, and the Crystal Palace, London, in this variety, it's positive proof of the excellence of my strain. Remember, I am the originator of the Blue Orpingtons of today. It's easy to buy winners, but a different thing to breed them, unless you have the stock and the knowledge. I have got them ready right here for you and birds that will reproduce their like. I have birds now for sale that will win in the keenest competition in the world. Having attended personally the Madison Square Garden Show, New York, in 1911 and 1912, I know the exact American Requirements. Write me, stating your needs. I will answer by return mail and guarantee you every satisfaction. I can ship immediately on getting your order and guarantee live delivery in New York.

MAX DE BATHE, HARTLEY COURT, READING, ENGLAND

Vice President English Poultry Club. Member Advisory Committee Live Stock Department, Panama-Pacific Exposition, 1915

The Riley Trade Mark of Perfection.



Whenever you see the "Bars," think of Riley's Rocks, Barred of course.

RILEY'S BARRED PLYMOUTH ROCKS

At the Great Boston Show

Where the entry was the largest, the quality the finest and the competition the greatest, my wonderful birds made the following remarkable winning.

1st, 3rd, 5th & 6th	Cockerel	Also 25 Special Prizes, including the best display for Exhibition birds and the best display to include Cockerel and Pullet Bred birds, the $100.00 Champion Challenge Cup for the best male,
1st, 4th & 5th	Hen	
1st & 3rd	Exhibition Pen	
3rd & 4th	Cock	
4th	Pullet	

special for the State Champion Cockerel, special for the best colored and best shaped male and for best shaped female, special for best headed female, special for three best Cockerels and three best Pullets and many others. These winnings tell the tale of the wonderful quality of my birds and show their ability to win in the largest and best shows in the country.

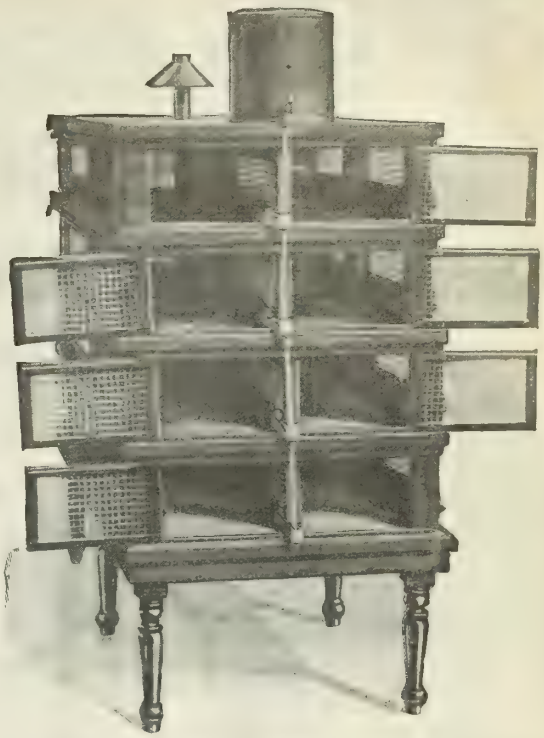
MY BREEDING YARDS FOR 1914

Will be the most wonderful that I have ever mated up on my farm, and as has been my policy in the past, will contain every winning bird that I have on my place, and the eggs from these birds will be offered to my customers.

Positively no birds are reserved for my own use. In buying eggs from me you get the very best that I have and "Riley is the man that is known as the one that can and will sell you eggs that will produce winners." Hundreds of my customers have been successful this season with show birds hatched from my eggs. My illustrated mating list will be ready to send out about Feb. 15th and every Barred Rock breeder who wants the best there is should have one. I have some remarkably fine breeding birds in cockerels and pullets, both matings for sale.

Henry D. Riley **Box B** **Strafford, Chester Co., Pa.**

LET OUR CUSTOMERS TELL THE WHOLE STORY



End View of Cyphers Company's Complete Four-Section, Eight-compartment Paradise Brooder, ready to receive chicks. Capacity, 400 to 600 Chicks in Eight Separate Lots of 50 to 75 each. Base Section (Two Compartments) Can be Bought and Used Separately. Later One or More Uppers Can be Added. Heated at all Times by one Blue-Flame Safety Oil Stove.

WHEN, Where and How to use the Cyphers Company, two, four, six or eight-compartment PARADISE BROODERS is told in the following ***recent sample reports*** from customers—also the ***results obtained*** by their use:

AS A "TENDER" FOR DAY-OLD CHICKS

Centerville, Pa., July 18, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

The one-section, two-compartment Paradise Brooder I bought of you this past spring has given me **practically perfect satisfaction.** I have run through it about seven hundred chicks **with scarcely any loss.** I find this Brooder especially valuable—in fact, the finest thing I know of as a "tender" for day-old chicks. With its handiness in feeding and cleaning it makes **the ideal indoor Brooder** for a person with limited space. I do not know of any other brooder that can be cared for with **one-half the ease** nor one in which **the chicks are so safe,** night and day.

RAY T. MAYNARD.

"IN THE COLDEST WEATHER LAST SPRING"

E. Chester, Neb., July 20, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

Last spring I purchased a Paradise Brooder of you and it was **even better than I expected.** It is a model as a chick and labor-saving device. It is **convenient and sanitary** and has many good features not found in the old-style brooders. You need not crawl around on your knees to clean it out or to feed the chicks, but you have them up before you **where you can see every one** and there are no dark corners for them to hide in. I ran my Paradise Brooder in a room 8 x 12 feet in the **coldest weather last spring** and had no trouble in keeping the heat up. Chicks of different ages can be brooded successfully at one time in the several compartments and I have kept them in this Brooder until they required no artificial heat.

JOHN G. KUHLMAN.

"CUT THE AMOUNT OF LABOR IN HALF"

La Grange, Ill., February 26, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

Last year I purchased one of your Paradise Brooders mainly because it "looked good to me"—my judgment being **based on ten years experience** as a commercial poultryman. To say that it has "made good" is stating it mildly, for it not only **cut the amount of labor in half,** but it was the means of enabling me to save more chicks than I ever have been able to do with the Brooders formerly used. I ran my early chicks for three weeks in the Paradise, **with the loss of only four chicks.** With the Paradise, complete, in four sections (eight compartments) I can care for four hundred chicks with the same amount of labor it requires to care for one Colony Brooder, holding fifty chicks.

GEO. M. GEAR.

"KEPT IT FULL TO OVER-FLOWING"

Canaseraga, N. Y., March 3, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I can say that your Paradise Brooder is the **most complete labor-saving device** for poultry raisers that I have ever seen. And it saves the chicks, too! I certainly gave mine **some unfair tests.** I had as many as a hundred chicks in one compartment three or four times and I kept them there until they were at least a month old. I tried to get them out in outdoor brooders at three weeks of age, but on account of bad weather kept some in the Paradise **for six weeks, and longer.** I cannot tell you how many chicks my Paradise Brooder brooded during the season, I kept it full to over-flowing until well into July and **raised a larger per cent. than I ever did before.** Paid no attention to ages in the different compartments, but always put those of the same age together. I used it in one of my laying pens 12 x 27 feet.

(MISS) MARY E. LAMONT.

"PRACTICALLY ELIMINATED FORMER LOSSES"

Hope, Ind., February 24, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

After enjoying the benefits of your Paradise Brooders for two seasons I would not want to operate a large poultry plant, or even a small one, for that matter, **without the help of this valuable Brooder.** We place our chicks direct from the incubators into our Paradise Brooders and keep them there ten days, then they are moved into the brooding house proper. For this short time we find we can accommodate **from seventy-five to one hundred chicks in each compartment.** The death loss is very light indeed. By using this Brooder as a "chick nursery", as herein described, we have practically eliminated former losses in chicks up to ten days old.

U. R. FISHEL.

LARGE FREE CIRCULAR: The reports given above are ***merely extracts*** from longer and ***more complete*** reports sent to us by these customers and by many others. The reports IN FULL are published in a large four-page, 11 by 18-inch illustrated circular (1914 edition), entitled "When, Where and How to Use Paradise Brooders," a free copy of which will be mailed by us, postage paid, to any address, domestic or foreign, ON REQUEST. In the large, four-page circular our customers ***tell in their own words*** how they operate these incomparable indoor brooders and ***with what results.*** Please write today for your free copy, addressing our place of business nearest you.

Cyphers Incubator Company, Dept. 705 Factory and Home Offices, Buffalo, N. Y.

BRANCH STORES AND WAREHOUSES: NEW YORK, N. Y. 41 Barclay St. | BOSTON, MASS. 12-14 Canal St. | CHICAGO, ILL. 329-331 Plymouth Court | KANSAS CITY, MO. 317-319 Southwest Boulevard | OAKLAND, CAL. 2127 Broadway | LONDON, ENGLAND 121-123 Finsbury Pavement

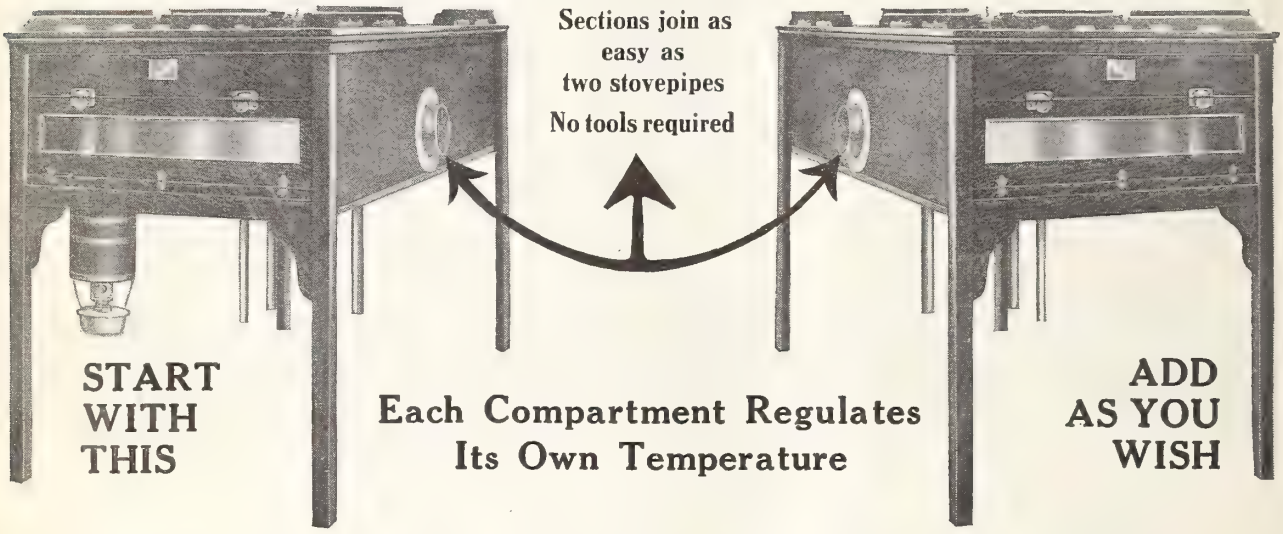
Local Agents Wanted. No Capital Required. Write to Nearest Branch House.

GROW AS YOU GROW

THE SCHWALGE

Sectional Hot Air Mammoth Incubator

has solved the puzzle

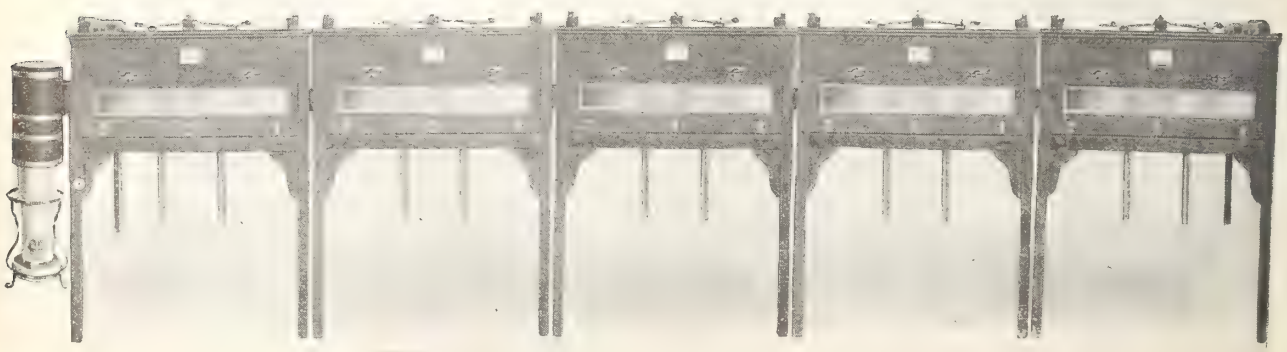


SCHWALGE'S HOT AIR MAMMOTH INCUBATOR is the only sectional machine on the market. This sectional feature permits you to start small and increase as your business requires—it will grow as you grow, and these additional sections can be easily added without disturbing the hatch. You simply join the pipes which extend from the end of each section—no tools required. Each machine is operated independently and the temperature is under independent control. No coal to shovel or ashes to handle.

This machine has been thoroughly tested and tried in the experimental stage and one of them hatched over 5,000 duck eggs last season.

FOR FURTHER PARTICULARS SEND FOR CATALOG "A"

SCHWALGE BROS. & SMITH, ELMHURST, ILL.



S. C. BUFF ORPINGTONS

During my nine years as a special breeder never did I have as fine a flock of nearly 1000 early hatched stock as now for sale from my special yards winning at **Indianapolis, Springfield, Louisville, etc.** Prize winners, color, shape and SWEEPSTAKES, 1912 and 1913. My youngsters had the free range of 120 acres for proper health, size and vigor, winter quarters now 20,000 sq. ft. Have furnished winners in every state in the U. S, and a large part of Canada. **100 tested breeders for sale, pens $7 and up. All stock sent to please or return and money refunded.**

J. S. FRAZIER **BOX B** **ADVANCE, INDIANA**

Don't Wait Another Day

Start a Reliance Working for You This Week

By special arrangement with the publishers of

American Poultry Journal

we are granted permission to print our Order Blank in this advertisement so that everybody can get one of our famous Incubators, Brooders, Sprouters without a day's delay or unnecessary correspondence. For instance, send us

$5.75 enclosed with order and we ship you immediately our 150-egg **Reliance** Incubator, backed by our Special Guarantee. No waits, no trouble or letter writing.



Guaranteed
To Hatch as Many Chicks as any $15 or $20 Machine

Fully Equipped
No Extras to Buy

1914 Reliance Incubator

Nothing like this has ever been offered before. We are the first manufacturers to print an order blank in a publication and bind ourselves, in the order, to make good our claims or refund money as per our guarantee. Read our Four Big Bargains. Take your choice of No. 1, 2, 3 or 4. See how much you can save. And, remember, when you get a **Reliance**, you get an incubator that lives up to the manufacturers' guarantee. It **practically runs itself; it requires very little oil for a big hatch and it hatches every hatchable egg put on the egg tray.**

The **Reliance** is a new model—**a 1914 machine**—and because of its perfect construction and improved regulator system, it is sure to become the hatching sensation of the year. You or any one can be sure of success with it. Even beginners can get best results—even to **100 per cent hatches**—by merely following the **simple directions** sent with each machine.

The **Reliance** is guaranteed to make chicken-raising pay big profits. No losses, no repair bills, no extras to buy, no waste of oil. Better order yours—incubator and brooder—right now from this ad.

The 1914 **Reliance** is made of best lumber. Side walls and top are made of three thicknesses—cold can't get in, heat can't get out. Equipped with best regulator, thermometer, egg tester, lamp, egg trays. Beautiful finish, handsome steel legs.

Full description, circular matter, incubator and hatching facts sent free on postal request or with order.

4 Big Bargains

Bargain No. 1
70-Egg Incubator Guaranteed **$3.90**

Bargain No. 2
150-Egg Incubator Guaranteed **$5.75**

Bargain No. 3
70-Egg Incubator $3.90
70-Chick Brooder 3.00
Total - - $6.90
Both for Only $6.50

Bargain No. 4
150-Egg Incubator $5.75
150-Chick Brooder 3.00
Total - - $8.75
Both for Only $8.25

You can't go wrong buying a **Reliance**—either size, or in combination with brooder. Our guarantee protects your purchase.

Better order your incubator or brooder—or both—right now from this ad. You'll never get any other such offer. Use order blank below and save time and make money.



Big Bargains in Reliance Grain Sprouters

Biggest money-maker for poultrymen since the invention of the modern incubator.

Reliance Sprouted Oats will **cut feed bill in half; will keep hens laying all winter and increase egg yield over 50 per cent; will make and keep fowls healthy, sturdy and promote their growth.**

Order direct from ad on guarantee of satisfaction or money back. Safe delivery guaranteed. Sprouter comes to you ready for use. Order to-day.

Prices of Sprouter

No. 1, for 25 to 40 hens, **$ 5.00**
No. 2, for 75 to 100 hens, **7.00**
No. 3, for 150 to 200 hens, **8.50**
No. 4, for 200 to 350 hens, **11.50**



Here's Your Order Blank. Use It.

Directions and Money-Making Literature Sent Free

with each machine. Safe delivery guaranteed. Machines come fully equipped—**NO EXTRAS TO BUY.** Machines come ready for use—**NOT KNOCKED DOWN.**

Order direct from ad and start an early hatch, but if you want particulars first, write and we'll send more proof of **Reliance** superiority.

Orders filled same day received. Address

Reliance Incubator Co.
Manufacturers of Incubators, Brooders, Grain Sprouters
Dept. A3 , Freeport, Ill.

SPECIAL ORDER BLANK

RELIANCE INCUBATOR CO., DEPT. A3 , FREEPORT, ILL.

Gentlemen: Please find enclosed $_____

for which please ship by _____

the article as checked below.

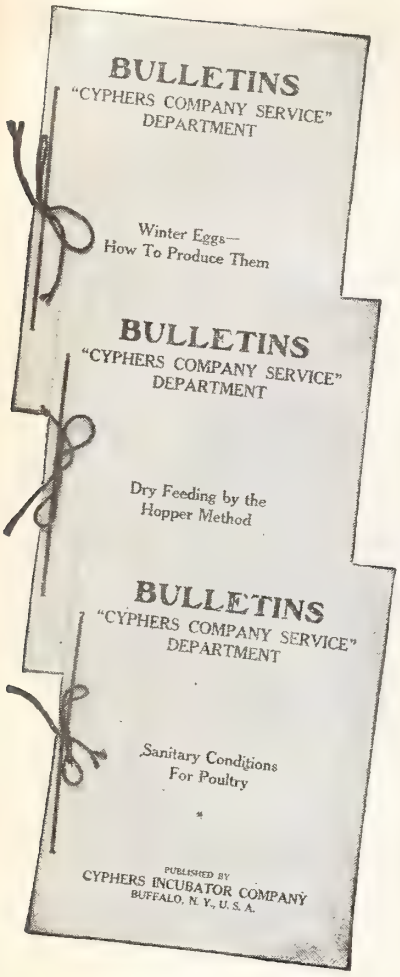
It is a condition of this order that the Incubator, Brooder or Sprouter I buy of you, give me perfect satisfaction and live up to your claims or you'll make good by replacement or refund the full purchase price.

☐ 1 **70-Egg Incubator (Guaranteed) $3.90** ☐ 2 **150-Egg Incubator (Guaranteed) $5.75** ☐ **No. _____ Grain Sprouter**

☐ 3 **70-Egg Incubator and 70-Chick Brooder (Combination Price) $6.50** ☐ 4 **150-Egg Incubator and 150-Chick Brooder (Combination Price) $8.25**

Name_____

Town _____ Shipping Station _____ State _____



Don't Waste Money!

YES, READER, a Standard Cyphers Incubator costs somewhat more; *at the start*, than does a cheaply built, wrongly-constructed, "bargain price" machine, but before the *first season's work* is ended, the genuine, latest improved "Cyphers" will have *more than made up* THE DIFFERENCE IN COST, and then you will own a strictly high-class, *dependable hatching machine* that will last ten to twenty years without a cent of repairs. If you are going to buy an incubator, buy a good one—*the best to be had.* If you decide that you would like to own a Cyphers, we strongly urge you to buy it *first*—not after you have "tried" some cheap machine and met with discouraging losses. When you buy one cheap incubator, discard that and buy another that is no better, you are *overpaying* the Cyphers price, *without* getting Cyphers *results* and Cyphers *satisfaction.*

Recent Sample Reports

"1,925 Chicks Out of a Possible 2,220"

New Brunswick, N. J., July 3, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I have two Standard Cyphers Incubators, a No. 3 and a No. 1 machine, and have been getting **excellent results.** In all, we hatched 1,925 chicks out of a possible 2,220, as follows: NO. 3 MACHINE—from 372 fertile eggs, hatched 356 chicks; from 381 fertile eggs, hatched 364 chicks; from 341 fertile eggs, hatched 327 chicks; from 382 fertile eggs, hatched 366 chicks. NO. 1 MACHINE—from 132 fertile eggs, hatched 121 chicks; from 141 fertile eggs, hatched 133 chicks; from 132 fertile eggs, hatched 126 chicks; from 139 fertile eggs, hatched 132 chicks. **We are more than pleased with these results.** Your Paradise Brooders also have given us the best of satisfaction. We have successfully raised as many as one thousand chicks in two of your complete four-section Paradise Brooders, with a loss of comparatively few. All chicks were strong and vigorous.

O. POLINSKY,
Per S. Pollins, Mgr.

"2,530 Fertile Eggs, 2,456 Chicks."

R. F. D. No. 8, Shelton, Conn.
Sept. 2, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

Early in March I started my Standard Cyphers Incubators and finished late in June. From 2,530 fertile eggs, I got 2,456 good, strong chicks. **Several hatches were 100 per cent.** I have no trouble whatever with your incubators and like them better every time I start them up. Am sending you, under separate cover, a photograph of my last hatch for this season, 175 chicks from 175 fertile eggs.

ALFRED SHAW.

"Out of 144 Eggs I Got 130 Chicks"

Gaviota, Cal., April 20, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I received my Standard Cyphers Incubator in March and am very much pleased with it. I thought that you would like to know that it is doing very good work. **Every egg that is fertile is hatched.** Out of 144 eggs I got 130 chicks. The results from your incubator are better than I ever expected, and I gladly recommend to any and everybody the Standard Cyphers Incubators. No one can make a machine that will hatch more chicks from the same number of eggs. I would not sell mine for any price if I could not get another Cyphers Incubator, and I cannot praise it enough. I am just starting to raise chickens and I would like to have some of your poultry books, and also your catalog.

M. ERRO.

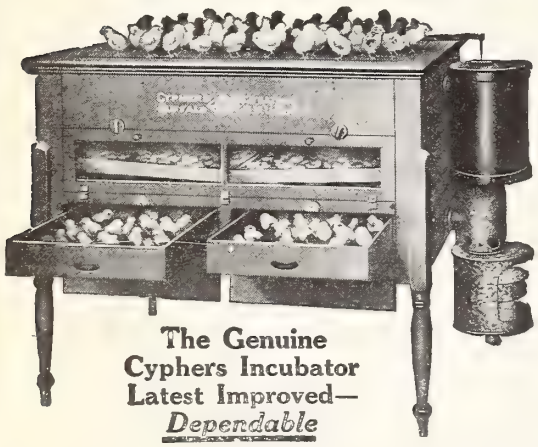
1,293 Fertile Eggs—1,266 Chicks

Battle Creek, Mich., Mar. 11, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

The two Cyphers Incubators I purchased of you have **given excellent satisfaction. Here** are results: **first hatch,** 236 chicks from 244 fertile eggs; **second hatch,** 204 chicks from 204 fertile eggs; **third hatch,** 199 chicks from 205 fertile eggs; **fourth hatch,** 232 chicks from 242 fertile eggs; **fifth hatch,** 178 chicks from 178 fertile eggs; **sixth hatch,** 217 chicks from 220 fertile eggs. Naturally I am well pleased with the work these machines have done, and will recommend the Standard Cyphers to any one wanting the best machine for hatching **strong, healthy chicks**—and lots of them.

ALBERT G. KOVEN.



The Genuine Cyphers Incubator Latest Improved— ***Dependable***

Cyphers Company Bulletins

No. 1—Winter Eggs and How to Get Them.
No. 2—Dry Feeding by the Hopper Method.
No. 3—Sanitary Conditions for Poultry.
No. 4—Back-Yard Poultry Keeping.
No. 5—Green Food for Poultry.
No. 6—Dryness Essential in Poultry Houses.
No. 7—Common-Sense Feeding of Fowls.
No. 8—Important Don'ts for Beginners to Memorize.
No. 9—Proper Brooding of Chicks.
No. 10—Proper Feeding of Chicks.
No. 11—Handling of Incubator to Get Best Results.
No. 12—Marketing Eggs at a Profit.
No. 13—White Diarrhœa of Chicks.
No. 14—Poultry Raising for Profit on the Farm.
No. 15—Poultry Houses, Their Proper Construction.
No. 16—Special Fattening of Fowls.
No. 17—Selection and Care of Breeding Stock.
No. 18—Line Breeding and Trap Nesting.
No. 19—Best Markets for Table Poultry.
No. 20—Where to Start in Poultry Business.
No. 21—Common Diseases of Fowls and Chicks.
No. 22—Common Mistakes in Poultry Keeping.
No. 23—Combining Poultry and Fruit Growing.
No. 24—Common Poultry Pests.

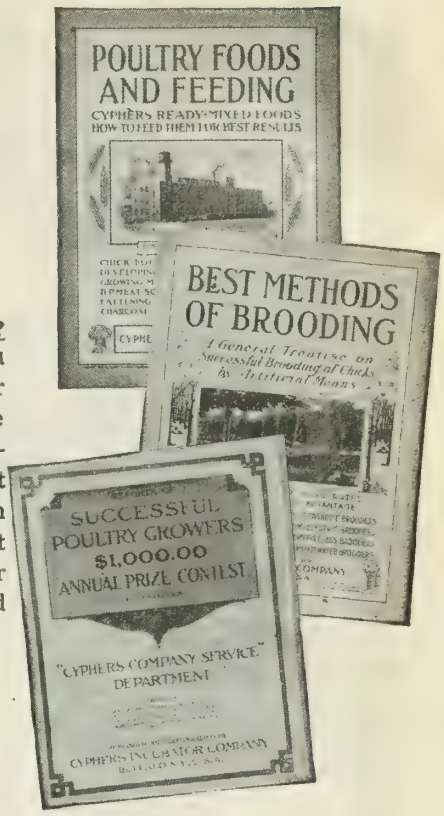
Free Bulletins and Booklets

If you have not already sent for *three sample* free Bulletins (your choice) of the Cyphers Company's series of twenty-four, *do so today*—and also fill out the coupon on opposite page, asking for copies of the two 52-page *free booklets,* "Best Methods of Brooding" and "Poultry Foods and Feeding," each of which should be worth a *five dollar bill* to you, if you are determined to make out of your poultry work this season *all the profit* possible. See list of twenty-four Bulletins herewith.

CYPHERS INCUBATOR CO.
Department 30, Buffalo, N. Y.

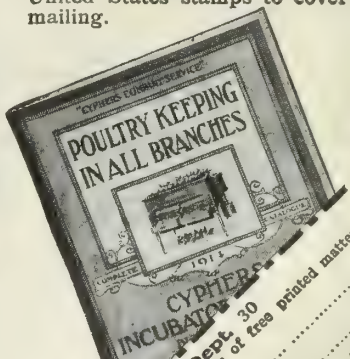
Don't Waste Time!

BEAR IN MIND that a merely "built-to-sell" incubator is a *losing proposition* right from the start. First to last, it will never give you the *right kind* or the *right number* of chicks. And it is no respecter of eggs—fertile or infertile—fancy sittings or eggs bought at a store *are all alike* to the "bargain machine." The cheap, flimsily-built, wrong-in-principle incubator starts working *against your interests* as soon as it starts doing anything at all. Remember, also, that it takes more than an "occasional" good hatch to prove that an incubator is *truly dependable*—that it is the hatching machine you *can afford to adopt* as the foundation of your *personal success* in any branch of the poultry business. We have received *hundreds upon hundreds* of reports like the samples published herewith.



$1,000 Prize Contest Book

This remarkable book contains reports—"fact-stories" from men and women chicken-raisers all over the country—who won success in spite of hard conditions, of uphill work—who met difficulties and downed them—who succeeded because they were earnest, careful, efficient. This book is a gold mine of valuable suggestions to any one interested in poultry growing or in egg-production. A free copy will be sent to any address, domestic or foreign, on receipt of 10c in United States stamps to cover cost of mailing.



Cyphers Incubator Company, Dept. 30
Gentlemen:—Please mail to address below copies of free printed matter, as follows:

Also send me 176-page $1,000 Prize Contest Book, for which find enclosed 10c in stamps.

Name.....

Address.....

What Our Customers Say

Won't "Trust Them Under Hens"

R. F. D. 1, Comstock, N. Y., July 28, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I use and strongly advocate the Standard Cyphers Incubators and Brooders. Have used them three years now and they never yet have been beaten. Have tested them with other machines, but the Cyphers is the winner every time. In setting high-priced eggs I will not trust them under hens, or in other incubators, but put them in the Cyphers and raise the chicks in your brooders. Following are hatches made early the past spring in my Cyphers machines: from 150 untested eggs, 129 chicks; from 148 tested eggs, 144 chicks; from 133 tested eggs, 126 chicks. Of these 399 chicks, I raised 98 per cent, so you see they must have been extra strong. There was not a cripple among them. I am going to buy more machines of you next winter. I raise only White Wyandottes, and this past spring, at two and one-half months old, they weighed three pounds each on an average—some of them a little more.

SPRINGSIDE POULTRY FARM.
Harold C. Thomas, Proprietor.

"Have Never Had Less than 300 Chicks"

R. F. D. 3, San Diego, Cal., June 29, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

I have four Standard Cyphers Incubators—three 390-egg, and one 244-egg. My first hatch I set 440 eggs in a large machine, tested out 58 infertile eggs, leaving 382 and I hatched 338 fine, strong chicks. In another machine I set 440 eggs, and I hatched 372 chicks—a 93 per cent hatch. In the other machine I set 400 eggs, and hatched 306 chicks. In the 244-egg machine I set 260 eggs, and hatched 200 chicks. Those were all my early hatches and I had never run an incubator before. From the 390-egg machines I have never had less than 300 chicks. I think that the Cyphers Incubators are very easy to run and regulate. I thank you very much for the "Cyphers Company Service" Bulletins I have received. I find them a great help. MRS. R. H. POTE.

"Worth the Price and More"

R.F.D. 19, Elsie, Mich., July 21, 1913.

Cyphers Incubator Co., Buffalo, N.Y.—

Last March I purchased a 144-egg Standard Cyphers Incubator and a Style B Outdoor Brooder through your agent, Mr. E. A. Phillips. I set the incubator four times. The first hatch I secured 110 chicks from 128 fertile eggs; the second hatch, 118 chicks from 130 fertile eggs; the third hatch, 116 chicks from 124 fertile eggs, and the fourth hatch, 110 chicks from 129 fertile eggs. I have raised them partly in heated brooders, partly without artificial heat. But for all round use I much prefer the Cyphers Adaptable Hover, there being no danger of smothering and the temperature can be kept even. There is no question about Cyphers Incubators being worth the price and more. If the eggs are right, they are bound to hatch in the "Cyphers."

MRS. A. J. FIZZELL.

"Hatch was 92 Per Cent of Fertile Eggs, No Deaths!"

Las Vegas, Nevada, May 15, 1913.

Cyphers Incubator Co., Buffalo, N.Y.—

You may be interested in learning of my success this year with a No. 1 Cyphers Incubator and Cyphers All-Metal Adaptable Hover. The first hatch was 92 per cent of fertile eggs. I placed the 116 chicks in an Adaptable Hover and fed them by the deep litter method from the day they were taken from the incubator, supplying nothing but chick food at any time. Today they are six weeks old, and NO DEATHS. The second hatch gave me 89 per cent of chicks from all fertile eggs. These chicks (120) were raised in the same way as the first lot and today are three weeks old and only one death. What do you think of this?

W. S. PARK.

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We manufacture over *one hundred standard articles* for the use of *practical, successful poultry and egg producers,* including Incubators, Brooders, Hovers, Poultry Houses, Colony Coops, Balanced-Ration Foods, Insecticides, Remedies, etc. Send today for our latest 244-page Complete Catalogue, entitled "Poultry Keeping In All Branches"; is fully illustrated and contains *eight valuable chapters* of down-to-the-minute poultry information and advice. Address our place of business nearest you.

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If you have ever bred the GROVE strain of SINGLE COMB WHITE LEGHORNS, you know from experience that they represent just what we claim for them.

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One Peerless All Metal Incubator

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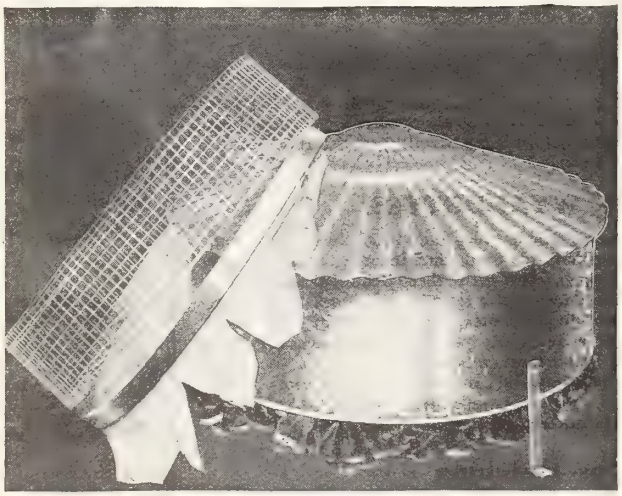
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Yes, I've USED it, and I KNOW. Don't take off a single hatch without it, BECAUSE it MORE than pays for itself EVERY TIME it is used."

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"The Rayo I bought of you won for me in the contest conducted by Successful Farming, which included practically all of the best makes. I had only 71 fertile eggs in the machine but I **got 71 nice, hearty chicks** and **raised 70** of them. It never varied 3 degrees, and only used seven quarts of oil for two hatches." — *Mrs. Wm. Weaver, R. F. D. 1, Baltimore, Ohio.*

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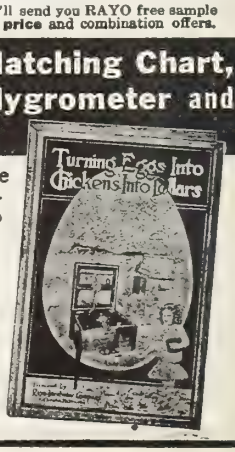
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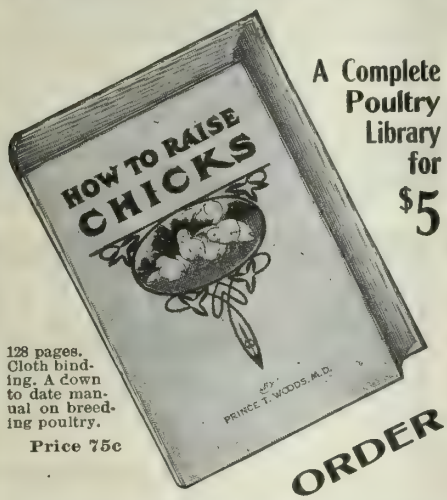
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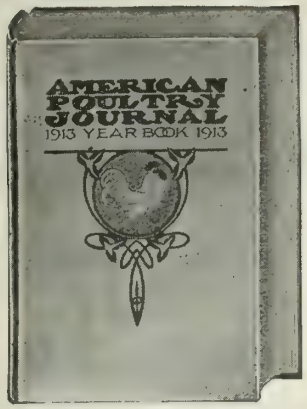


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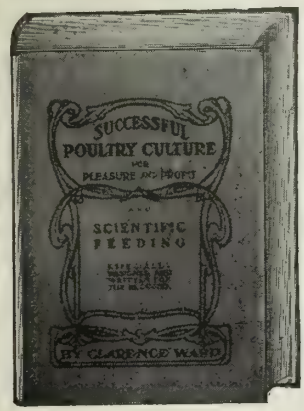
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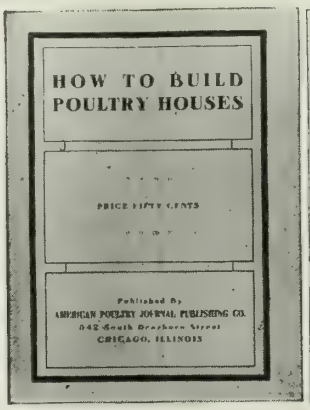
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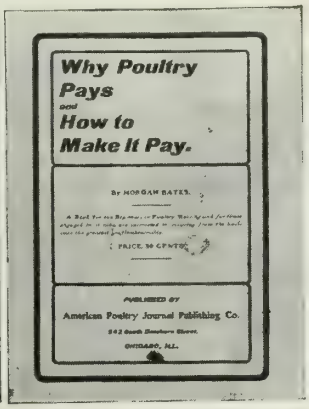
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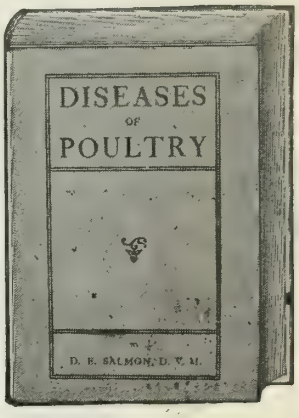
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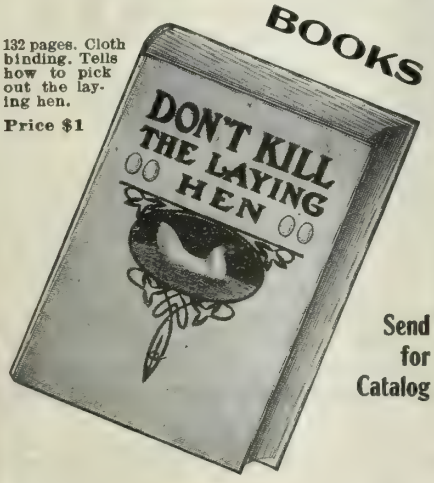


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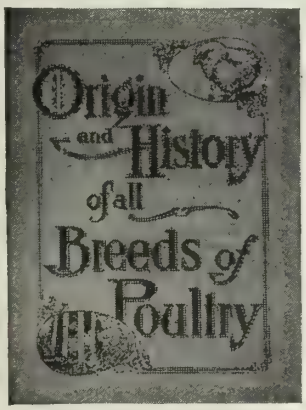
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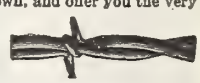
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A complete stock of all heights of Woven Wire Fencing for every purpose. Do not delay your order, but send it in at once, even if you are not ready to have it shipped. We will hold the material ready to deliver when you want it.

Smooth Galvanized Wire $1.00 per 100 lbs.

Sold "as is," as near as possible one guage only to the coil. Our price of $1.00 per 100 lbs. is in lots of 1000 lbs. Where ordered in other quantities our price for gauges 9 to 12 per 100 lbs. **$1.25.** 16, 17, 18 gauges, **$1.45.**

SOME BIG BARGAINS IN NAILS

At last we have the bargain of bargains. 10,000 kegs of genuine galvanized wire nails; will outlast all other kinds. Put up in regular kegs. Price per keg of 100 lbs., as follows:—

10 pennyweight, $2.00 — **8 pennyweight, $2.10**
6 pennyweight, $2.15 — **Shingle Nails $3.00**

Also 5,000 kegs of Nails, mixed all kinds in a keg; good assortment, handy to have around your workshop. During this sale only, **per 100 lbs., $1.38. Order by Lot CE-1100.** We have other bargains in nails.

Also, in the same job, we have 5,000 kegs of Fence Staples, galvanized, **per keg, $2.00. Lot CE-1400.**

Crimped wire for reinforcing, cut to any desired length; **per 100 lbs., $2.00 Lot CE-1300.**

We have bargains in every line. Write us today for our Wire and Fence Catalog, but the best thing for you to do is to send your order now, and we will hold for shipping instructions.

SEND IN THIS COUPON

HARRIS BROS. COMPANY,
35th and Iron Streets, Dept. CE 8 , Chicago

Without any obligation or promise to buy, please send me the following catalogs and full information free:

(Put a check mark opposite the books you want)

- ☐ Special Catalog and samples of Roofing.
- ☐ Catalog of Lumber and Building Materials.
- ☐ Book of House and Barn Plans.
- ☐ Catalog of fencing and wire.

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HARRIS BROTHERS CO., 35th & Iron Sts., Chicago

ANNOUNCEMENT

THE
American Poultry Journal
YEAR BOOK
FOR 1914 READY SOON

Place your order for this book today—it's still bigger—better—more thorough than the 1913 Year Book which has been pronounced one of the greatest, most valuable books for poultrymen—everywhere.

It will contain complete show reports for the season—many valuable articles—charts—poultryman's calendar—almanac—colored illustrations, etc. In short, it will be the boiled-down-to-the-minute cream of information you are looking for.

READ WHAT THEY SAY ABOUT THE 1913 EDITION

Alexander, N. Y., May 26, 1913.
American Poultry Journal.
Dear Mr. Bell: When you first made announcement of your intention to prepare and present to American poultrymen your first Year Book, those of us who have had occasion to know the real value that invariably attaches to anything coming from the Journal office, had some idea of the scope and value of your work. Having received my copy and given it careful examination, I feel it safe to say that nothing of like character has ever before been presented to our American poultrymen, and that no book of recent years possesses so much of usefulness to the poultry fraternity. Let me congratulate you upon the excellence of the book itself, and the scope and real merit of the whole work. Yours very sincerely, Reliable Poultry Specialty Co., by Eugene W. Harrington, Gen. Mgr.

Buffalo, N. Y., June 7, 1913.
American Poultry Journal.
Gentlemen: Your 1913 "Year Book" has been received and carefully inspected. We find it to be a most complete and comprehensive work. We realize full well the effort necessary to place such a volume in the field and sincerely trust it will be received in full worth by the breeders at large. We will be very glad to remember you editorially and will no doubt use the volume in our fall subscription campaigns. Very truly yours, National Barred Rock Journal, per Leo T. Robinson.

June 11, 1913.
Mr. J. W. Bell.
Dear Sir: I congratulate you upon the 1913 Year Book. It is a much better work than I expected, and is a credit to you and assistants. It is the result of a fine idea well expressed. I wonder why some publisher did not attempt it here before. It will be a great help to many breeders, and commendable every way. Very truly yours, Mrs. Denton Cole, 23 Dickson avenue, Binghamton, N. Y.

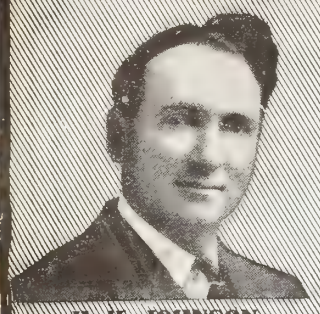
Quincy, Ill., May 31, 1913.
Editor American Poultry Journal.
Gentlemen: While we have just glanced through the book we hasten to congratulate you upon such a fine piece of work. It is nicely gotten up and full of good things and we feel sure that it will meet with a large demand. Very truly yours, Reliable Poultry Journal, D. E. Hale, Associate Editor.

West Newton, Pa., June 9, 1913.
American Poultry Journal.
Gentlemen: Received the Year Book of 1913, and must say that I'm more than pleased with the same. I think this a great book for amateurs. Yours truly. R. P. Schneider.

American Poultry Journal.
Gentlemen: The Year Book has reached me and more than fulfills my expectations. It is worth waiting for. Very truly yours, Edwin R. Fraser.

The 1914 Edition will be still better—order today. Paper Bound, 50c; Cloth Bound, $1.00

AMERICAN POULTRY JOURNAL PUB. CO., 542 S. DEARBORN ST., CHICAGO, ILL.



H. H. JOHNSON

I Am Making 100,000 Old Trustys this Year

I Have Fixed a Price That Will Sell Them Quick

Get My Price to You, Freight Prepaid

I WANT you to be one of my new customers this year. I know if you understand what I have got and will get my terms, you will be as anxious to get an Old Trusty as I am to send you one. I don't feel that the Johnsons or the Old Trusty exactly need an introduction to poultry raisers.

We have been here in Clay Center something over 19 years. We have made and sold half a million incubators, and I think you will agree that the business would not have grown this way if the Old Trusty wasn't right. We wouldn't have half a million satisfied customers if the Old Trusty didn't make poultry profits more surely, easily and steadily than any other hatcher. We wouldn't have all these customers if we didn't deal in the way people like.

From year to year the business has grown until I can see definitely ahead from 90,000 to 100,000 orders for 1914. I am ready for 100,000 to make sure of no disappointments.



M. M. JOHNSON

Start Now, Old Trusty Gets Big Hatches in Coldest Weather

I don't think I need to tell you much about the money-making possibilities of poultry. You have got that idea or you wouldn't be reading this paper. But you won't know and can't know, until we get closer together, that this money comes easier and quicker through using the Old Trusty Incubator and Brooder than by any other means. And you know, too, that the early hatches, that prove successful, are the most profitable hatches. A "fair weather hatcher" is a handicap. The Old Trusty hatches in any weather. You will understand this difference when you read the details of construction. The fact that three or four times the number of people in this business have selected Old Trustys than those using any other one make, is my best argument for asking you to get the Old Trusty book, compare the Old Trusty machine with any others you know, compare Old Trusty prices, and figure your own prospects accordingly. Then you'll feel safe in starting your hatches anytime, anywhere, with an Old Trusty.



FREE The A-B-C of Poultry Profits

Send Your Name for Johnson's 1914 Book

The book is 120 pages this year and it isn't entirely given over to extravagant talk and big claims about the Old Trusty business either. It's got the same kind of stuff in it that has helped half a million other folks enlarge their poultry operations and increase their profits.

Just send me your name and address anyway, so I can mail you a copy of this book, with the understanding that you are not to be hounded for an order.



Entirely metal covered. Triple walls including top and bottom. Asbestos lined.

Shipped ready to use. No extras to buy.

Mail a Postal for this Free Book

and learn how half a million people are making more poultry profits.

Get the low factory price, freight prepaid, based on making 100,000—$5.00 less than any one else could afford to ask.

90 Days' Trial—20 Year Guarantee

That's about all I need to give you here as an indication of Old Trusty quality. If it doesn't make good from the start, we trade back. If it doesn't last you through the years making good right along, it's up to me to make it right, or still trade back.

I make this 20 year guarantee because the Old Trustys put out over 10 years ago are still doing the business just as good as new. And right here I want to say that when you are convinced that the Old Trusty is the machine you want, you will get it when you want it. We ship the day your order is received—always within 24 hours, and generally within a few hours the Old Trusty is on its way. But the book explains it all. Just send your name on a postal and we will send it by return mail.

Address

JOHNSON, INCUBATOR MAN,
Clay Center, :: :: Nebraska



The Home That Was Built by Hens

A Practical Poultry Story, by "Uncle Cal" Stoddard

An unusual book, so different from any other now in poultry literature that it is in a class by itself.

BASED on actual facts and told in a breezy manner, it appeals immediately to the reader. It is not a story about poultry alone, but we are certain that the reader will absorb more practical information from the pages of this book than he could obtain from any text book published exclusively on poultry. The story tells the actual facts of how the poultry business presented unheardof opportunities for a foreman in a foundry, who after serving his company for many years had been discharged, and how in a very short time he built up a business that netted him a bigger salary than he ever earned before. The appendix in the book gives complete feeding formulas, symptoms of and remedies for poultry diseases. This part of the book alone is worth dollars to anyone keeping a few fowls.

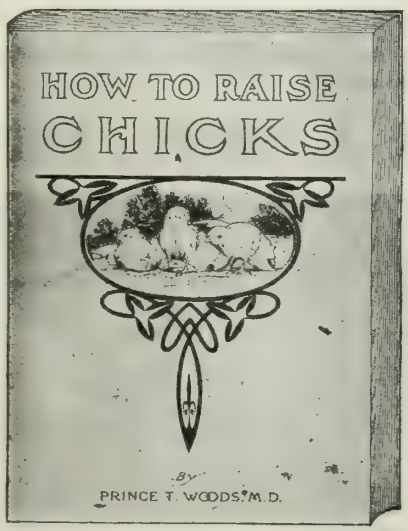
Handsomely illustrated by Leonard K. Stahmer, son of Louis A. Stahmer, the well known poultry artist, makes it a book which everyone ought to have in the library.

Handsome paper covered edition.....50c
Cloth covered edition.....75c

AMERICAN POULTRY JOURNAL PUBLISHING COMPANY
542 SOUTH DEARBORN STREET -:- -:- CHICAGO, ILLINOIS

DR. PRINCE T. WOODS' NEW BOOK

How to Raise Chicks



INCLUDING REVISION OF "FACTS ABOUT WHITE DIARRHOEA"

A down-to-date manual on breeding poultry, getting hatchable eggs, incubation and brooding both natural and artificial, preparing chick foods, feeding chicks, how to raise chicks and how to avoid and prevent disease and losses. Told in plain language. Illustrated with reproductions from photographs and pen drawings. Tells how to make your own brooders and chick foods. Written by a man who knows how and how to teach others. 88 pages, 35 illustrations and 5½x8 inches in size. Printed on good paper. Well and durably bound in cloth.

A Book for Everybody Who Keeps Fowls or Grow Chickens Whether Beginner or Old Timer in the Field of Poultry Work

It has ten chapters: Chapter I—Selecting and Mating Breeding Stock. Chapter II—Food, Vegetable, Animal and Mineral. Chapter III—Fowls and Food. Chapter IV—Care and Management of Breeders. Chapter V—Eggs for Hatching. Chapter VI—Incubation, Natural and Artifical. Chapter VII—Brooding with Hens and with Brooders. Chapter VIII—Chick Foods and Feeding Chicks. Chapter IX—Growing Chicks. Chapter X—Facts About White Diarrhoea. What white diarrhoea is. Symptoms of disease. Causes. Is there more than one form? Has germ of specific disease been found? Infection. Prevention. Treatment. Formula for a simple remedy which has proved effective in many cases in many climates for four years.

Here is a book devoted to chick comfort and to more and better chicks, 75 cents per copy postpaid. Learn to save your chicks; that means more profit; Dr. Woods tells how; send for the book now, only 75 cents, cloth bound.

75c per copy, postpaid; with American Poultry Journal, one year, only $1.40. Canadian subscribers add 25c for postage, foreign 50c.

American Poultry Journal, 542 South Dearborn St., Chicago, Illinois

Their Superiority Again Proven

Not being satisfied with the winnings made by our White Plymouth Rocks at **22** of the **Largest Shows and 5 Exhibitions** we again have proven the superior quality of our fowls by winning

At Cincinnati, O.
Dec. 1913

Theo. Hewes and W. W. Zike, Judges



First, fourth and fifth cock, first, second, third, fourth and fifth hen, first, second, third and fourth cockerel, first, second, fourth and fifth pullet, first, second and third old pen, first, second and third young pen, grand special best display any and all varieties, silver cup for best two cocks, two cockerels, two pullets and two hens. Silver cup for best display Plymouth Rocks, grand championship cup for best Plymouth Rock cock, also hen, cockerel, pullet and pen.

This is surely proof that

U. R. Fishel's Wh. Plymouth Rocks

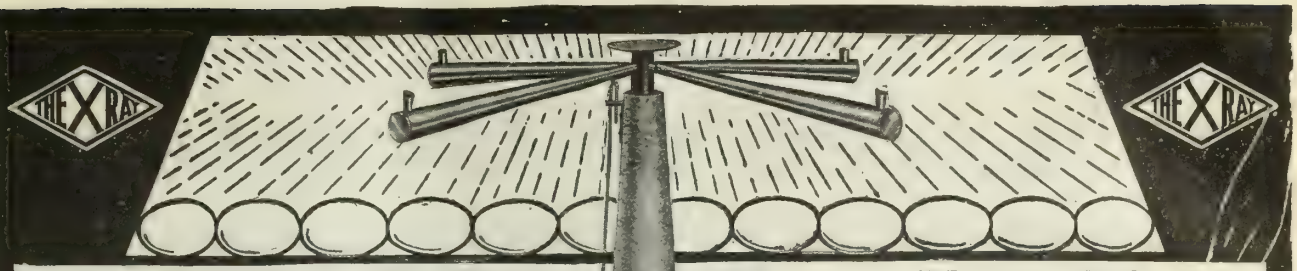
"The Best in the World"

are better this season than ever before. Why fool your time and money away on fowls that can not give you results, when you can buy line bred, farm reared, strong, vigorous fowls for the same price. **We have over eight thousand** to select from. **Selected breeders** and **Utility fowls** that will come as near producing two eggs a day as any fowl. **Send 25c** for 64 page book telling all about our 120-acre farm of White Plymouth Rocks. **Eggs, $10 per 15.** Sale stock eggs, $10 per 100. **Baby Chicks,** $25 per 100; $15 per 50; $8 per 25.

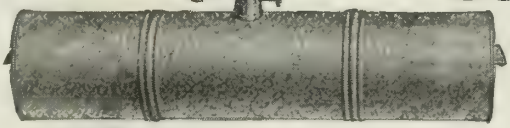
U. R. FISHEL - - Box A, HOPE, IND.



FISHEL'S "BEST IN THE WORLD" WHITE PLYMOUTH ROCKS, OWNED AND BRED BY U.R.FISHEL, HOPE, IND.



How the X-Ray Places Even Heat at Every Point of Egg Chamber



THE Central Heating Plant is the only sensible—the only *right* principle for the incubator. You know it. You can see it at a glance. Everybody knows it. "Why didn't they build incubators that way before?" Because the *right* construction—the simplest construction—is the last to be found. The X-Ray is the only incubator in the world with this construction—and it's patented.

Here you see how the lamp is placed—squarely underneath—right in the middle—where it can distribute heat *equally* to every corner alike.

How different from the lamp stuck on the end or side—putting too much heat close by, and not enough at the farther ends.

The X-Ray Incubator uses only one gallon of oil for the entire hatch. Others use five gallons.

X-Ray Automatic Trip Exactly Regulates the Flame

Another X-Ray feature that no others have, is the X-Ray Automatic Trip. It cuts down the flame at the burner when the egg-chamber gets too hot. It lets on more flame when more heat is needed. You don't worry over changes of temperature. *It is always the same in the X-Ray egg-chamber*, no matter what the air is outside—you don't have to watch it or bother with it at all. It runs itself—runs itself right—scientifically right—better than the guesswork of the most expert.

Saves 75c to $1.00 a Hatch—Many Dollars a Season!

Because the heating plant is in the middle, underneath—and because the X-Ray uses just the right heat—it is a big saver of fuel. It saves four times the quantity of oil others use.

The X-Ray uses only one gallon of oil for the entire hatch. Others use five to eight gallons. Think of the saving! Count up what that means. And it goes right on making this saving the lifetime of the incubator!

You put oil in the X-Ray just once for the hatch—when you start it. That's all. No work of refilling! Think of that, you who have filled tanks every day of a hatch—a daily job for 21 days.

You Get More Chicks! You Get Healthier Chicks!

The X-Ray Brooder with lamp underneath is just as far ahead of old-fashioned, wrongly constructed brooders, as the X-Ray Incubator is ahead of other incubators.

Start your business right! If you are an old hand at poultry raising, fire out the old expensive, uncertain, unsatisfactory, greasy, work-making machines. You'll be dollars and dollars ahead. If you are just starting, start right! Start with the *scientific* poultry raising plant—the X-Ray, the Incubator and Brooder of today.

Send for Free X-Ray Book No. 10

It shows you the way. It answers every question. It puts you in touch with the methods the big successful poultry raisers are using all over the country.

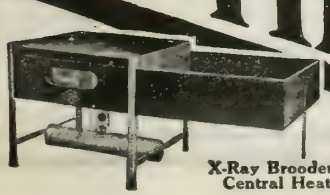
X-RAY INCUBATORS AND BROODERS ARE SOLD DIRECT FROM THE FACTORY TO YOU. You pay no agents'—no middlemen's profits. You get the splendid X-Ray outfits—made of the best materials in the largest factory of its kind in the world—at the lowest price at which the best can be built. And we prepay the freight.

Send for the Book today. The coupon will do—a postal will do. The point is, send for it.

X-RAY INCUBATOR CO.
Des Moines, Iowa

Our new factory at Des Moines is the largest exclusive incubator factory in the world—the most modern equipped. Come and see it, if you can.

THE X RAY



X-Ray Brooder Also Has Central Heating Plant

Name.....
P. O.....
R. R. No.....
State.....

Starved or Overfed

In Which of These Two Classes Are Your Chickens?

SIMPLICITY POULTRY FEEDER



NOTE LOW PRICES

Baby chick size	$1.25
6-quart, coop size	2.00
10-quart size	2.50
20-quart size	3.00

Special discount on quantities

This feeder is guaranteed to be perfect in every way. It can't choke up when pieces of corn cob or straw gets mixed with the feed. It has no springs or mechanical parts to get out of order. It feeds your chicks and chickens clean, sweet food—whenever they want it—and just a little at a time; it makes them exercise or else starve. Properly constructed automatic feeders are recommended by all noted authorities on poultry, for they insure success to the amateur and lessen the work of the older breeders. Our guarantee is your proof that the Simplicity is properly constructed in all ways.

Statistics prove that at least 94 per cent of all poultrymen — professionals and amateurs alike can not feed chickens correctly by hand. Feeding by hand means too much or not enough food, one being as bad as the other. When you overfeed by hand the hen becomes a **drone**—and you have yet to know of a drone being a laying hen. Make a hen work for her food and she becomes a busy laying hen—in fact, ninety-nine out of a hundred times she lays earlier and more often. Have you ever figured how much your **waste** feed bill amounts to—the feed that is carried away by birds and mice—or else left to become filthy and foul, spreading disease.

NOTE LOW PRICES

Baby chick size	$1.25
6-quart, coop size	2.00
10-quart size	2.50
20-quart size	3.00

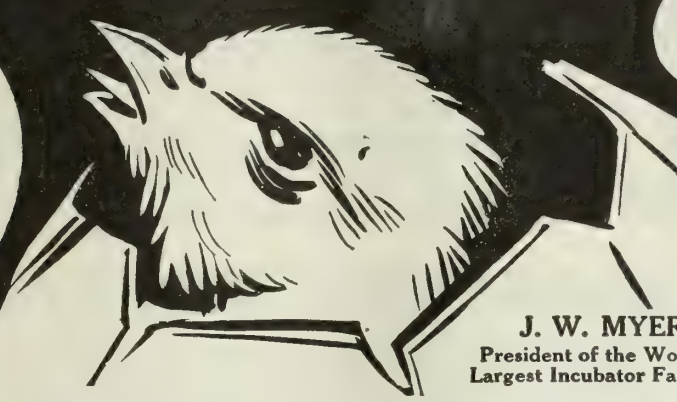
Special discount on quantities

SIMPLICITY POULTRY FEEDER

REMEMBER You buy Simplicity Kant-Klog Feeders on a positive guarantee of "money refunded if not entirely satisfactory." Write for complete poultry appliance catalog today. We can save you money.

SIMPLEX SUPPLY HOUSE, PONTIAX BLDG., CHICAGO, ILLINOIS

Don't Take A Chance—Get The Facts About Incubator Values





J. W. MYERS,
President of the World's Largest Incubator Factory

I PROMISE you a revelation in how to get the utmost in **quality** and **results** at the **least possible cost.** My 1914 prices on good old "Reliable" machines set a new standard of value in incubators. You should know the inside facts. Let me place them in your hands. For 32 years I have been building the best incubator that experience, knowledge, the finest materials and best workmanship can produce. Reliable Incubators are the choice of experienced poultrymen — the leaders in the industry. They are the machines of widest use not only in this country but in all parts of the world as well. They give results. This is not theory or advertising bunk, but facts. Every hatchable egg you lose in unknown machines means a loss to you of at least 50 cents. I say, buy the machine of known results. I can name an unheard of price on the **highest** grade incubators because I have the largest incubator and brooder factory in the world. Every department is equipped with the latest labor saving, cost reducing machinery.

Let Me Name My 1914 Price on "Reliable"

If I were to name here my price on this famous incubator you would think I had cut quality. Such is not the case. It's the same good, old "Reliable," with every 1914 improvement—the best at any price. It's guaranteed to hatch every hatchable egg. Nothing but the finest materials used throughout. Perfectly seasoned, beautiful, everlasting Red Wood lumber, with top and bottom tongued and grooved. Has double heating system built right into the machine, yet you can get at it instantly. Has accurate regulator — tanks of cold rolled copper — metal chimney — government standard tested thermometer — all metal safety lamp and the whole machine is thoroughly insulated. Every "Reliable" is carefully tested before shipment. I know the kind of a machine you get. The "Reliable" simply can't help giving perfect satisfaction, no matter about the weather or the altitude. It gives results — that's what you want. Send for my 1914 prices today.

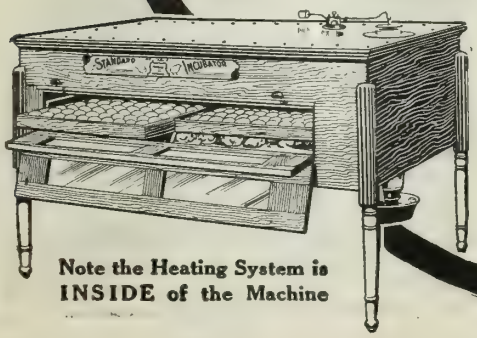
The Reliable Brooder

is built on the same thorough principle, and is of the same excellence of construction as the Reliable Incubator. Can be furnished with either Hot Air or Hot Water heating system. Built in four sizes — for 80, 120, 220 and 300 chicks. Roof is of heavily painted, galvanized iron.

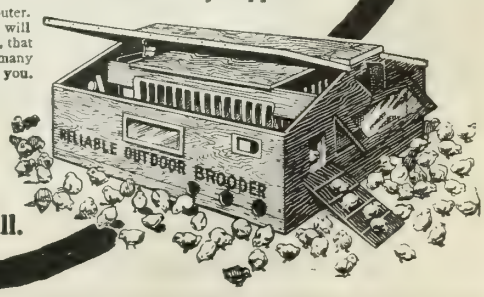
Every machine backed by an iron-clad guarantee of money back if not perfect in every way. Don't buy until you have investigated the "Reliable" line, and have my 1914 prices.

If You Want Stock

The Reliable Poultry Farm offers you a thoroughly dependable source from which to secure either birds or settings of eggs. This is one of the largest and most noted pens in America and only pedigreed stock is bred. All varieties of chickens, ducks and geese. Birds or eggs successfully shipped anywhere. **We Also Handle All Manner of Poultry Supplies** including our Reliable Grain and Oat Sprouter. Send now for prices and descriptions. We will also send you free our new poultry catalog, that you will find interesting and to contain many suggestions that will prove profitable to you. Just a postal — send tonight.



Note the Heating System is INSIDE of the Machine

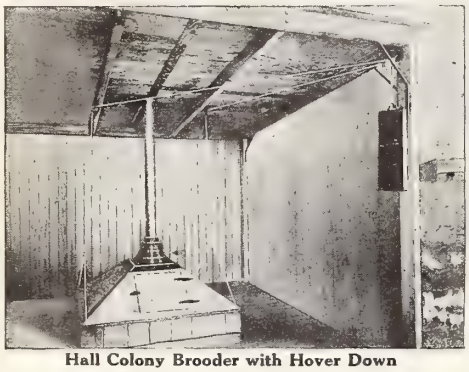


J. W. MYERS, President

Reliable Incubator & Brooder Co.,

Box A-1, Quincy, Ill.

AFTER HATCHING COMES the REARING



Hall Colony Brooder with Hover Down

The modern poultry keeper cannot afford to trust to "luck" in rearing chicks. Upon the percentage raised depends his profit or loss. You need equipment that will increase the percentage of healthy, husky chicks raised to maturity and at the same time reduce the labor and time required in caring for them. Chicks thrive best in out-door brooders, but the little kerosene lamp brooders require too much time and attention to operate profitably if rearing chicks in any large numbers.

The HALL Coal Heated COLONY BROODER

Solves the chick-rearing problem in the most satisfactory manner for anyone who has two or three hundred chicks or more. It gives plenty of heat and room in the healthy, vitality-building environment of the outdoor range. There's no danger of fires, no kerosene fumes or odors, no lamps going out, no chilled chicks.

A Cheaper and Safer Fuel

The Hall Colony Brooder burns hard coal, which gives the cheapest and safest heat for chicks. It costs less than one-third as much as oil fuel for lamp brooders. The saving in time and labor in caring for chicks in the Hall Colony Brooder is another important consideration. The floor of the colony house also serves as the floor of the brooder. The hover lifts easily by a counter-balance weight—exposing the entire surface of floor for cleaning.

Raises More and Sturdier Chicks

You can care for 300 or more chicks in each Hall Colony Brooder with less labor than 50 or 100 chicks require in the old type brooder.

The Hall saves you time and money and rears a larger percentage of healthy, vigorous chicks. When chicks are old enough to no longer require a brooder, the hover is easily removed and chicks can roost in the house until maturity.

Read Mr. Dare's Letter

R. F. D. No. 6, Dover, Del., April 21, 1913.

THE HALL MAMMOTH INCUBATOR CO.,
Little Falls, N. Y.

Dear Sirs:—I received the one Hall Colony Brooder complete that I ordered from you on March 3rd, 1913. It is certainly a great brooder. For economy in labor and results I wouldn't give it in exchange for 20 lamp brooders of the so-called 100-chick capacity. I am brooding 300 chicks with mine and they are certainly a lively bunch.

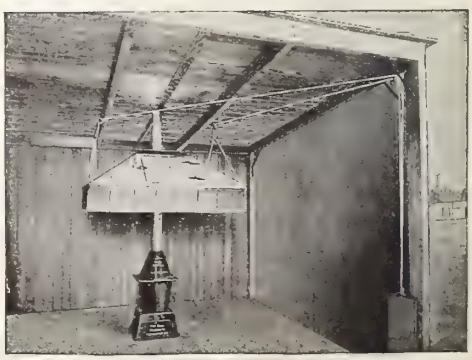
Yours very truly, E. M. DARE.

Write for Free HALL Catalog

It illustrates and describes the Hall Coal Heated Colony Brooder fully. Also explains the Hall Mammoth Incubators and Sectional Pipe Brooder Systems. It will pay you well to investigate Hall equipment this season. Let us show you how to raise more chicks with less labor and expense. Write today for our free catalog.

The Hall Mammoth Incubator Co.

132 Southern Ave., Little Falls, N. Y.



Hall Colony Brooder with Hover Raised


Jim Rohan
Pres.

Jim Rohan and Winners of Belle City's Eight World's Championship Hatches


Mr. Geo. W. Black, Ind.


Wm. C. Schott, Iowa


Mrs. Laura J. Clark, Illinois


Mrs. Alta Hamlyn, Ind.


Mr. F. E. Bennett, Ohio


Mrs. F. H. Osman, Ohio


Mrs. M. J. Clifton, Oklahoma


"TYCOS" CUP won by the Belle City

Write Today for My Free Book "Hatching Facts"—It Means More Money to You

GET the whole story of these Championship hatches with the Belle City. Get the stories of thousands of men and women who are getting 100% perfect hatches. Satisfy yourself. This great book is free. Write for it today. No other incubator made—not even the highest priced—approaches this amazing record of my Belle City. I have the letters of owners to prove it. Many of these letters are printed in this book "Hatching Facts." They tell you how Belle City owners are making *the most money* in the Poultry business. You certainly want this book. A postal gets it.

When You Buy from Me You Get an Exact Duplicate of the Prize Winning

Eight Times World's Champion Belle City

I send you an exact duplicate of the hatching outfit used by Mrs. Alta Hamlyn of Indiana, who joins the Belle City's list of World's Champions with TWO 100% hatches scored by her Belle City Incubator in Successful Farming's 1913 contest. Mrs. Hamlyn says: "I can hatch every fertile egg in my Belle City and regard your honesty the keynote to success." I send you an exact duplicate of the Belle City Hatching Outfit used by William C. Schott of Iowa, who shares the 1913 honors. His 100% hatch, 140 chicks from 140 eggs, won another World's Championship for the Belle City in Successful Farming's 1913 Contest. Mr. Schott writes: "The Belle City is the best incubator made—has given much more satisfaction than high-priced machines." I send you an exact duplicate of the Belle City Outfit used by each of the other world's champions whose pictures appear above.

The Kind "Uncle Sam" Uses

I send you an exact duplicate of the Belle City machines chosen by the U. S. Government. The Department of the Interior is one of my customers. The department asked for prices on 300-egg sized machines, but ordered my 140-egg Belle City machines, because even "Uncle Sam" wants to have Championship hatches, too.

I send you an exact duplicate of the Belle City Hatching Outfits used by leading agricultural colleges.

I send you an exact duplicate of the Belle City Hatching Outfit that won the gold lined silver "Tycos" Cup and the Championship for Mrs. Osman.

A Postal Brings You the Big Portfolio, "Hatching Facts"

In addition to the facts about the 90 to 100 per cent hatches, it tells you how the Eight-Times World's Champion Belle City Hatching Outfit is made—illustrates it in actual colors. Shows that it has every thing worth having in and on an incubator, yet it is the lowest priced.



My Eight-Times World's Champion Bell City Incubator has Oakes double disc self-regulator, correct hot water heating system, copper tank and boiler, safety lamp, double walls and double door and dead air space all over, with roomy nursery and strong egg tray. Of course, the thermometer is right: I use the "Tycos." I also supply egg tester, Edw. Miller sun hinge burner, funnel, everything you need, including valuable instruction book on operating, hatching and care of chicks. The book tells you all about my world famous 140-Chick Belle City Brooder—the only double-walled, hot water, top heat brooder made, guaranteed to raise largest percentage of chicks every time—a fitting companion to my World's Championship Belle City Incubator.

Ask for My Low Price

I will show you why I can send you my Belle City Hatching Outfit at half or less than half what others cost you! You buy direct from me. You pay no agents' or dealers' profits. I have prepared to build fifty thousand Belle City outfits to supply the demand for this season. This big volume enables me to cut my profit down lower than anybody else can afford to take—and I prepay the freight to all points east of the Rockies and allow it that far to points beyond.

Don't turn this page without either writing to me or else tearing out this advertisement as a reminder. Whether you order or not, you get all my valuable World's Championship "Hatching Facts" absolutely free! But be sure to write to me today. Just say, "Send World's Championship 'Hatching Facts.'" Address Jim Rohan, President.



Get My 1-2-3 Months' Home Test Plan Freight Prepaid

Belle City Incubator Co.

Box 27 **Racine, Wis.**

Be sure to write for this book



Aldrich White Orpingtons

The Strain of Quality

Winnings at Madison Square Garden December 26, 1913

1st White Orpington cock
3rd White Orpington cock
4th White Orpington cock
1st White Orpington cockerel
2nd White Orpington cockerel
3rd White Orpington cockerel
1st White Orpington pen
1st White Orpington hen
2nd White Orpington pullet
Special for Best Display
ONLY SEVENTEEN BIRDS ENTERED



Winnings at Coliseum Chicago December 17, 1913

1st White Orpington cock
3rd White Orpington cock
1st White Orpington cockerel
2d White Orpington cockerel
5th White Orpington cockerel
1st White Orpington pen, young
1st White Orpington pen, old
2d White Orpington hen
4th White Orpington hen
No pullets shown
Special Best Display
Special Best Colored Male
Special Best Colored Female
Special Best Shaped Male

This record of 4 firsts at both of America's Premier shows, in competition with the very best Orpingtons from Canada, England and America, with birds bred and reared on our farm, has never been equalled by any breeder of White Orpingtons in the world, thus proving beyond a doubt that **Aldrich Strain White Orpingtons** cannot be excelled, so that if you advertise the Aldrich Strain your success is assured, as the superiority of the Aldrich Strain is now acknowledged by all.

That you may see our customers win prizes as well as ourselves, we call attention to a few shows where our customers have won between July and Dec., 1913:

Allentown	Atlanta	Cleveland	Fulton, Ky. Akron, O. Battle Creek
Cincinnati	St. Louis	Richmond	Winston-Salem, N. C. Jackson, Miss.
Little Rock	Springfield	Indianapolis	Forrest City, Ark. Meriden, Miss.
Jersey City	Roanoke	Plainfield	Hobart, Okla. Augusta, Georgia
Albany	Reading	Grand Forks	McAllister Kingston, Mass.
Sioux Falls	Davenport	Marion, Ind.	Vancouver Guelph Winnipeg
Lancaster	Canton	Hamilton	Brandon, Canada

We have now mated up the finest pens of White Orpingtons ever mated in the world, and eggs from these pens are $5 and $15 per setting, fertility guaranteed. Remember these pens contain **every first prize male bird at both Chicago and New York shows this season,** and eggs of this quality were never before offered at such reasonable prices. Mating list now ready, and would advise early bookings if you desire eggs at at a certain date.

Aldrich Poultry Farm

5077 N. High St. **Columbus, Ohio**

AMERICAN POULTRY JOURNAL

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The Revolution Parcel Post Will Bring

The Great Fundamental Idea of the New Twentieth Century Distribution System Is That the Producer Must Reach the Consumer Direct.

H. H. Stoddard, Riviera, Tex.



"IT is the first step that costs," saith the proverb. The establishment of parcel post, after the express companies had defeated it for many weary years, was a first step, and a fateful step, for it will lead to other steps culminating in a business revolution amazing in extent.

This great revolution will largely consist in abolishing the costly drummer, and much of the costly advertising, the bad debts and delivery wagons of the retail store, and to a considerable extent the retail store itself, along with the wholesale dealer and the commission houses. "Utopian?" Not one bit. You just wait. The air is full of the movement.

As soon as parcel post was fairly started, its success was wonderful, despite the difficulties inevitable in grafting a new, huge and complex department on an old institution, running in well worn ruts. The efficient way the new business was managed, and the unbounded satisfaction of the public, led to the late enlargement of the service, but even this is but a drop in the bucket.

That the parcel post will be extended in time, so as to take packages to the weight of one hundred pounds or so admits of no doubt. Very likely the limit will remain for a long time at the weight that one man of average strength on a rural route can conveniently lift. The successive enlargements of permissible weight, accompanied by reductions in postage, will start a wonderful train of consequences.

How slow the world moves! People knew just about nothing in 1850, and now look at the improvements! But changes have only begun. The greatest revolution in business and society is yet to come. The factors that will work together to produce this revolution are: Agitation and legislation regarding high cost of living. Example set by mail order houses. Parcel post. Good roads movement. Manual training in schools. Proper experiments at state stations. Non-adulteration and correct weight laws.

The presidential campaign resulting in Wilson's election, the defeat of one great party and the elevation to power of another great party was largely waged on the tariff issue supposed to be intimately related to the high cost of living. Lowering of duties will have some effect, but not, however, as much as the supporters of Wilson hoped. The whole structure of the old system of getting products to the consumer will have to be radically changed before cost of living is lowered perceptibly. Not only will production be increased, in the near future, by the training school which will supercede much of the atrocious curriculum concerning which of late there has been so much dissatisfaction; but the really valuable experiments at the state stations, demanded and sure to come, will also assist production.

Then when the things produced reach the "ultimate consumer" in the new way, transportation and distribution will for the first time properly supplement production.

Bless us all! The old round about way of reaching the consumer is so fearfully awkward, costly and unscientific, that in a great many cases the producer now gets only one fourth or one third of the price the consumer has to pay. Transportation charges are not the principal trouble either. In the main they swell prices very slightly, comparatively. It is the pay of so many parties standing between producer and consumer that makes the high prices. If every part of the present machinery for reaching the consumer was no more in fault than the railroad charges, prices would never have soared to the skies.

The great fundamental idea of the new Twentieth Century Distribution System is that the producer must reach the consumer direct.

The utility poultryman is vitally interested in every movement that will bring the buyers of his eggs into more direct touch with him; when parcel post and the abolition of the middleman are fully developed. Live fowls, not pairs or trios merely, for breeding purposes, but good sized cratefuls for the food market, will be parcel posted. You can send a horse by mail in England. The good roads movement will assist. Uncle Sam won't grant a rural route, bye and bye, unless every foot of the way is a fine automobile road.

Before parcel post was established in this country, it was not economy for so many thousand miles on rural routes, carrying the light weight of a few letters and newspapers. A few small parcels could just as well be carried too. Everybody sees this plainly enough. Now, by the same token, the carrier can just as well drive two horses where he now drives one, and take along larger parcels and more of them, till the automobile crowds horses out. Manufacturers had better be studying up auto vans for rural routes, some to carry two-horse loads, and some to carry the equal of loads for four or more horses. Such vans have already been adopted in some cases for suburban mail routes, the numerous parcels having overloaded the carrier who was afoot.

Groceries should not go to the farmer, or to the city customer either, except to a limited extent, in a retailer's delivery wagon; but in a smart U. S. carrier's cart or van, having the right of way over every thing but the fire engine.

The P. O. in a small city ought to be as big a building as the department stores are now in large cities, and the inside workings of the two should show resemblance as far as the numerous packages are concerned; but instead of customers being in evidence the crowd will consist of clerks sorting for delivery to customers, who, both in city and country, are at their homes, and not obliged to leave their work to go to either the post office or the store. Sakes alive, how posterity will laugh at the bungling methods of the first part of this century, as we laugh at the painful dreary, time-taking methods of the beginning of the last century, when even so necessary a thing as fire was procured laboriously by flint, steel and tinder.

"But the retail stores being crippled, oh, how the country towns will languish!" say some people. Well, let them lan-

guish if they are in the way of progress. Just as the hand looms had to give way to power looms, and the sickle was kept for the museum, when the cradle and later the binder were invented; so every new step of civilization raises "Ole Nick" with something and somebody. That has always been the way and always will be. For one good thing the grocery egg biz, that reproach of modern life, will have to step down and out, and there is one consolation. Eggs will go by mail direct from producer to consumer.

But the country town will soon be left. Its character will be changed somewhat. The dentist's office will be there, the doctor's and lawyer's office and the railroad station, the school buildings with work shops and large farm attached for vegetables, fruit, dairy and poultry, the livery stable, and especially, the large garage and auto repair shops, and certain other things that parcel post will permit or actually stimulate.

The character of the town will change for the better. It



QUALITY KING
1st PRIZE COCKEREL, MADISON SQUARE GARDEN, DECEMBER 1911
OWNED BY ALDRICH POULTRY FARM, COLUMBUS, OHIO

will be more of a social center than now, instead of being a retail business center. The good roads which the enlarged rural delivery will cause to be built, and the universal use of automobiles will make farmers' families resort to the hall for lectures, movies, and concerts, in the small town as a regular habit. Children will begin to be really educated.

The four great things for which we spend money have been called "food and raiment, house and fire." Our food and clothing will be bought and delivered almost entirely by the new system, and our fuel, the liquid part of it also; but our houses involving the lumber trade, will be exempt from its influence, being left in the drayman's hands, such articles as wall paper, paint, and other minor things will, however, be included.

To expect the old order to go and the new to come immediately would be unreasonable. It will be a growth. But ten or fifteen years or so will tell the story. The change will come not by law (or only in part by law)—it will come by custom. Doing business by hired clerks at the retail store and sending out so many delivery wagons is too costly, that's what's the matter. Shipping direct saves labor.

Nothing can stop the new method. And if there is any one article, among the millions of articles civilization has made a necessity to man, woman and child, rich or poor, everybody being a consumer—it is eggs, and in the distribution of this article it is more important that producer shall ship directly to consumer than in case of any other article of universal use that can be named; because it is the only important sort of goods where looks give no clue to quality, and, on top of that, freshness is particularly desirable and deterioration rapid. The proper rules of the post office for parcel posting eggs, and the proper sort of case or box, will both have to come, for the public will demand same, or in fact, is already doing so.

In forecasting the approach of the new era, the inevitability of the best way, i. e., the labor saving way, should be recognized. The line of least resistance, the line of least cost, the "parsimony of effort" must be followed, and in the case under consideration is involved the sure decline and ultimately, almost the complete extinction of the whole tribe of middlemen, including drummers, wholesalers and retailers.

Just look at the war that has been waged for over thirty years by the country store, the country press, and the small city press, against the big mail order houses? What does it amount to? The mail order business grows by leaps and bounds simply because it is the most economical. You can't stop such a thing any more than you can stop the use of a machine that does away with hand labor. The mail order method will live, but it will be modified. Just as even that stupendous power, the press, cannot withstand the natural laws of business in the mail order instance, any more than it can annul the law of gravitation; so it will be powerless to stop posting direct from manufacturer to consumer, this being a great improvement over the mail order business as hitherto conducted.

In passing, would say that I care not a brass farthing for the present mail order firms except for the lesson they teach. Just as I care not for the rascally promotors of Texas land companies, except, since they are selling land, I want to have poultrymen (careful meanwhile about not getting cheated) come here, and make a co-operative association large enough to enable me to buy my supplies cheaper. The present mail order house is a hint merely. It will be compelled to undergo changes, because it now buys much of its stuff from the manufacturer. "Direct from the manufacturer to the consumer" must be the watchword, and of course this means also, direct from the farmer and the poultryman, dairyman and the raiser of fruit and vegetables, to the consumer.

The inspection by agent of government, can be carried out cheaply and effectually in securing unadulterated articles and honest weights, by having the officer stationed all the time at the big factory, right at the fountain head, before goods are parcel posted to consumers.

When transportation was new and raw, and production equally so, the elimination of the middle man would have been impossible. His coming was by degrees, and slow and stealthy. But now transportation has become almost perfected, scientific production is coming fast, and the fateful advent of the parcel post shows just what is going to happen to the middleman. The commission dealer, the wholesaler, and the retailer, must all go. The handwriting is on the wall.

The mail order houses have had a tremendous growth, simply because they could afford low prices. Sales and deliveries could be made by their method at less expense than the retail stores could possibly make them. They gave the example. A striking example, made on a scale sufficiently large to be impressive, and carried on for a sufficient time to be exceedingly instructive. It has taught beyond the possibility of doubt, that the slogan of the future sounded by the parcel post—"Sell direct to the consumer"—means manifest destiny.

A new institution will probably start up. I mean that a building full of samples of all sorts of non-perishable merchandise, with price labels attached, will be established at every county seat or sizeable country town in the land, by manufacturers, to facilitate parcel posting. The custodian, or curator, of what will be really a sort of museum, will have enough time on his hands to carry on what little retailing experience will show may be absolutely necessary.

* * * * * * * * *

'Tis said that "kind words will never die," but the vitality of humbugs often seems to exceed that of kind words or of anything good or sensible.

About sixty-five years ago phrenology had a great run, and the itinerant lecturer would call upon strangers in the audience to come forward to have him "feel their bumps" and describe

their characters. Bumps, big and little, were a matter of common conversation. "Ever had your head examined?" one person asked. "Never since I went to school," was the reply.

Now comes one Mr. Hooligan, who for a fee, or the price of his book, will tell you how to examine the bumps on a pullet's



Prize White Wyandotte cockerel at Indianapolis, 1913. Bred and owned by F. E. Skinner, Sandwich, Ill.

head and find out whether she will make a good layer or not! Great Jumping Jehosaphat!!!

One poultry paper probably with a view to a page or so of advertising bye and bye, has actually given this preposterous fake, a civil, lengthy, and half way commendatory notice in its columns! With a little idle curiosity I am waiting to see whether the rest of the poultry press will be enticed by the scent of the same advertising bait. Trappers use putrid meat for bait for coyotes. Some of the poultry papers would contract with Satan if he would pay well.

Try to teach a valuable principle or method; and only a select few will listen. Trot out a fake that is new, and the crowd will pay you a dollar apiece. If some chap will advertise, skillfully, a book which proclaims a great toenail discovery, he will make money faster than his honest neighbors:

"Cut the toenails of your wee chicks close off. This will keep them all their lives from scratching as much as they would otherwise. Scratching uses up strength that ought to go to the making of eggs. Your pullets will lay wonderfully, and you can send them, for competition to Storrs, Mountain Grove, New Zealand, Australia, or anywhere with full confidence."

Now once get the last paragraph by itself, started in some farm paper, and it will go the rounds as helpful advice. "Impossible that anybody with sense enough to hold a desk in a publishing office at all, should seriously reprint such balderdash," you may say. But stuff equally preposterous has been quoted again and again regarding poultry.

There has been pro bono publico, a museum called the "Chamber of Horrors," showing by pictures, and also models in wax, the ravages of tuberculosis; this to incite people to fight the great white plague. Now if another museum should be desired, to be called the "Chamber of Absurdities" just collect all the damphool statements regarding poultry, the "systems" only a dollar for the book, and the "cures," from horseradish to turpentine and electricity, and add all the secrets on sale, and the nostrums to "make hens lay," and the mixtures prescribed by learned men to compel them to "balance" their rations, nature having forgot to enable them to know what to eat, when she gave instinct to the wild birds regarding this matter. Add now, all the cranky notions, ridiculous conceits, "discoveries" and whimsies regarding poultry, and your Chamber of Absurdities will have to be larger than Madison Square Garden.

The horseflesh hoax was the earliest poultry hoax I ever knew. The papers seized on it with avidity. It was to the effect that one, M. de Sorra, located in the suburbs of Paris, kept some thousands of hens, feeding them on nothing whatever but horseflesh. For some reason or other this yarn seemed to charm the paragrapher. Perhaps as thousands of hens on the premises of one owner was a thing he nor his readers had never seen or heard of, the picture in his imagination, of such a wondrous flock, was quite exciting. There was not then, and never had been, a poultry farm in England or America, and many eyes were turned to France and M. de Sorra!

Finally a party in England, I forget who, went to Paris on purpose to sift the matter, and reported that there was no M. de Sorra and no big flock of poultry there, and none such had ever been heard of. His statement had at first a limited circulation, and the old M. de Sorra gag kept going the rounds for twenty years after its refutation was first published.

The next fake was as follows: Mr. Greyelin started a big enterprise in England in the late sixties and formed a joint stock company to push it, and wrote a book about it, American edition dated 1867. The scheme was to keep the fowls very closely confined in houses made largely of glass, with hot house plants and small trees growing in every other apartment for shade.

His enterprise failed before it was fairly established, but his book left one remarkable legacy to the paragrapher in the shape of a table of figures which was set before the public over and over for full forty years. It seemed that it would never cease. The table said that every hen was endowed with six hundred egg germs, no more and no less, and would form and lay a specified number of eggs the first year, so many the next year, so many the next, and so on, till the six hundred were all used up. How any sane editor could print such a preposterous statement I never could understand when it is a matter of common observation that, ages being the same, some hens lay more than others.

But anyhow, the old chestnut kept going the rounds till some



A prize winning White Wyandotte male as bred by A. J. Savacool, Box 6, Maud P. O., Cornwells, Bucks County, Pennsylvania.

two years ago, or such a matter, Prof. Pearl of the Maine Station, as told in this magazine a while ago, gave it a deathblow by setting an assistant, armed with microscope, at work counting the minute bodies, the "egg seeds" in the ovaries of different hens. There was no uniform number, and almost invariably there were a great many more than six hundred.



View of the great Madison Square Garden Show.
Chas. D. Cleveland, Supt.

The Great Madison Square Garden Show

The Most Brilliant and Largest Poultry Show Ever Held on the American Continent. Mr. Cleveland's Great Success, Royal Quality Classes in Most Varieties. *By H. P. Schwab*



THERE can be but one answer given relating to the twenty-fifth annual exhibition of the New York Poultry and Pigeon Association, held at Madison Square Garden, New York, December 26 to 31, 1913, and that is that it was the largest, greatest, most brilliant and most successful poultry display ever held, with a value to the Standard-bred industry incalculable. The gigantic garden was filled on the main floor, the galleries, and even the concert hall and restaurant were occupied. Not a nook or corner was vacant, but go where you would there was something to interest you, and that something was the best the world and its people have produced to date.

The decorations were simple and magnificent, with the American flag exclusively used; the entire ceiling was covered, and wherever it was possible to nail a flag or drape the galleries, boxes and walls it was done, making a beautiful display of the colors we love so well.

We do not wish to praise Mr. Cleveland specially. He does not require that, as his work speaks stronger than any of our words, but we do wish to compliment him and those connected with him. His efforts have been far more successful than even we could hope for. That he has the breeders with him is an assured fact, and that he deserves the confidence of all alike is also most true. He has led the way to better and greater things and throughout his entire work we can see his personal love for the fancy and his earnest desires to place Standard-bred poultry and the poultry industry in general on the highest possible plane. In the management of this show Mr. Cleveland follows a great man, and in no particular has he failed. Every success is due him, and we most heartily wish it to him.

The banquet was a feature of the week, while the Information Bureau was serviceable and its work of particular value to all. The postoffice department was also a feature and the writing and reading room met a long-felt want. We could not help but note the general sociable feeling displayed at this show. Everybody knew everybody and the season's best wishes were gladly handed around.

The "Fleas" were in evidence and two meetings were held and many new applicants admitted. This association's cause meets general approval and we hope for all poultrymen to join.

Among the birds entered here were several strings from England, including Capt. Max DeBathe, William H. Cook and Clem Watson. Entries were also cooped from California and from every section of America and Canada. The world's best were here to be admired.

Notable winnings were made by several exhibitors. Mr. D. W. Young's first prize S. C. White Leghorn cockerel was awarded the A. P. A. gold medal for best cockerel in the entire show. Mr. E. B. Thompson's winning of all five prizes offered on Barred Rock cockerels is a record unapproached. In White Wyandottes the winnings of A. J. Fell and Arthur G. Duston were features. In Partridge Wyandottes, Chas. H. Wood's record was a great victory. In this we should also mention the Aldrich Farm, Hugh A. Rose, M. F. Delano, the Yama Farm,

Frank McGrann, Frank Harbaugh and others, who also did things in their line.

The entries far exceeded those of any former show, and from our catalogue we take the following figures, with the display coops only estimated: Single entries in poultry, 2,584; in Bantams, 516; poultry pens, 1,320; Bantam pens, 100; displays, 750; ducks and geese, 226; turkeys, 51; pigeons, 1,893; rabbits, 134; cavies and mice, 65; canary and cage birds, 315; cats, 200; making in all a grand total of 8,154 specimens on exhibition.

Many important club meetings were held and the lectures and demonstrations were largely attended. It costs but little beyond time nowadays to get reliable poultry information. We heartily endorse the meetings and were pleased to see the numbers attending them daily, for it all stands for more and better poultry.

The poultry journals were well represented, the A. P. J. by President Jas. W. Bell, Editor Prince T. Woods, Artist Louis Stahmer, Mr. Anderson, Yours Truly, etc.

All around the entire Garden were displayed incubators, brooders, supplies, foods, and particularly the new coal heating brooders in all makes and styles. The gigantic Flea-Bill Bailey and Sally-Flea Howard Davis were both busy telling the natives how to hatch and feed chickens.

The attendance was the largest we have ever seen at a poultry show; filled to overflowing by delighted thousands is the best expression we can find for it. Sunday was a big day and afforded many the opportunity of seeing this great exhibit that could not have enjoyed it in any other way.

That our English cousins think well of the Garden show was evident here for Captain Max De Bathe, Wm. H. Cook and Mr. Clem Watson crossed the Atlantic with great strings of their favorites to exhibit here. They proved themselves royal good fellows and fanciers and we hope to welcome them yearly.

The Exhibitors and Their Winnings.

Mr. E. B. Thompson, with his "Ringlet" Barred Plymouth Rocks, established two new New York records by consecutive winning and by winning all five prizes offered on cockerels from first to fifth, both inclusive. Some years ago Mr. Thompson won all awards offered on pullets, a feat also unequalled and which stands today, as likely his new record on cockerels will for years to come. His complete winnings are: Cock 1-4, cockerels 1-2-3-4-5, pullets 5, pens 1-2-4, Spratt's cup for best Plymouth Rock hatched in 1913, gold special for best display, the Sun cup for best cock, hen, cockerel, pullet and pen; Harding cup for best pen, Club specials for best color and shape male and for champion male, President's specials for three best cockerels, for best cockerel and pullet, for best display, for best collection, and Robinson champion special badge for best Barred Rock male.

This stupendous record at this great show carries with it an assurance of quality and of breeding value in this line. The "Ringlets" were at their best, and they never had better birds to contend against. Mr. Thompson and his two sons, Valentine and Walter, were in constant attendance and receiving the compliments of the judges, breeders and visitors alike.

Mr. C. N. Myers, Hanover, Pa., whose "Lady Beautiful" won first prize hen here last year, came back and duplicated his record by again winning first prize hen. This year he also won hen fifth, pullets 2-3 and pen 3. This winning hen also won the championship special for best Barred Rock female. Mr. Myers now, with his two New York records and several at Philadelphia, Hagerstown, etc., has firmly established his line and placed it in the front ranks of the best winning female line (he breeds the pullet line only); in them he has the desired color and barring and good form with extra breeding value.

The Yama Farms, with Mr. Newton Cosh in charge, won well on both their lines: In Barred Rocks, cock 3, hens 2-3-4, pen 5. In Barred Rock specials the Yama Farms won special for best shaped female and special for best cock and hen. In S. C. Black Minorcas, cock 1-3, hens 1-4-5, cockerels 3-4-5, pullets 3, pens 1-3, and several specials. This Minorca class was the best in general quality we have seen here. Mr. Arthur Trethaway was a happy man, for in this win he deserves much credit.

Mr. C. H. Latham won first pullet, also fourth and color female special.

Neither C. H. Welles nor Henry D. Riley was exhibiting this year. They both have won their honors here, but we expect to see them back in the future.

Mr. Maurice F. Delano, successor to Owen Farms, was here both as a judge and as exhibitor, showing White Rocks, White Wyandottes and Buff and White Orpingtons. In all his varieties he was well placed and winning a grand good record for this show. When we consider also the winning birds he has sold this season we can well say there is no limit to his quality. In White Rocks he won cock 2-4, hen 1-5, cockerel 5, pullet 1-5, pen 1-5, best display and champion female special. In Buff Orpingtons, cock 2-3, cockerel 2-3, pullet 1-5, pen 3-5 and specials. In White Orpingtons, cock 5, hen 2-5, cockerel 5, pullet 1-3-4. The general character of this line is better year by year. Mr. Delano is a worker and deserves the best we can give him.

The Mirimichi P. F. won first cock, cockerel 2-4, pullet 2, pens 3-4, with a classy line of birds. They also breed Reds and made a good showing here.

The Rancocoas Poultry Farm, Browns Mills, N. J., exhibited a few of their White Rocks and won hen 3-4 and cockerel 1. In these they seem unbeatable, having won first prize cockerel at both New York shows and three others this season.

The Hamden P. Y. won cock 3-5 on two fine strong birds shown in excellent condition. They were birds of quality.

Mr. J. D. Koons, Treichler, Pa., one of our oldest White Rock breeders, won cockerel 3, pullet 3.

Buff Plymouth Rocks, an unusually large and fine class, in which Mr. John W. Poley, owner of the Linfield Poultry Farm, Linfield, Pa., won his usual yearly record of cock 2, hen 3, cockerel 1, pullet 2, pen 1-4, and specials with best display, etc. His winning pen and cockerel were the class of the exhibit, fine in form and most excellent in color both surface and under.

Mr. Fred Armer won cock 1-3, hen 1-4, pullet 1-4 and pen 3, with a choice line of quality birds.

Silver Pencilled Rock awards all went to the Bonapart P. Y. They also won in Partridge cock 5, hen 2-3, ckrl. 3-4, pullet 3-5.

Paul Klingbeil winning cock 2, hen 1, pullet 1, pen 5.

Besuden Bros., Cincinnati, O., won cock 3-4, hen 5, cockerel 5, pullet 4, pen 3.

The Partridge Rocks at this show are not complete without Bird Bros., Meyersdale, Pa., they having sold in the single classes exhibited but two exhibition pens and won 1st and 2nd. Both their pens were masterfully mated, of grandest quality; the males, in form, color and markings, were superior and most beautiful; the females matching perfectly and of rarest type and quality. In Bronze turkeys, Bird Bros. almost outdid themselves. We can't believe that we have ever seen a better lot in competition before and their record here is a credit in fact. Cock 1-2-4, hen 1-3-5, cockerel 1-2-3-4-5, pullet 1-2-3-5; bear this in mind.

The Wilburtha Farms, Trenton Jct., N. J., with the "Midget Flea" W. D. Campbell in charge, won in Columbian Rocks, cock 1, hen 1, cockerel 3, pullet 1-4. This pullet we have placed before and is a bird of value.

Mr. S. W. Bradley, Lime Rock, Conn., one of the early breeders of this variety, won cockerel 2, pullet 3 and pen 1.

Silver Wyandottes, a grand class, with R. G. Williams, J. Reepmeyer, Jr., J. F. Hughes, Millspaugh & Decker and L. H. Brown the leading winners.

In White Wyandottes, with the leading breeders showing, it was close picking, quality was everywhere abundant and, as in years past, honors fell to Mr. A. J. Fell, West Point, Pa. Here he won cock 1, hen 1-3, cockerel 2-3-4, pullet 2-5, pen 1, special for best display, etc. It was a most worthy exhibit; the winning cock a wonder in form, condition and general quality, finish of tail and head exquisite. First pen finished and seen at their best; all were alike and of the very choicest in quality. There is special quality and character to this line, which they have stamped as features to this New York class. In their four years of exhibit here they have made a record of value that will stand well with time.

Here this year Mr. Arthur G. Duston made one of the best records of his long career. Most anyone can win if the other fellow is not showing, but they were showing here and it was the grandest quality fight ever staged. Mr. Duston won cock 2-3, hen 4-5, cockerel 1, pullet 1-3-4 and pen 5, with specials. The value of this win centers around his two first prizes on young birds, and we can well include cocks also, for those who saw this class can well understand that the best credit we can

(Continued on Page 289)

Madison Square Garden Poultry Show

Nearly Eight Hundred Exhibitors Represented and Six Thousand Birds Cooped. The Largest Show Ever Held in the Garden.

By Prince T. Woods, M. D.



THE largest and best poultry show ever held in Madison Square Garden is the record for the silver jubilee of the New York Poultry and Pigeon Association. The weather was fine throughout the show, the attendance unusually large and the gate receipts must have been very gratifying to the management. The show dates, December 26th to 31st, inclusive, carried the show over the Sunday following Christmas and on Sunday afternoon the big hall was crowded with visitors. The twenty-fifth annual show was a great success.

Secretary-superintendent Charles D. Cleveland is to be congratulated on his admirable work in building so well on the firm foundation which former Superintendent Crawford established in so many years of fine Madison Square Garden shows. The Garden Show has always and will always be the Garden Show, the ruts are worn deep and the big machine travels well and easily along the well worn lines, but it is a big show, a good show, and one well worth attending for both pleasure and profit.

The 1913 show was very much like those which have gone before, practically the same arrangement of exhibits, which seems to be particularly adapted to the Garden exhibition hall, the same double tiering of exhibits, the same crowded and limited displays by manufacturers of incubators and poultry supplies and the same densely packed crowds in narrow aisles. It makes one wish there were more desirable hall space available and a better chance to view exhibits.

One need only visit the Garden Show to realize the great and widespread interest in standard-bred poultry, not only the great crowds of visitors, but the hosts of exhibitors who flock to this competition of fine specimens from all parts of our great and wonderful country and from the other side of the "herrin' pond." Some six thousand birds were cooped at this show, eclipsing all previous records. Nearly eight hundred exhibitors were represented in the competition. That means a big show and particularly does it mean a BIG INTEREST IN POULTRY, for, mind you, most of these exhibitors had to sacrifice a part or all of the world's greatest home holiday of the year in order to be represented at a show, which began promptly on the day immediately following Christmas.

It seems to us that poultry shows are growing cleaner and better with each year. At this New York show the machine of the management seemed to be working better and with less friction than ever before, there was less complaint and kicking by exhibitors, the crowds as a whole were more orderly and showed greater interest. The specimens exhibited were unusually fine. Throughout the show, the hall was a bit overwarm and some fine birds in the end of the building farthest from the main entrance were exposed to chilling drafts, now and then, by opening of the big doors for teams near the express office. On the third day we noted a large number of fine specimens exhibiting symptoms of severe colds, which we believe resulted largely from these sudden and chilling drafts in an overheated hall. It should be prevented another year.

The judges of poultry at this show were:

Henry P. Schwab, Irondequoit, N. Y., Barred Plymouth Rock pens and cockerels.

A. C. Smith, St. Paul, Minn., Barred Plymouth Rock cocks, hens and pullets.

A. C. Hawkins, Lancaster, Mass., White Plymouth Rocks.

T. F. Rigg, Iowa Falls, Iowa, Creve Coeurs, La Fleche, Red Caps, Houdans and any other variety.

George P. Dearborn, Blairstown, N. J., S. C. Rhode Island Reds.

Wallace R. Pierson, Cromwell, Conn., R. C. Rhode Island Reds.

Dr. A. T. Beckett, Salem, N. J., Silver Laced Wyandottes.

Charles Nixon, Washington, N. J., White Wyandotte cocks, hens and pullets.

J. W. Andrews, Dighton, Mass., White Wyandotte cockerels and pens.

F. L. Sewell, Niles, Mich., Langshans.

J. F. Van Alstyne, Niverville, N. Y., Columbian Wyandottes.

John C. Kriner, Stetlersville, Pa., water fowl and turkeys.

J. H. Minnshall, London, Ont., Minorcas.

Geo. L. Young, Brooklyn, N. Y., ornamental bantams.

Arthur O. Schilling, Rochester, N. Y., Faverolles and Black Wyandottes.

J. C. Funderford, Freneau, N. J., Buff and Black Leghorns.

George H. Burgott, Lawtons, N. Y., Brown, Silver, Blue and any other variety Leghorns.

Irving F. Rice, Cortland, N. Y., White Leghorns.

W. G. Minich, Carlisle, Pa., Game bantams and Polish, except White Crested Black.

Chris. Kirschler, Newark, N. J., White Crested Black Polish.

W. B. Atherton, Randolph, Mass., Hamburgs and American Dominiques.

Richard Oke, London, Ont., Buff and White Orpingtons.

Maurice F. Delano, Vineyard Haven, Mass., all other Orpington.

J. H. Drevenstedt, Buffalo, N. Y., Cornish: Golden, Partridge and Silver Penciled Wyandottes; Silver Penciled and Partridge Plymouth Rocks and Javas.

F. L. Platt, Toledo, Ohio, Campines and Dorkings.

James Glasgow, Mahwah, N. J., exhibition games.

J. H. Wolsieffer, Vineland, N. J., Buff Wyandottes, Buff and Columbian Plymouth Rocks and Buckeyes.

W. J. Stanton, New York City, Light Brahmas and Anconas.

Hugh A. Rose, Welland, Ont., Cochins and Dark Brahmas.

Newton Cosh, Napanoch, N. Y., Blue Andalusians and Spanish.

Dr. H. P. Clarke, Ashville, N. C., Pit Games, Silkies, Sultans, Frizzles, Lakenvelders, Sussex, Sicilian Buttercups, Sumatras and Black Red Malays.

One of the big feature interests of the exhibition was the poultry institute conducted in the lecture hall. Seating capacity was crowded at these lectures, both afternoon and evening. Evidently poultrymen, and the public generally, are very eager for practical information about all branches of poultry husbandry. Eighteen specialty clubs held their annual meetings during the course of the show. On Friday evening an informal luncheon was served by the management to exhibitors and friends. It was an enjoyable affair and did much to promote good fellowship.

The judging was completed on Saturday at noon and there was very little adverse criticism. One "old-timer" said to us: "Whatever criticism any one may have to make concerning the judging at this show, at least will have to concede that it is honestly done. Such mistakes as have been made are undoubtedly the result of enthusiasm and inexperience." As he had over forty years experience with fancy poultry and had attended all of the Garden Shows, we believe his comment worthy of a place in this report.

Judge Schwab was enthusiastic about the Barred Plymouth Rocks and told us that classes showed some of the finest specimens ever brought together. Judge Arthur Smith seemed a bit disappointed in the cocks and hens in this variety. We don't pretend to distinction as a fancier or judge of fancy poultry and we were mighty well pleased with E. B. Thompson's winning Barred Rock pens and five ribbon winning cockerels. In fact, we found specimens that pleased us well both in and out of the ribbons in all classes of this variety.

White Rock classes were good. Maurice F. Delano's first pullet was one of the best we have seen. Taking these classes as a whole there were many fine specimens both placed and unplaced.

Buff Rock classes were good and well filled. Nevertheless, to an unprejudiced observer there is getting to be a striking similarity of type between exhibition Buff Rocks and Buff

Orpingtons. It is a pity that breeders do not strive more for distinctive breed type, not only in these varieties but in all varieties.

Taking the buff breeds as a whole at this show, and some of the other varieties, one cannot help feeling that the A. P.



Third prize Rose Comb Rhode Island cock, Chicago, December, 1912. Bred and owned by The Buschmann-Pierce Red Farms, Carmel, Ind.

A.'s voting symmetry out of the standard is already beginning to be taken seriously by both exhibitors and judges. One veteran judge said to us: "By George! It's getting so, that after 40 years with poultry, when I walk down the aisles of the Buff classes I have to look at the legs of the birds to tell whether they are Rocks or Orpingtons."

It is a pity to drop symmetry, for symmetry is a necessary part of type and we very much need distinctive breed type following through all varieties of every breed. Without type and symmetry we will lose breed.

Judge Drevenstedt told us that the Partridge Plymouth Rocks were some of the finest he had ever handled. Grove Hill's first cock and cockerel he considered models in type and good in color. Paul Klingbeil's first hen and first pullet were fine in color, penciling and type. Bird Bros.' first pen "Drev." found well mated and good in shape and color.

Other Plymouth Rock classes held good birds, though entries were few in number.

Competition was keen in the White Wyandotte classes. There were some mighty fine birds in and out of the winnings. First honors in cock and hen went to A. J. Fell. First cockerel and pullet were Arthur G. Duston's.

Partridge Wyandottes were at their best in the male classes. Buff Wyandottes were good in all classes, but under the ribbons showed apparent indecision in color and type on part of the judge. Columbian Wyandottes were well filled classes and some fine birds. Silver Wyandottes fairly well filled classes and some excellent specimens. Goldens, small classes but good. Silver Penciled Wyandotte classes fairly well filled with good ones. Black 'Dottes good.

Rhode Island Reds, both combs, showed a lot of fine birds in all classes. Brahmas were unusually strong at this show. Buff and Patridge Cochin classes were fairly filled and excellent birds shown. Other Cochin classes poorly filled. Langshans were moderately filled classes and quality about average with past seasons.

White Leghorns made up hot classes with a lot of good ones. D. W. Young's winning cockerel was probably the best ever seen in the Garden and was a wonder at natural posing. He seemed to be expecting to have his picture taken any minute. Brown Leghorns, strong classes of good ones. Buff Leghorn classes well filled. Other Leghorns fairly well represented.

Black Minorca classes well filled. Females better than the males. Quality in male classes not quite equal to average of former years. Black Spanish classes well filled. Andalusians, a fair showing.

Hot classes in both S. C. and R. C. Ancona classes. There were plenty of good birds in and out of the ribbons. H. Cecil Sheppard's first R. C. cockerel was good all over—and we had him out of the cage.

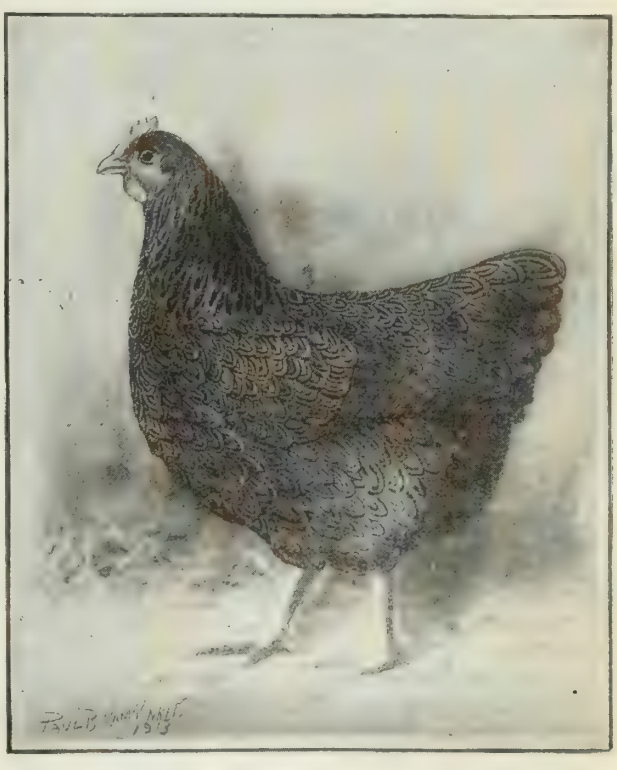
Silver Grey Dorkings showed up well and there were some fine birds in the lot. This is a fine old English variety and deserves to be boosted more into popularity.

Buff Orpingtons were fine classes. Blue Orpingtons were unusually fine and some of the English birds were wonders in frame, size and shape. Black Orpington classes were well filled with good ones. White Orpingtons good in numbers and quality.

F. D. Baerman's White Houdans were well worth looking over. We understand that this new variety has been developed in only three years. Wonderfully good type and head points distinguished the winners.

Dark Cornish were remarkably strong in type and color in both English bred and American bred birds. Most specimens were fine, big bodied, big thighed, big legged, heavy specimens. Cornish breeders announce that they are determined to boost their favorites into greater popularity. It is commonly believed that hens of this variety are sluggish layers, but the breeders say that is not so. We can see no reason why Cornish cannot be bred to be excellent layers if proper attention is given to selection, and there can be no question of the value of Cornish as a meat breed.

Elsewhere in this Journal will be found a detailed report on the winners at this show, we have not space for further comment here. It was a good show, a great show, and one well



First prize Partridge Plymouth Rock pullet, Chicago Coliseum show, December, 1913. Bred and exhibited by Bird Bros., Meyersdale, Pa. This firm made the greatest winning on Partridge Rocks ever made at Chicago.

worth going many miles to visit, but we do wish there was some way to do away with the double tiering of exhibits and to get better light on them. It does not seem possible to do better in the old Garden, and, after many years of talk of "farewell to the Garden," it now looks as if we might meet in that historic old building for years to come.

Biggest, Best and Busiest Boston Show

Greatest Poultry Show Ever Held in America—Nearly Eight Thousand Specimens on Exhibition—Record Breaking Attendance. *By Prince T. Woods, M. D.*



THE 1914 Boston Show has made history as a record breaker. It was the biggest, best and busiest Boston Show of record, the eighteenth annual event of the Boston Poultry Association, and was conceded by all the veterans to be the greatest poultry show ever held in America.

There were nearly eight thousand specimens on exhibition, a wonderful increase over the 1913 entry. The weather man even furnished a record-breaking collection of New England winter weather, such as has not been experienced in Boston in many years. On Monday of show week as the birds were arriving, after a long period of mild winter weather, came a sudden cold windstorm of unusual severity. Monday night was cold, with a howling, icy gale, and Tuesday, opening day, was ushered in with the worst winter gale recorded in Boston for seven years. Railroad traffic was tied up all around the city and even the suburban locals were from three to seven or more hours late. North of Boston traffic was practically suspended for half a day. Tuesday night the lowest official temperature recorded was 17 degrees below zero, with an eighty-mile wind, and in the suburbs temperature records were reported as low as 40 degrees below zero. So sudden and severe was the onset of this icy gale that heating plants were slow in responding to the demands made upon them and much trouble was experienced all over the city. The mammoth poultry exhibition hall in the Mechanic's Building was cold to the point of discomfort on Tuesday, and it was not until evening that the management was able to get the heating in hand by putting on a special corps of furnace men. Wednesday the weather began to moderate, traffic difficulties were adjusted, and the balance of show week had very comfortable New England January days.

In spite of these unusual conditions the attendance on Tuesday and Wednesday was unusually good. Thousands of people braved the icy wind to come to the exhibit and not a few of the exhibitors were touched with frostbite on Tuesday. Thursday and Friday were days of record-breaking gate receipts and the hall was crowded. Saturday's big crowd included a host of school children. Visitors showed the greatest interest in all exhibits and there was every indication that public interest in standard-bred poultry is decidedly on the increase.

The exhibition hall, though crowded as never before by a poultry exhibit, was well arranged, beautifully and tastefully decorated, and all exhibits displayed to advantage. Pretty much everything of interest in the poultry line, from a bantam to an ostrich, was on exhibition. Displays were well placed and were made more attractive by the use of evergreen trees in the decorations.

The booths of manufacturers and dealers in poultry supplies and equipment of all sorts were many more in numbers, attractive and well arranged, though in some instances more crowded than in former years. No provision was made for poultry journal booths and publication representatives had to content themselves with little stands at the aisle ends scattered about the hall. We believe it would be a good plan to require each magazine to provide a neat booth and to have these scattered about the hall even more than they were this year.

Among the poultry equipment displays which came in for the greatest demonstration of public interest were the various portable poultry houses and coops, the small and mammoth incubators, the large colony brooding stoves, and the feeders and hoppers for self-feeding of poultry. Labor saving devices of all kinds held the attention of the crowds and there was ample opportunity for comparison of the many lines of galvanized iron poultry equipment.

Fanciers did a good business in sales of breeding stock and in booking orders for eggs for hatching, and there was plenty of evidence that this year will witness a surprising demand for day-old chicks. We talked with a number of "old-timers" and were glad to find many of them taking a very active and healthful interest in modern developments in the poultry business. We look for a number of well known fanciers, who get long prices for hatching eggs from their best stock, to develop a trade in baby chicks from their best matings. It ought to be easier to get $20 for a dozen well-hatched sturdy chicks from a special mating than $10 for a setting of eggs from the same mating, and, with proper attention given to filling all orders carefully and well, there ought to be less trouble for the seller and less complaint from the buyer.

Wednesday was "Veteran Fanciers' Day" and breeders who have been in the fancy poultry business for 20 years or longer were the guests of the management. These upbuilders of modern poultry business were feasted, and many were the reminiscences of the early days and stories of the development of the valuable poultry of today.

Those present were I. K. Felch of Natick, 80 years old; Charles L. Seely of Afton, N. Y., 75 years; Dr. S. Lott, Bellona, N. Y., 71 years; J. D. Jodroy, Danvers, 70 years; Frank L. Fish, Taunton, 66 years; George F. Eastman, Northampton, 66 years; Frank C. Nutter, South Portland, Me., 61 years; F. B. Breed, Clinton, 79 years; H. B. May, Boston, 82 years; C. W. Richardson, Appanaug, R. I., 71 years; H. F. Felch, Natick, 75 years; W. H. Sylvester, Brockton, 66 years; Frank Johnson, Indianapolis, 64 years, and C. B. Travis, Brighton, 61 years.

The utility poultry exhibit, live breeding fowl representing stock kept exclusively for market meat and eggs, the capons both alive and dressed, the displays of broilers and roasters, and both chicken and fowl canned in glass jars, and the fine exhibit of eggs, in the lower hall, came in for a large share of the attention of visitors. Prof. J. C. Graham of the Massachusetts Agricultural College was in charge of the utility exhibit and also of the college exhibit which occupied the same room. He was kept busy all the week by great throngs of people seeking poultry information.

There were nearly two hundred live birds shown in the utility classes, and the number would have been much greater had utility poultrymen generally understood that there was $500 up in cash prizes and no entry fee. It was a very good beginning for a practical department of a poultry show and one out of which much good should grow. With the right sort of advance work on the part of the college and local poultry associations, this utility show ought to have fully a thousand specimens on exhibition another year. We would like to see the birds in mated pens and allotted liberal, comfortable floor space after the manner of the Atlantic City summer show.

The college exhibit included charts showing comparison of the outlines of the various Standard breeds; plans, photos, and specifications for poultry buildings and equipment, diagram charts of digestive and reproductive organs of fowl, and one big chart with the slogan: "There is room for you in the poultry business. Massachusetts consumes $25,000,000 worth of poultry annually. Massachusetts produces only $5,000,000 worth of poultry annually." The whole college and utility exhibit was featured as an object lesson and it was a good one. We hope that next year our Uncle Sam will be induced to bring his moving pictures of practical poultry husbandry to

Boston Show and devote a special institute week to the poultry movies. It would be a big drawing card and do a deal of good. Also we hope to see a bigger display of dressed poultry and eggs and all exhibits specially labelled so that the public can know what they are looking at. With the fine display of dressed stock and big collection of fine eggs it was a pity not to have each lot bearing identification marks.

Right here, we want to congratulate Secretary-Manager "Billy" Atherton on the wonderfully well-conducted work of managing this greatest poultry show of America. It was a mighty big undertaking and most ably managed. His unfailing courtesy and good nature kept all the mechanism of the big show working smoothly, and this mammoth show will go on record as a fine example of good sportsmanship, good fellowship and friendly rivalry between breeders and fanciers. Any suggestions made in this report are not for the purpose of criticism, but are made with a desire to help the "Old Glory" Boston Show of 1915, which will come on January 12 to 16, 1915, to eclipse even this big event of the present year. We heartily wish there were more W. B. Athertons in the poultry show business all over this country—it would be good for the business, and we trust that "Billy" will live long, prosper and continue to make Boston stand out as a good fanciers', good fellowship poultry show. May the Atherton type increase.

The judges of poultry at Boston Show were:

Wm. Armbrust, Armbrust, Pa. Polish.

C. S. Byers, Hazelrigg, Ind. Orpingtons.

C. A. Ballou, Worcester. S. Penciled and Partridge Plymouth Rocks and Lakenvelders.

Dr. H. P. Clarke, Indianapolis, Ind. Thoroughbred Games, Malays and Sumatras.

W. H. Congdon, Oaklawn, R. I. Ornamental Bantams.

W. H. Card, Manchester, Conn. Rhode Island Reds, American Dominiques and Exhibition Games.

M. H. Coffin, Roslindale. Partridge Wyandottes and Pheasants.

M. L. Chapman, Brown's Mills, N. J. White Plymouth Rocks and Campines.

Charles D. Cleveland, Eatontown, N. J. Buff and Blue Leghorns and Blue Wyandottes.

Frank Conway, Welland, Ont. Dorkings.

George W. Dakin, Roxbury. White Wyandotte Cockerels and Pens.

W. H. Fitton, Worcester. Game Bantams.

C. S. Flanders, Concord, N. H. Golden Wyandottes.

John Kriner, Stettlersville, Pa. Waterfowl and Turkeys.

W. G. Minich, Carlisle, Pa. Hamburgs and Black Wyandottes.

Richard Oke, London, Canada. Langshans, Minorcas, Silkies, Spanish, Creve Cœur, La Fleche and Sussex.

D. Lincoln Orr, Orr's Mills, N. Y. Columbian Wyandottes.

Frank L. Platt, Toledo, O. Columbian Plymouth Rocks and Cornish.

W. A. Russell, Ottumwa, Iowa. Barred Plymouth Rocks.

H. N. Rollins, Woodville. Light Brahma Cocks, Pullets and Pens.

F. W. Rogers, Brockton. Dark Brahmas, Brown and Duckwing Leghorns.

Eugene Sites, Elyria, Ohio. Buff Wyandottes, Buff Plymouth Rocks and Anconas.

H. P. Schwab, Irondequoit, N. Y. Red Caps, Andalusians, Faverolles and Frizzles.

D. P. Shove, Fall River. Houdans.

H. William Scott, Barre, Vt. Buttercups.

C. J. Titus, Maplewood. White Wyandotte Cocks, Hens and Pullets.

C. A. Wheeler, Brighton. Silver Penciled Wyandottes, Light Brahma Cockerels and Hens.

Geo. W. Weed, E. Lee. Cochins, Javas and Buckeyes.

H. Wolsiefer, Vineland, N. J. Silver Wyandottes, White and Black Leghorns.

Judge of dressed poultry and eggs: Geo. V. Fletcher, Belmont, Mass.

As this report is rushed to catch the last forms of the February issue, we have little space for detail here and it would take a great deal of space to tell the whole story of the Boston Show. Henry P. Schwab will describe the winners in his report in our March issue.

Light Brahmas showed good classes, a few fine birds, but the run of the classes a little behind those of former years. Awards well and conscientiously placed and some very excellent birds in first and second places. Dark Brahmas medium sized classes and some fine birds.

Buff Cochins medium sized classes of good ones. Partridge Cochins, two fine displays of males and females that come from an old line of Boston winners. Competitive classes well filled with some fine birds, but these classes need a little more of



S.C.R.I. RED PULLET WINNER OF FIRST PRIZE SYRACUSE STATE FAIR 1913 ALSO WINNER OF SHAPE AND COLOR SPECIAL, BRED AND OWNED BY HOUCK & ALT BUFFALO N.Y.

the old-time painstaking effort put into them. Other classes fairly well represented. Langshans, good sized classes and some excellent quality.

Barred Plymouth Rocks, good sized classes and fine birds. We were glad to see that A. C. Hawkins and the Grove Hill Poultry Yards, both made displays showing pens mated for pullet breeding and for cockerel breeding. Shows help beginners and have great educational opportunities. We hope more breeders will exhibit display pens mated for results. Exhibition pens mated for competitive exhibition mislead the beginner; pens mated for breeding would prove a valuable object lesson. Open classes for pullet-bred and cockerel-bred birds were interesting and a good feature.

White Rock classes large and a lot of good specimens. Buff Rocks, some very fine birds and some only medium in quality. Partridge Rocks, well filled classes and some comers among them getting closer to the real thing in type and color. Columbian Rock classes quite well filled, but most specimens not well conditioned for the show. Quality very good, but washing

would have helped many of them. Other Rock classes fairly well shown.

Silver Wyandottes good classes and some fine birds. Blocky type birds of good original Wyandotte shape in the winnings. White Wyandottes, big classes with an abundance of fine quality all along the line. Buff Wyandottes, good classes of good ones. Columbian Wyandottes, very good classes, some very good birds, particularly those in the blue, and some not so good. Most of the specimens shown would have been greatly improved by conditioning and washing. Good classes of good ones in Silver Pencilled 'Dottes. Partridge classes small.

American Dominiques very well represented and the winners consistently bred to the real old Dominique type. They seem to be coming again fast.

Rhode Island Reds, both combs, were fine, well filled classes of good ones. W. H. Card said of the Reds that he never handled a finer lot of birds. Good quality all through the classes.

Dorking classes in Silver Greys quite well filled and some fine birds. Other Dorkings single entries of Canadian stock.

Buff Orpington classes well filled, quality good; Blacks, same comment. Blue Orpingtons, good classes, some good ones, but as a whole not up to the quality of Madison Square Garden exhibits.

White Orpingtons, good classes and some excellent quality. Other Orpingtons few in numbers.

Buckeyes showed well filled classes. Brown Leghorn classes good in size and quality. White Leghorn classes good sized, with a wide range in quality. Buff Leghorns, fair classes with some good ones. Other Leghorns promising.

Minorcas well shown in Blacks. Andalusians, small classes and some good ones. Black Spanish made a brave showing in numbers, but many birds looked out of condition from overshowing. Houdans, big strong classes for this variety, and a lot of good ones. White Houdans a brave showing of good ones. Blue Houdans have also arrived, one in each class.

W. C. Black Polish, a fine showing in all classes of some very fine birds. Other Polish well represented. In fact, there was a grand display of crested varieties all along the line.

Hamburgs, good classes. Campines, moderately filled classes, but some good quality. Buttercups made a strong showing; we can understand how this variety can be boomed as egg producers, but we wonder who the joker is that started a boost for them as a market breed.

White-Laced Red Cornish made a big brave showing of good birds and certainly reflect much credit upon their originator.

White Faverolles, though few in numbers, attracted the attention of a number of roaster growers who are looking for a big, quick-growing fowl. Clean legs on this variety would help popularity in this direction.

Water fowl and turkey classes well filled with good ones. Bantam lovers found plenty little beauties in Bantam classes. The display exhibits all through the hall were good and set off the balance of the show to good advantage. Even the lone and somewhat the worse for wear African ostrich at the main entrance was the recipient of much attention.

It was a great show, the greatest ever, and one to be long remembered. "Billy" Atherton says the "Old Glory Show" in 1915 is going to eclipse this one, and he has already begun the work. He will have to hustle some to beat the 1914 show, but then friend Winthrop knows how to hustle. Prosit!

Selection and Mating of Silver Campines

Only a Few Americans Have Had Any Experience in Mating Campines. Many Will Mate Their First Pens This Season.

By Chas. A. Simmonds, Camp Point, Illinois



THE standard-bred Campine is a hen-feathered bird, the color pattern for the male being the same as that of the female and thus they do not require double mating.

To properly mate, one must first have clearly in mind the ideal bird which he is striving to produce, and there is still much difference of opinion even among leading judges and breeders as to just what the ideal or perfect Campine is. Owing to some mistake in the application, the Campines were not admitted to the Standard at the last meeting of the A. P. A. Had they been admitted, judges would have been bound to follow the standard, and we would thus have had more uniform judging. However, the American Campine Club has issued a standard which the best judges are following, and which represents the ideal of the average breeder, nearly every member voting to accept it.

In judging Silver Campines, a bird with squirrel tail or one that is not a typical Campine, should never be given a place simply because it has good color or because there are no better birds in the class. In shape and size the perfect Campine is mid-way between the Leghorn and the Minorca. The comb of the female should conform exactly to the standard description for a Leghorn. The comb of the male differs, however, from that of the Leghorn, the blade proceeding slightly under the horizontal and following the shape of the head. The wattles and earlobes should be of medium size, smooth and fine in texture; neck, medium length and nicely arched. The back should slope slightly towards the tail, the top line being straight until it approaches the tail, where it shoud be slightly concave, just enough to cover any angle between back and tail.

The Campine is not a loose feathered bird and a broad back is not desired, however, it should not be narrow across the shoulders. The tails should be carried at the same angle as those of the standard Leghorn. A male whose tail is devoid of sickles and long coverts should be severely discounted in placing the awards. The breast should be prominent and well rounded.

The Campine has more and longer feathers in proportion to its size than any other bird with which I am familiar, but its neat, trim appearance is secured by the feathers lying close to the body. This is quite an advantage, making them able to withstand severe cold. The legs are an important section, plenty of station is what is wanted, the thighs and shanks being rather long, and the latter round and smooth, the toes long and slender. This is the type of Campine that will uphold the breed's reputation as everlasting layers of the heaviest, whitest eggs, and the lightest eaters in poultrydom.

Size is a very important section if we are to uphold this reputation, standard weight birds (cocks, 6 lbs.; cockerels, 5 lbs.; hens, 4 lbs.; and pullets, 3½ lbs.) are ideal. We must maintain the size of the bird if we would maintain the size of the egg. However, birds of excessively large size are undesirable, as they are not so early maturing; are too coarse in type, and do not lay any larger eggs than the medium or standard sized birds.

The plumage pattern of the Campine is unlike that of any other breed. The standard calls for slate undercolor, and as all true Campines have slate undercolor, the breeder is not handicapped in producing brilliant surface color by having to produce an exact shade of undercolor, or "barring to the skin." In surface color the neck hackle should be pure white and the rest of the body barred black and white, the black bars being four times as wide as the white, except on the breast, where they should be of equal width, the white bars narrowing as they approach the shoulders and thighs so as not to form any break in the barring and spoil the right barring so much desired. The black bars must have a rich green sheen—the more luster the better.

Having the ideal shape and color clearly in mind, the breeder is now ready to mate his birds in an effort to produce it upon

their progeny. In selecting your breeders, reject all birds having disqualifications, much red in the earlobes or red eyes. A red eyed Campine contains Hamburg blood or other foreign blood, all true Campines having large, dark brown eyes.



FIRST W.W. PULLET INDIANA STATE FAIR INDIANAPOLIS, SEPT. 1912. BRED AND OWNED BY SHERMAN BOWDEN, MANSFIELD, OHIO

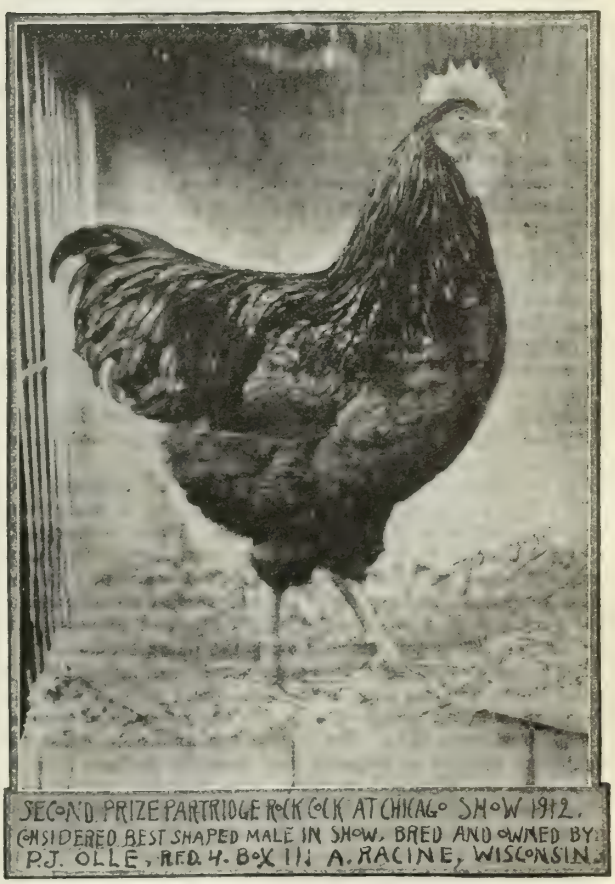
If you would make rapid progress towards the ideal, breed nothing but the best. A pen of four or five "stars," is far more valuable, and will produce many more dollars' worth of progeny, than dozens of pens of ordinary quality. The greatest breeders owe their success to careful pedigree breeding, using trap-nests or mating in pairs or very small matings of high-quality and evenly matched females.

Having decided upon the females from which you desire to breed, divide them into pens according to color, placing all standard-colored birds in one pen; those a little darker than standard in another, and the lighter females in a third pen, etc. You are now ready to select the males to head these pens. The general rule in mating is to select the male strong in the points wherein the females are weak, and while this is correct in regard to combs, shape, etc., the rule has restrictions when it comes to mating for color. For instance if one has a pen of coarsely barred females and would mate with them a fine or narrow barred male, in an effort to refine the barring of the females in the progeny, he would meet disaster in intermediate barring and mossiness. The same is true in mating a male that is much lighter or darker than the females to which he is mated.

To illustrate, suppose you have selected three pens of females. Pen No. 1 contains your standard colored birds, the black bars (except breast barring) four times as wide as the white. The primaries, secondaries, and main tail feathers will probably run lighter than four to one. The barring should be as straight and narrow as possible, coarse barring is very undesirable. The male that heads this pen should be a trifle darker than standard, as the tendency is to run light, and one should have plenty of color in the mating. The barring on this male should be about four and one-half to one. The standard allows V-shaped barring in the male, but the straight barring is much more desirable, and is what the best breeders are striving for. V-shaped barring is a relic of the Belgian type and will not produce the beautiful ringlet effect that straight bars will. To produce barring in rings around the body the bars must run perfectly straight and even on all the feathers, the shape of the feathers themselves and the way they are held on the bird, producing the rings. In selecting the male pay particular attention to tail shape, selecting a bird with a low tail and well furnished with long sickles and coverts. Head points should also be good, comb of medium size, firm on the head, and as near 5 points as possible.

Going to pen No. 2 we find females with back bars about five to one, and with dark main tail feathers and the large wing feathers dark. (The primaries, secondaries and main tail feathers should be barred the same as the back plumage, but are seldom found so, generally running much lighter or darker than the back plumage. However, the best Campines are now fairly well barred in these sections, especially the secondaries and another season's breeding will likely find a goodly number with wing and tail plumage to match that of the back.) At the head of this pen we will place a male with back barring four to one, or standard color and with primaries and main tail feathers about three to one.

In pen No. 3 we find the females with barring that runs a little lighter than standard. If the females are only a trifle light you can mate with them a male that is a little dark and in this way so balance the color as to breed some good birds. But should the females run much lighter than standard, we would have to use a male very much darker to balance the color, and mating extremes in color will produce mossiness or mealiness in any breed, and especially in Campine females. Mossiness is caused by two defects in the barring, one is the tendency for the black and white bars to over-lap or intermix at the edges, and the other is the presence of gray bars running across the center of the black bars. Either defect is not so distinctive of a bright or clearly barred appearance in light birds as in dark, as the light birds having wide white bars can have a little gray at the edge of the bar and still leave a clear white space in the center. In a class rightly judged these light birds would lose because of their light breasts and light wings, but some judges are carried away by a white hackle and



SECOND PRIZE PARTRIDGE ROCK COCK AT CHICAGO SHOW 1912. CONSIDERED BEST SHAPED MALE IN SHOW. BRED AND OWNED BY P.J. OLLE, R.F.D. 4. BOX 114 A. RracINE, WISCONSIN.

a bright distinctly barred back, without giving due consideration to breast barring and the barring of the wings and tails. The standard allots as mang points to breast color as to back color and calls for wing and tail barring to match that of the

back. An extra light bird should never be used as a breeder, but if one has some well barred females only a trifle lighter than the standard, they will give good results by mating with a dark cockerel.

The Campine males are seldom mossy, being very brightly barred. A rather mossy female will often breed good colored males and for this reason it is very important for you to know that the males from which you are breeding are from well barred females.

It pays to hatch Campines early and late. The early hatched pullets will moult in the fall and make breeders the equal of yearling hens the following season. The later hatched birds make the best show birds as they are just "ripe" in time for the December and January shows.

Campines do not seem to suffer from the hot dry weather (their native home being a country where the temperature ranges from excessive heat in summer to severe cold in winter), the chicks growing very fast in all kinds of weather, and can thus be hatched much later than other breeds which require cool weather to grow rapidly and six or seven months to mature. In rearing prize winners the only special care required is plenty of shade where the birds will spend mid-day and thus prevent the hot sun from fading the "rich green sheen" out of the feathers.

Physiology of Digestion in Domestic Fowl

An Explanation of How Food Is Digested and the Functions of the Digestive Organs. *By Dr. T. P. Shaw, Montreal, Canada*



IT is just as important to know how food is digested and how much of it is digested as it is to know how much protein, carbohydrate and fat are contained in the foodstuff given. As an illustration let us suppose that an engineer, knowing that coal consisted chiefly of carbon, and that graphite (black-lead) consisted of carbon; undertook to fire his boiler with graphite instead of coal. What would be the result? Graphite being an incombustible form of carbon would not keep up the fire and the steam pressure would fall. In the one case coal is carbon in a digestible form and can be utilized to produce heat. In the other case graphite is an undigestible form of carbon and will not burn and produce heat, except under extraordinary conditions.

Keeping to the same analogy, some coal produces more waste material—as ash—than other coal. The cheapest coal may not be the most economical, because of it containing more waste material than a coal the first cost of which is greater.

The same applies to foodstuffs, some are easily digestible and a small amount of waste, while others, although containing, theoretically, all the requirements of an economical foodstuff, may be found in practice to be an expensive food; because the digestive juices of the fowl are unable to break it up so that it can be absorbed and utilized in building up flesh.

Foodstuffs are divided in two:

1. Mineral or inorganic compounds.
2. Organic compounds or compounds of carbon.

A convenient method of grouping these proximate principals of the food, is as follows:

Inorganic—Water. Salts, e. g., common salt, lime, iron, etc.

Organic—Carbohydrates, e. g., sugar, starch; proteins, e. g., albumin, milk-curd, etc.; fat.

WATER—Birds need water for a number of different processes. Two-thirds of a bird's body is made up of water, and a hen's egg contains about 70% of water. Water is absolutely necessary as a solvent for numerous compounds. It brings into play numerous chemical reactions, and takes part in the building up and breaking down of substances without number. It is a carrier of nourishment to the body, and conversely, it provides the means for carrying away the waste products.

SALTS—Salts such as lime, common salt (sodium chloride), combinations of iron, etc., have been found necessary to the life of all animals. Pigeons soon die when fed on substances washed free from salts. Some salts are known to enter the circulation without undergoing any previous change; but no doubt some are absorbed combined with fats and proteins.

We know that laying hens require large amounts of lime (calcium) for the formation of the egg-shell. There is still much to learn about the absorption of the various salts and the part they play in the life of birds.

CARBOHYDRATES—The carbohydrates (starches and sugars) are extremely abundant in nature. They take a prominent share in the building up of the vegetable kingdom, and play an important part as food in the animal economy; on the other hand, compared with the protein bodies, they scarcely come into consideration at all as building materials for the animal tissue cells. They are the energy producers chiefly.

Ordinary starch occurs in the potato, other vegetables and grains. Animal starch, or glycogen, is found in the liver and muscles. Cellulose makes up the covering of grain and the woody fiber of plants.

Among the sugars we have cane-sugar or beet-sugar, lactose or milk-sugar, and maltose or malt-sugar.

PROTEINS—Proteins (albumin, milk-curd, etc.) occur both in the animal and vegetable kingdoms. We have protein in wheat, oats, corn, peas, beans, etc. Alfalfa, clover and hay, contain protein. Eggs contain a large percentage of protein; the muscles or meat of animals are made up principally of protein. Proteins are very important substances because they contain

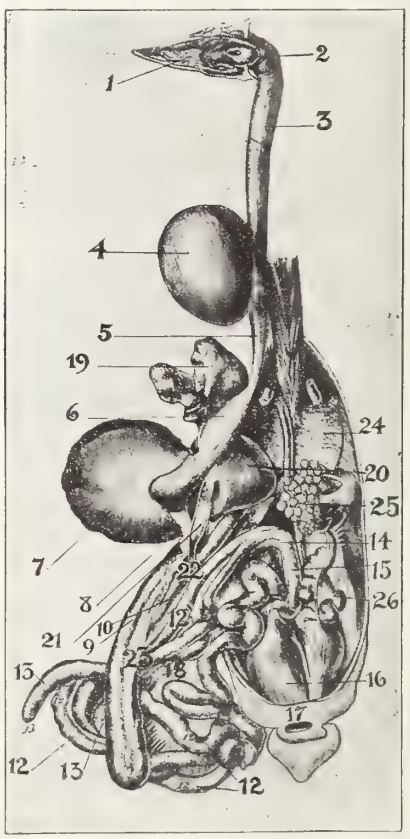


FIG. 1.—General view of digestive apparatus of fowl (after Chauveau). 1, tongue; 2, pharynx; 3, first portion of œsophagus or gullet; 4, crop; 5, second portion of gullet; 6, stomach (proventriculus); 7, gizzard; 8, origin or duodenum; 9, first branch of duodenum; 10, second branch of same; 11, origin of floating portion of small intestine; 12, small intestine; 12', terminal portion of this intestine; 13, the two cæca; 14, insertion of these into intestinal tube; 15, rectum; 16, cloaca; 17, anus; 19, left lobe of liver; 20, right lobe; 21, gall-bladder; 22, insertion of pancreatic and biliary ducts; 23, pancreas.

an element, nitrogen, which is not contained in carbohydrates or fats, and which is absolutely essential to the life of all living tissue. The fact that all proteins are not the same has escaped the attention of many poultrymen and stock raisers. Proteins are made up of a number of small groups chained together to form one complex body. All proteins do not contain the same groups and all the groups are not of the same food value. For example, feathers are made up of protein and the protein of feathers contains a group called glycocoll. Now we find that milk-curd, or casein, does not contain this group, but that the seeds of certain plants, like the sunflower and hemp, do contain this group in their protein. Experience has shown that sunflower seed and hemp seed are good foods for moulting birds and this is borne out by the chemist. It has been found also that certain proteins lack certain groups which are essential to the life of the animal, and starvation will result; although theoretically, based upon the amount of protein fed, the ration contains a sufficient amount of nitrogenous food.

FATS—Fats occupy a peculiar important place, due to their high calorific value. They also play an important rôle as reserve material. The animal organism stores tremendous reserves of vital energy in the form of fats. Small deposits occur in every organ and cell. They are the principal source of heat in animals. Again, as a non-conductor of heat, the fat deposited under the skin protects the fowls from cold in winter.

Hens require more fat-producing food in winter than in summer, because, besides requiring enough to supply the amount contained in the eggs produced, they use up a large amount in keeping up body heat.

Fat is contained in sunflower seeds, corn, oats, wheat, and also in animal food, such as milk, meat, cut-bone, etc.

A very important source of fat are the carbohydrates. Birds as well as animals are able to convert starch and sugar into fat and store it as such in the body.

DIGESTION—In birds the senses of taste, sight and smell, no doubt, all come into play in the selection of food. As poultry do not chew their food, taste and smell are of less importance than in animals, like the dog and cat. (By looking at Figure 1, the course of the food through the digestive tract may be followed.) From the mouth the food passes into the gullet, through which it is forced into the crop.

THE CROP serves as a storage sack so that poultry can collect a large quantity of food rapidly and digest it at leisure. While in the crop the food becomes mixed with the spittal, or saliva, secreted by the glands of the mouth. The saliva is a liquid containing a slimy substance called mucus, and a ferment-like yeast, which acts on starch and changes it into sugar. The crop contains glands which secrete mucus, but no ferment.

While the food is in the crop it becomes moistened by water and saliva. The grain softens and swells, bursting the hard outer covering, and allowing the ferment to act on the starch contained therein. Some grains resist this action for a long time. For instance, the author has seen corn remain in the crop for 48 hours without undergowing any more change than to become softened.

Every little grain of starch is enclosed in a covering of cellulose which must be broken before the ferment in the saliva can act upon it. The action of the crop it very important, because we shall see that starch must be changed into sugar before it can be absorbed into the system.

The ferment found in the saliva is called ptyalin, and is found in the saliva of all animals, including man. The author has found it in the saliva of the chick a few hours after it leaves the shell. It acts best at about the body temperature of the chick and is destroyed by acids.

STOMACH (PROVENTRICULUS)—The food is allowed to pass from the crop into the stomach, a little at a time, so we never find the stomach distended like we do in animals without a crop.

The stomach in birds is small as compared with other animals, but its action on the food is very similar.

The semi-fluid mixture coming from the crop is made acid by the muriatic acid secreted by the cells of the stomach. This acid destroys the ferment of the saliva but activates the ferment of the stomach. This acid acts also as an antiseptic. It does not destroy all bacteria, but stops their growth for the time being. They flourish later in the intestines.

The weak solution of muriatic acid acts upon the pepsinogen of the gastric juice and converts it into pepsin. Pepsin is a ferment which has the power of digesting protein material.

To understand the action of ferments on protein we must think of protein as being made up of a number of building blocks cemented together. (Fig. 2)

If we submit this particle of protein (egg albumen) to the action of pepsin and muriatic acid, it is split up into what is known as peptone. (Fig. 3) The peptone stage represents the first stage in the digestion of protein and is as far as the gastric juice is able to carry it.

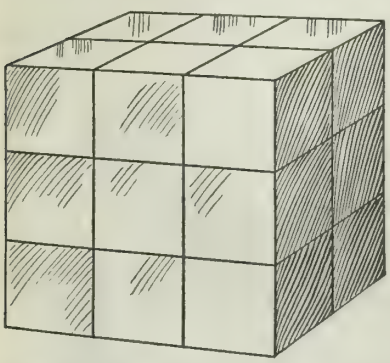


Fig. 2. Diagramatic picture of a particle of protein, made up of a number of building blocks cemented together.

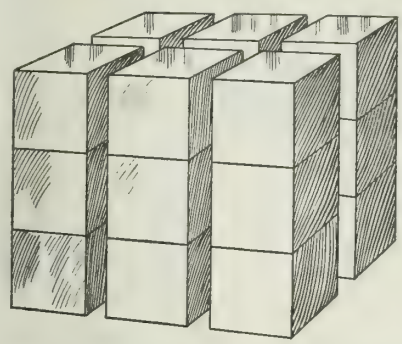


Fig. 3. Peptone. Diagramatic picture of protein after it has been acted on by muriatic acid and pepsin.

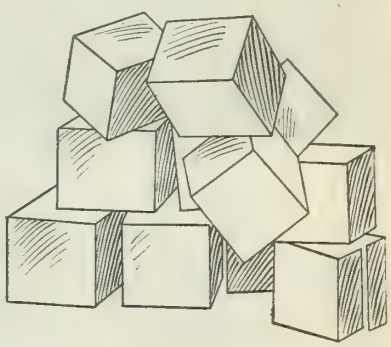


Fig. 4.—Diagramatic picture of protein after it has been acted on by the pancreatic juice and broken down into its individual building blocks.

A large proportion of the protein food will not be changed because it is surrounded by an impervious coating like fat or cellulose.

We have another ferment in the stomach, called rennin, which acts on the casein of milk, forming a curd, some of the groups being split off in the process. This action is not very well developed in birds, as milk is not their natural food. In animals like the calf where milk is their natural food, this curdling function of the gastric juice reaches its highest development.

GIZZARD—From the stomach the food passes into the gizzard. The gizzard is a thick muscular organ lined with a tough horny membrane. Animals whose food is soft or else is chewed before swallowing do not possess a gizzard. It is found best developed among seed-eating birds. Various fishes, reptiles, crustaceons, insects, worms, and other invertebrates have gizzards.

The function of the gizzard is to crush the hard grains. This it accomplishes by muscular contractions which rub the grains one against the other. This process is very much facilitated if sharp particles of grit are mixed with the grain.

Some writers claim that grit is unnecessary for poultry. We fail to notice the report of any experiments which prove that fowls without grit in the gizzard, when fed on whole grain, did as well as fowls with free access to grit. Some experiments have been reported where the observers have taken for granted that the gizzard did not contain grit because the birds had not had access to any for a month. The author has counted between 15 and 25 particles of grit, varying in size from that of



The type of White Wyandotte males used in the breeding yards of George H. Rudy, Route 15, Mattoon, Ill.

a pin-head to that of a split-pea, after birds had been without grit for three months.

In young chicks the soft food first given may become impacted in the gizzard. This is prevented by allowing chicks access to sharp sand. The sharp sand particles stimulate the muscular action of the gizzard which is sluggish when soft food is given.

The gizzard does not contain digestive glands, therefore cannot secrete digestive juices. The glands found in the gizzard are for the purpose of renewing the horny lining membrane which is constantly being worn away. The action of the gastric juice is continued in the gizzard and is not arrested until the food enters the first part of the small intestine or duodenum, as it is called. The crushing and friction action of the gizzard is very important because it breaks down the grain envelopes and allows the digestive juices to reach the proteins, carbohydrates and fats contained therein.

DUODENUM—The gizzard opens into the intestinal tube, the first part of which is bent back upon itself like the letter "U" lying upon one side. (Figs. 9-10.) In the hollow of the "U" is situated a gland called the pancreas, which secretes three





powerful ferments which act on starch, protein and fat. These ferments enter the lower part of the duodenum through ducts situated close to the ducts from the liver carrying the bile.

Both the pancreatic juice and bile are alkaline in reaction.

When the food becomes of the proper consistency in the gizzard it passes into the duodenum a little at a time. Here it comes in contact with the alkaline bile and pancreatic juice; the acid of the stomach is neutralized, the starch is rapidly broken down to maltose, the peptone which was formed in the stomach is further acted upon and broken down into smaller groups of building blocks until these groups are separated into single blocks. (Fig. 4.)

Pancreatic juice not only acts upon peptone but is able to act on any proteins which have escaped digestion in the stomach and break them down to single building blocks.

The fats are split up into glycerin and fatty-acids. These fatty-acids form soaps with the soda, potash and other alkalies of the bile and pancreatic juice. The soap thus formed, along with the free fatty-acids are absorbed by the intestine and reconstructed into the peculiar form of fat found in the fowl.

The bile, although it contains no ferments, aids the pancreatic juice in various ways, especially in dissolving the fatty-acids and breaking the fat into small particles (emulsifying the

fat), so the ferment in the pancreatic juice can act on it more readily.

The author has observed that the digestive functions of the stomach are developed by the second day after hatching, whereas the pancreatic ferments were imperfectly developed before the seventh day.

Chicks should be fed carefully with small quantities of easily digestible food for the first week after hatching.

SMALL INTESTINE—The juices which are secreted by the walls of the small intestine contain ferments which aid the pancreatic juice to digest protein and carbohydrates.

We have found that cane sugar is present in the sugar-beet, but before it can be absorbed and used by the fowl it must be changed into glucose. This change is produced to some extent by the acid in the stomach, but more particularly by a ferment in the intestinal juice. The maltose produced by the digestion of starch by the saliva and pancreatic juice is also changed by the intestinal juice into glucose.

In most animals we have a ferment present in the intestinal juice which acts on milk-sugar. This ferment is absent in poultry, and they must depend on bacteria to break up milk-sugar.

The author found that chicks could not digest milk-sugar and when pasteurized milk was fed alone to chicks it caused irritation of the stomach and intestine and the chicks suffered from lack of digestible carbohydrate in the food.

ABSORPTION—The glucose formed from the digestion of starch and sugar is rapidly absorbed by the intestinal wall, taken up by the blood and carried to the liver and muscles where it is stored as animal-starch (glycogen).

When the food is rich in carbohydrates the liver and muscles cannot retain all of it as glycogen.

Now what becomes of the sugar which is not disposed of as glycogen? A direct consumption of sugar is not to be thought of; and on the other hand, the sugar content of the organs, and the blood especially, never exceeds well-established limits when the storage places for glycogen have been filled.

Numerous experiments have shown that the excess of sugar is transformed into fat.

Now what becomes of the stored up glycogen? Whenever muscular action takes place some of this animal starch is converted into glucose and is used up to produce energy.

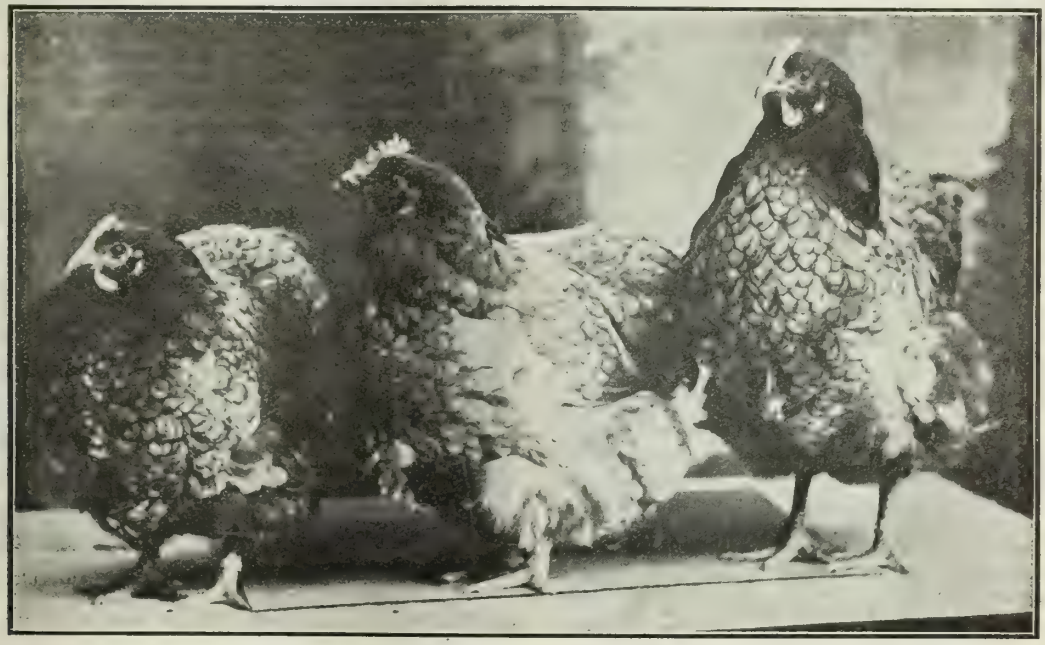
The glycogen content of the liver stands in a definite relation to that of the muscles. After the muscles have performed hard work, we find that not only does the glycogen in them disappear, but that in the liver as well. This leads us to believe that the liver serves as a central storage place which is capable of feeding all the other stores in the body. The transfer of liver-glycogen to the muscle takes place by means of the blood, and in the form of glucose.

The rôle of the carbohydrates in the animal body is not limited to the production of energy. They are to be considered as a source of heat. It is possible to cause the glycogen store to disappear by merely chilling the animal.

Fat like glycogen is stored up as a reserve material and besides acting mechanically as a protection against cold, is used up to produce heat.

If we burn sugar and fat it is changed into carbon dioxide gas and water with the production of heat. The same thing takes place when these substances are burned in the fowl's body.

Protein food we have found has been broken down into individual building blocks. These various building blocks are absorbed and carried by the blood to the liver, which sorts them out, so to speak, allowing those to pass which can be used by the animal in building up its tissues. No matter whether the protein material was originally animal or vegetable, the fowl first breaks it down and then reconstructs it into its own peculiar form of flesh.



BLUE ORPINGTON FEMALES.

Reading from right to left is first Chicago hen, 1913; first Madison Square Garden hen, 1913; first Chicago pullet, 1913. Bred and exhibited by H. Nicholson, Leominster, Mass.

The daily activities of the fowl cause a certain amount of wear and tear of body tissue with the formation of complex substances which are more or less poisonous. These poisonous substances are carried to the liver, where, along with the discarded building blocks, they are changed into ammonia and uric acid, and thrown out of the body by the urine.

BACTERIAL ACTION—The gastric juice is an antiseptic; the pancreatic juice is not. An alkaline fluid like pancreatic juice is just the most suitable medium for bacteria to flourish in. It is often difficult to say where pancreatic action ends and bacterial action begins, as many of the bacteria that grow in the intestinal contents, having reached that situation in spite of the gastric juice, act in the same way as the pancreatic juice. Some form sugar from starch, others peptone from proteins, while others again break up fats.

The action of bacteria on milk is a good example of the way bacteria may aid digestion in the fowl. We found that poultry produce no ferment that will break up milk-sugar. In the souring of milk the lactic acid bacteria change part of the milk-sugar first into glucose and then to lactic acid, so we see that our milk will contain some glucose which is the form in which sugar is absorbed.

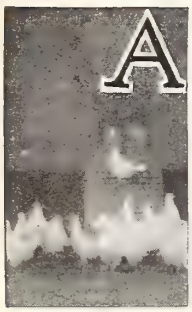
(Continued on Page 327)

Womans Success With Poultry

Helen F. Woods, Editor

A Department for the Exchange of Helpful Poultry Experiences

A California Girl With A Thousand Hens



A GIRL eighteen years old who is making $900 a year from a thousand hens should be encouraging to other girls who are anxious to make money. It isn't the California climate that makes the profit for Mabel De Vasse, of Sonoma County, but her own painstaking care.

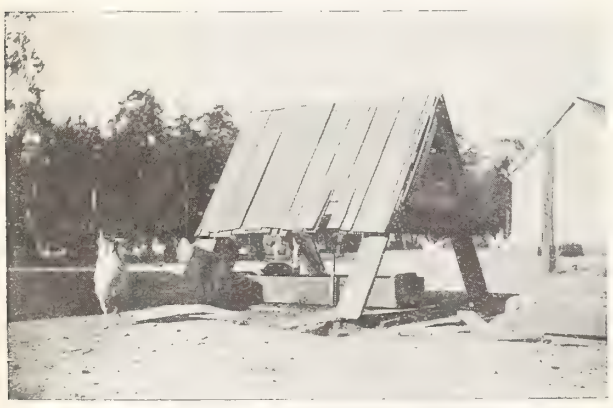
It is really no small task to care for a thousand laying hens, but Miss De Vasse considers it a recreation. Her work shows that she enjoys what she does and that she does not consider it a burden in any way.

The reason she raises White Leghorns is because the San Francisco market demands a white egg and the Leghorn produces that kind. Dark colored eggs are classed as No. 2's at San Francisco and bring a price about 2 cents below the price of No. 1's. Most every one in this vicinity raises White Leghorns and that makes it easy to buy new stock of the kind you want or sell what surplus you may have.

The eggs are sold for cash to dealers in the towns near by and the transaction is completed in a few minutes. There is no waiting for returns and no commission to have deducted.

The thousand hens average a profit of about 90 cents each per year. This is after subtracting the cost of the feed, which usually amounts to $1.25 per hen per year. In other words, the total income is about $2.15 per hen per year, or $2,150.00 is the total amount of money handled by Miss De Vasse in the conducting of her flock of white layers during twelve months.

It might at first thought seem that it would be heavy work for a girl to care for such a large number of birds, and especially would it seem difficult when it is known that the birds on the De Vasse ranch are housed in small lots of 50 each, and these are scattered over an area of nine acres. The idea



Cover for water trough used by Miss De Vasse.

is to give the birds plenty of range so that they will have sufficient exercise each day to keep them healthy and active, for an active bird is always a worker, and it is not profitable to keep hens that are not good layers when it requires an outlay of as much as $1,250.00 to provide the feed.

In order to make it easier to carry the heavy pails of feed from the feed-house to the different yards, Miss De Vasse uses a two-wheeled push-cart. This is shown in one of the pictures. This cart will hold all of the food required for three or four pens, and being mounted on large wheels with well oiled bearings it is very easy to push it from one yard to the other.

The caring for the fowls consists of four operations. In the morning a mash is fed, in the afternoon, about 4:30, whole wheat is placed in the self-feeders. Immediately after this the eggs are gathered, and when they are all collected they are



Type of house commonly used in California.

candled, weighed, and packed in the cases ready for shipment.

The mash which is fed in the morning is prepared the night before, and consists of ground barley, bran and shorts. These are mixed in about equal proportions in a large tank and are well moistened with water. The mixture is allowed to soak over night.

The amount of whole wheat fed in the afternoon is governed by the amount that the chickens eat. If considerable grain is found to be left in the troughs, no more is added. But when the troughs are well cleaned up, another pail full is given to each pen.

By giving plenty of food during the week, it is not necessary to give an evening meal on Sunday. There is always enough left in the troughs which has accumulated during the week to provide the Sunday supper. This provides for a thorough cleaning of the feed troughs once a week.

The eggs are gathered in large candy pails and the two-wheel cart is used for carrying them from one pen to another. After they are all gathered they are taken to the incubator house which is dark except for a small hole about the size of an egg in one wall. The eggs are all candled by holding them, one at a time, up to this hole and noting whether they are clear or have a dark spot in them. Those with a dark spot in them are destroyed as being unsalable. The eggs are placed at once in cases holding 30 dozen each. These cases are provided by the egg dealers. No. 1 eggs must weigh 22 ounces to the dozen; moreover, each egg must weigh one-twelfth of 22 ounces. In order to be sure that all the eggs in the No. 1 case are exact weight, an automatic scale is used to weigh each egg. The scale is arranged so that the egg sets into a little hopper, and the weight at the other end of the beam just balances an egg of the right weight. Those that cannot bal-

ance this weight are placed in another crate marked "No. 2." The No. 2 eggs usually bring about 1½ to 2 cents below the market price for No. 1's. The egg dealers deliver food to the raisers, and on the return trip take away the eggs. The price



Miss De Vasse and her cart.

varies throughout the year, usually being the lowest during April and May when the production is heaviest.

The yards are so arranged that parts of them can be cultivated each year and planted to some crop such as barley, wheat, or oats. This provides green stuff into which the fowls may run. In addition to this, mangel beets are fed occasionally. These are thrown whole upon the ground.

The houses contain nothing but the roosts and are made 8 feet wide, 10 feet long and 6 feet high. This size of house accommodates 50 hens. Back of the houses are two nest boxes. These are 2 feet wide inside and 8 feet long and contain 12 nests each. The nests are made of tin cans in which distillate oil is received. The cans are just about the right size for nests, and are very easy to keep free from mites, or lice. The nests are arranged so that the hens approach them from the rear. In front there is a board which serves as a door. This is the door through which the eggs are gathered and is kept closed so that the nests are rather dark. Both the houses and the nest boxes are of very cheap construction. All that is needed in a house is to keep out the wind and rain, and all that is needed in the nesting boxes is to keep out the rain and provide a dark, cool place in which the birds may hide to lay their eggs.

All of the baby chicks are raised on the ranch. The incubators will accommodate about 8,000 eggs at a setting. It is the aim to have all of the chicks that are to be used on the ranch hatched at the same time so that there is less bother in caring for them. Of course, not all the chicks hatched are kept on the De Vasse plant, but the surplus finds a good market and are sold as day-old chicks for 10 cents each.



Tiers of outside nests used with colony houses.

The chicks for the De Vasse ranch are brooded in a brooder house which accommodates about 1,200. This is heated by means of a small wood stove, and is provided with hovers for the chicks, which are heated with distillate oil.

Everything about the farm is kept thoroughly clean and the stock is thrifty and bred for business. The layers are kept until they are three years old. That is, they produce eggs three seasons, and are then sold for meat.

Provides Clean, Healthful Water.

Most of the larger poultry raisers in California provide running water for their fowls. Nearly everyone has a supply tank or is connected with a water main.

After a good supply of water is secured, it must be kept clean and cool. A faucet that drips constantly usually provides cool water, but the drinking trough should be protected in some way. Some place the trough on a platform to prevent the fowls from scratching dirt into it. Others protect it with a lath screen. Perhaps the most effective method I have seen is one used by Miss De Vasse and shown in the accompanying picture.

The trough and the pipe that supplies it are protected by an A-shaped roof. This is made from old lumber and is very inexpensive. It not only protects the water from the sun, but avoids to a large degree contamination by the sparrows and other birds that bother in the poultry yard. The whole outfit cost only two hours of labor and is to be highly recommended to poultry raisers.



This is an example of what a girl may do who has ambition and a love for live stock. Miss De Vasse has no special opportunities that other girls do not have. Of course she lives close to a large market, but there is always a big demand for eggs in every section, and when the business is handled properly there is the opportunity to make a good profit.

———o———

1914 American Poultry Journal Year Book

We are pleased to announce that the 1914 Year Book will soon be ready for distribution.

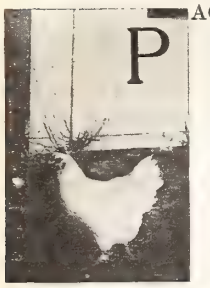
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Practical Packing of Eggs for Hatching

A Method That Reduces Breakage or Shaking Up of Eggs to the Minimum, While the Carrier and Packing Being Light Reduces Transportation Charges. *By J. W. Parks*



PACKING eggs for hatching is a branch of the fancy side of the poultry industry that has made little or no advance from a scientific standpoint, and this seeming unconcern is working more harm to the eggs-for-hatching branch of the industry than the average breeder realizes.

It is a fact that eggs may be packed in such a way that they will reach the purchaser without loss from breakage, yet still be in poor hatching condition. If the eggs are not properly packed, especially for long journeys, with provision made for taking care of the great number of sudden bumps, the contents of the eggs will become so shaken up from the constant vibration that the germs become weakened, and either die at different stages of development, or the hatch results in a number of weaklings which never amount to anything.

I spent a few days during the busy season last year visiting a few of our leading breeders, calling, among others, on a good old friend of mine who has been in the business for something like thirty or forty years, and who has in that time done the industry an immense amount of good. I found him busy packing eggs for hatching, and still doing them up in the way they packed them twenty-five or more years ago, at which time an order was seldom shipped out of one's own state. Neither was the world moving in the hurry-flurry style of today—or the employees of the express companies. Eggs packed in the old way simply could not have stood the average twenty-four hour journey and been expected to arrive in good hatching condition under present day conditions. The old-time breeder's intentions were good enough, for his package cost as much or more than the best, and required a great deal more time getting a shipment ready than we could devote to packing the same number of eggs today.

At another plant visited, a leading specialty farm, where the best talent obtainable was employed, eggs were being packed in a way that would insure their reaching the purchaser in good shape but the time and material used in the packing was double what it ought to have been. The eggs were first packed securely in a box, which was then placed in a basket with a good cushion all around and muslin sewed securely over the top. Following this method, the packer put in as much time getting a setting ready for shipment as I would allow for a one hundred egg order, and while they were getting several times as much for their eggs, I have since learned that their plant is a losing proposition.

Eggs to be shipped great distances and hatch well must be packed scientifically. In the first place they should be packed in a receptacle having some flexibility or "give" to it, so that the package will help take some of the sudden jars, the eggs also being packed in a way that they will likewise give with a sudden jar, as it is this that so frequently causes a weakening of the delicate fibers which hold the germ in place.

There is no question but that a split basket comes the nearest to being the proper thing to pack eggs for hatching in. Most shippers, however, use the flat top basket, sewing a muslin over the top, which takes up a lot of good time and invites the danger of other packages being piled on top, and the probability of thus breaking the eggs.

After a good many years experimenting, I have decided on the split basket with a hinged top and with two handles for packing eggs for hatching. These baskets cost a trifle more but you can save in the packing, for after the eggs are packed, the top closed, the basket should be tied shut, the two handles tied together on top, which prevents anything being placed on top of it, and your package is ready to be tagged and shipped.

I have used almost every known packing material, waste paper, chaff, rice hulls, sawdust, shavings, etc. The best and most satisfactory material for this purpose is undoubtedly excelsior. The basket should be well lined with a fine grade of excelsior, known as wood wool; a good handful of this should then be wrapped around each egg, and the eggs then placed in the basket on their ends. This method sort of makes a nest for each egg, and a good supply of excelsior is then placed on top of the eggs, filling the basket comfortably full.

Baskets of several sizes, for different size orders should be used, always allowing plenty of room for packing, so that plenty of excelsior can be used between the eggs and the basket. Using this method last season, breakage did not run over one per cent, which reduces the packing of eggs for hatching end of the business almost to a certainty.

By this method of packing, eggs may be shipped either by express or parcel post, though up to the present time, the handling of eggs for hatching through the mails is not used very extensively, though later we may expect great increase in this method of delivery.

I secure these baskets from Guile & Windnagle, Penn Yan, N. Y., who are making a specialty of supplying them to poultrymen. Eggs so packed have been shipped north, south, east and west, thousands of miles without breakage—not even a cracked egg, and have yielded good hatches. The basket being light of weight with the wood wool excelsior packing provides a resilient package which reduces breakage, or the shaking up of the eggs, to a minimum, while at the same time insuring lowest transportation charges.



Sensible and practical method of packing eggs for hatching as recommended by J. W. Parks, Altoona, Pa. See article in this issue. Eggs have been shipped in this manner north, east, south and west—thousands of miles without even a cracked egg and have yielded good hatches. The light weight package makes a resilient, safety carrier and insures minimum transportation charges.

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Feeding young chicks is one of the most important questions. For the first three days mix together fine sharp grit, pinhead oatmeal, millet seed, cracked corn and charcoal. Hulled oats crushed may be used instead of pinhead oatmeal. The mixture should be put through a sieve which nothing larger than millet seed will go through. Then there is no danger of choking the chicks. Make a mash of a hard-boiled egg, shell and all, and mix with green onion tops or sprouts and bread crumbs. When the chicks are two weeks old the corn need not be quite so fine.



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FIRST PRIZE HEN



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EDITORIAL

WE LEAD OTHERS FOLLOW

65,000 A. P. J.'S FOR FEBRUARY, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal and binding 65,000 copies of the February, and binding 65,000 copies of the January, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 22d day of January, 1913.
(Seal) HENRY G. EISERT,
Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Come to Chicago, Boys.

Chicago again extends a cordial invitation to the American Poultry Association to hold its next annual convention in our city, promising in return for this favor to help make the convention the largest and most enthusiastic one ever held in the history of the A. P. A. Everyone will admit that Chicago is an ideal place to hold the convention, being centrally located with the best railroad facilities in the world. Besides these two important points, the many and varied attractions to be found in Chicago will surely draw a large attendance, from near and far.

Vote for Chicago, and you may rest assured that the Chicago Association of Commerce and the local members of the A. P. A. will do everything possible to royally entertain their guests. The nominating ballots will soon be in your hands. Just write Chicago as the place to hold the convention and then come to the largest gathering of poultry breeders ever held in this country.

Buying Poultry Equipment.

At this season of the year manufacturers of poultry equipment, incubators, brooders, feeders, hoppers, galvanized iron ware, and other supplies, have their factories and shipping departments rushed to the limit. It is a very busy season.

To avoid annoying delays be sure to place your orders early. Select and order the new goods you want well in advance of the time you want to use them. If you have an order to place, it is a good time to DO IT NOW.

Many customers put off buying until the last moment and then complain because of delayed shipments. Don't put all the blame on the manufacturer, he is a busy man these days and may be at his wits ends trying to satisfy the rush season's demands on his business. The equipment and supply business is largely a spring season business, chiefly because of procrastination on the part of poultrymen who put off ordering until they actually need the equipment. This is a big country and all the year 'round is the big poultry season in some part of it.

Get your orders in now and plan to spread your buying out more over the whole year hereafter. The poultry equipment business ought to be kept comfortably busy throughout the whole year.

Stuff "Nosed Over."

There is an old saying that if you tie a horse to a haymow he will grow poor, and the saying is as true as it is old. We have seen a stable constructed in the following manner: A pair of horses were tied to the side of a haystack and allowed to eat their way in. As they progressed covering was made of rough poles supported by strong forked sticks.

When we saw this novel stable, the horses had tunneled their way in more than twelve feet, and were well protected against the wintry blasts. But they were poor, forlorn looking nags, starving to death in the midst of plenty. The explanation is this: They were breathing on the hay continually and it became mussed up, and unfit to eat; they were disgusted with it all the time.

This is an extreme instance, but something very much like it happens in all cases with sheep, swine, fowls, or any animals, whenever the food is allowed to accumulate for them to "nose over," or scratch over. Swine and fowls can stand this sort of thing better than some other species of live stock, because they are accustomed to gather their food from the dirt. Yet it is a bad practice for the keeper to force his domestic animals to swallow anything excepting perfectly clean food.

Now do not interpret this to mean that "dirt," pure and simple, not filth, I mean, but soil, or "clean dirt," will hurt if swallowed. Throw feed onto freshly plowed or spaded soil if you will, or on new ground where fowls have never been, but this is different from contaminated soil. Probably common fresh earth mingled in the food of horses or cattle would be injurious to some extent, even if small in quantity. But fowls need ash, or earthy matter to make egg shells of.

Even horses and cattle, as well as deer, resort not only to "salt licks," as is proverbial, but also to spots where there is alkali and various mineral matters and sometimes calcareous earth. This hints that though they do not form egg shells they form bone. But preeminently the domestic fowl, producing an unnatural number of eggs, especially needs earthy matter.

High Prices.

We have heard persons say that it was a shame for breeders to charge such high prices, no matter if it was for extra specimens of blooded birds. "No fowl is worth more than a dollar," we heard a man say at a poultry show. Let us examine the above statement a little. It takes time and patience to improve a line of breeding stock, does it not? If the line is a continuous series of generations, and every one of the animals in the line a direct descendant from great-grandfather, grandfather, father, down to son, grandson, etc., and all are good and capable of imparting their desirable qualities to a considerable portion of their progeny; why this state of things has only been brought about by a sacrifice of much time and money and never wavering patience and more breeding pens than you can shake a stick at.

Now we will suppose that this achievement has been reached. It is not an empty supposition either, for it has been done again and again. Now the capacity for increase, and increase at a tremendous rate when it has been well started, is an attribute that belongs to our domestic animals, including our

poultry; bipeds or quadrupeds, it matters not which. Even the slowest of all breeding animals is capable in the course of not so very many generations of producing descendants enough to produce in turn progeny in sufficient numbers to fill the earth, supposing there was enough for them to eat.

It is this capacity to increase that gives such great value to a particular breed of animals from a superior strain such as has been described. It is not the animals themselves but this "promise and potency" of multiplication which gives them extreme value.

It has happened again and again that the introduction into a country of surpassingly fine breeding animals, horses, sheep, swine, horned cattle, or what not, to the value of five hundred or a thousand dollars, has been the means of increasing the value of the live stock in that country, in the course of a dozen or twenty years, to hundreds of thousands of dollars over what it would have been if nothing but common stock had been introduced.

So well is this principle recognized by the railroads in the United States that they carry fine breeding stock to agricultural fairs, free either one way or both ways, to encourage the live stock interest. It is like transporting carloads of seed wheat free of charge, in order that the railroads may have the privilege of afterwards carrying enormous harvests which shall tax the capacities of their rolling stock to the utmost.

No man who says "no fowl is worth more than a dollar" has ever grasped the principle of breeding, or appreciated the mathematical and financial elements in the problem. He is an ignoramus who has no claim on our attention. He has no case and should be dismissed from court. Probably he never at school learned, in his "rithmetic book," that there is such a thing as geometrical progression.

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Feeding for Both Economy and Thrift.

By keeping always within reach of fowls, young and old, the two extreme sorts, the highly carbonaceous, such as Indian corn, or seeds of Kaffir or some other of the non-saccharine canes, and the highly proteinous, as wheat bran and shorts, less is actually consumed than by the methods commonly pursued. With abundance always before them, it has been often feared that fowls will gorge themselves and become hog fat. But it is really the other way. The gorging is, when feed is thrown to hungry eaters. The time when they fill their crops to distention is when you have allowed them to become very eager.

Just so sure as you feed somewhat sparingly, owing to the oft repeated injunction "do not over feed," which is the stock in trade with many writers, you find your flock ravenously hungry at next feeding and they pitch in to make up for lost time. Feed by hand "all they will clean up greedily" if you want to bring about overeating, especially if you starved them down a bit previously, for you will then naturally give them enough to make up for previous withholding. Their crops are their haversacks to hold a supply against need and they will cram these haversacks chockfull the next time, after you have been so virtuously heeding the "don't overfeed" injunction.

They will acquire a habit of cramming to distention and their crops will keep gradually stretching day by day till you are really not carrying out the sparse feeding plan so much as you think you are.

If you are afraid of gorging, and if "over feeding" is a nightmare to you, just dole out sparingly and grudgingly this and that to your fowls and allow them by spells to become "sharp set," thus teaching them to crowd at your feet and tumble over one another, and see how your wishes will be defeated by the very plan you are pursuing. My word for it, they will acquire the habit of gobbling fast as they can whatever you throw them. They will sometimes even swallow at once an unaccustomed sort, which they would peck at daintily, or refuse entirely, if all sorts of staple food were before them all the time so that they would never become accustomed to crowd and play hog.

If you throw an ordinary staple grain food to poultry educated to fight for it, and think you are following moderation by stopping "when they cease to be eager for it," as is so often recommended, they will pack their crops to distention before ceasing to be "eager," and then what becomes of your dogma of not "overfeeding"?

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Breeding Time.

Once again the big show season is over and breeding time is with us. Most of the utility men already have their breeding pens well mated up and a goodly lot of early chicks started. A good many fanciers are obliged to wait until the big shows are over to get their matings in order. Show birds need to be rested before breeding and if they have been over-shown take quite a while to get into good form again. Exceptional exhibition specimens are seldom used for breeding.

Prolonged cooping in small cages both before and after shows is now out of date. The birds get rather too much of small cage confinement in the show rooms. Some of the best specimens exhibited this season came in off the range and were handled and trained with very little cooping. The best way to rest up birds after showing is to provide liberal open-air scratching quarters, sheltered ranges in the open if possible, and a well aired roosting apartment. Supply sufficient food and water and let the birds alone. Give them a chance to rest up and disturb them as little as possible. Application of a little hen sense here will bring good returns. Simply keep them comfortable and well fed and allow them to do pretty much as they please, and do not fail to supply a "dust bath."

Mate up the breeders carefully. Keep in mind constitutional vigor all the time. Breed for health, vigor and vitality. Consider that first. Don't breed from any bird that has been seriously sick, or one that is deformed, has constitutional faults, or is out of condition. Don't breed from any matings where both females and male have tendencies to similar faults. If you inbreed, remember that similar faults in mated male and female are certain to be multiplied and intensified in the progeny. Don't fuss too much with your birds, give them a chance. Sometimes "letting them alone" is a big part of good care.

It will be a good plan to have all the early chicks you can care for well. February and March chicks usually thrive well and are hardy and free from ailments. Hens that produce hatchable eggs in February and March are usually in good breeding condition. Hens with diseased ovaries and infected with "white diarrhoea" seldom lay much until later in the spring. Early chicks will make good and big growth and if properly handled will prove good fall and winter layers.

Get hen sense into your breeding this season.

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The Tide Still Sets Back to the Farm.

Everything indicates that the "back to the farm" movement, the lure of Nature, "near to the soil," and the "simple life," will be stronger than ever during 1914. But, there's a difference. It is no longer a strong tide sweeping inland to the slogan of "go west young man." The movement from now on will be toward the coast. Coastwise farms or those not far removed from the sea coast lines, on the Atlantic, the Pacific and the Gulf, are in greatest demand. The deserts of Texas and Southern California are being reclaimed and made into wonderfully productive farms. Our wizard of plant life, Luther Burbank, is demonstrating new possibilities in agriculture in this wonderful country of ours and soon we will have many new foodstuffs. The almost deserted and little worked New England farms are coming into greater demand. The low prices at which they have been held, and the nearness to the big coast cities, is a lure that attracts and the city demands for foodstuffs will prove a practical source of revenue that will help the new owners of farms to hold them and live well. The development of the parcel post will prove a big factor in building up the farm communities.

The coming Panama-Pacific Exposition in 1915 is sure to teach all of us a big lesson. We are going to hear more and learn more about the production of foods and about getting the foodstuffs direct from the producers into the hands of the consumers. The opening of the Panama Canal will set going a big tide of activity along all the seaboard of the whole United States. There are good times and big times coming and everybody is going to have a chance to participate in them. The big tide will set back to the farm near coastal points and along navigable rivers, but there will be plenty doing inland. As one enthusiastic fancier said at the New York Show: "It is a fine time to be alive and it is going to be finer."

Better make your plans now to attend the great Panama-Pacific Exposition in 1915. If you can, plan to take along or send a good string of birds for the poultry exhibit. It ought to be made the finest poultry show ever held in the world. A good many Eastern and Mid-Western fanciers are waking up to the possibilities of the 1915 exposition and are planning strings of good ones for the show. Get in line and do your share to make it a success and get your share of the honors. There is going to be a big opportunity for American fanciers to get a lot of profitable South American trade in the near future and the Panama-Pacific Exposition will help pave the way to it. When you are there, South America is practically next door. In fact, with the opening of the canal we will

be next door to all the world and in California you may find a key to big business. It is well worth planning for.

Hatching Egg and Baby Chick Time.

Now is the time to place your order for eggs for hatching and for day-old chicks. Get your orders in early. State your wants clearly and send cash with your order. Patronize American Poultry Journal advertisers and be sure to mention this magazine, which will insure special consideration for your order.

If you have hatching eggs and baby chicks to sell, get a little of the Golden Rule into your business dealings, try to treat all of your customers as courteously and generously as you yourself would wish to be treated. Ship only good eggs and good chicks. Acknowledge all orders promptly and advise customers when to expect shipments. Use up-to-date shipping packages and coops. Pack all shipments well, to insure safe arrival in good condition. Don't ship cull eggs or cull chicks. Remember that the fine appearance of the goods on arrival and the satisfaction of your customers are the best kind of business assets. Some men are getting as high as eighty per cent. repeat orders from old customers. That sort of business pays. To so please and satisfy a customer that he keeps coming back for more eggs, more chicks, and more breeding stock, is the best and most profitable way to conduct poultry business.

Every promising lot of eggs or chicks may not do well. Some are sure to yield good results. A good deal depends upon the man who receives the hatching eggs and baby chicks. Don't expect too much. Don't be unreasonable. Don't let one disappointment sour you. Try again. Try to be obliging and courteous in all business dealings, whether you are buyer or seller. Nineteen fourteen promises to be a good season, do your share to make it so.

More About Production Cost

Since we started the ball rolling we are pleased to note the considerable interest which is developing concerning the actual production cost of market eggs and poultry. We have repeatedly suggested the advisability of experiment stations making a real business of finding out what production cost is or should be. Of course the cost will vary somewhat, according to location, and a good deal according to season, but systematic investigation along the right lines could do a lot of good.

Right here, we want to say that we are not especially interested in the production cost of eggs and poultry produced by common farm flocks kept under usual farm flock conditions. Investigations along the usual farm flock lines wouldn't be of much value. The common farm flock has, we believe, seen its best days and a decided change for the better is coming soon. Farmers, more and more, are going to become specialists. They are going to devote their energies to specializing with their farms with a view to getting the best and most suitable crops and the best returns. Except for the run of non-progressive farmers, who will always be with us to some extent, the farmer of the future is going to work a good bit with his brains and he will understand that the business of producing foodstuffs for the people of the world is a mighty important undertaking and worthy of his best effort and energy. He won't have time to be a "Jack of all trades" as much as he has been in the past. He won't be able to have too many side lines to occupy attention that should be given to specialty work. He is going to have a big man's job and he will have to tackle it in a modern down-to-date business way. Then, too, parcel post distribution is going to put both big and little farmer on his mettle and give a mail order business to a good many enterprising ones.

Chick hatching will become more and more a specialty and big incubators will give us more and better chickens. Producing the best eggs for hatching is another field for specialization, so will be the growing of breeding and laying stock and the now well established specialty of producing prime market poultry will find greater and more profitable development. Modern egg farming, with sanitary methods and well fed flocks, is another important specialty. There is plenty of work to do, that will be done all along the line.

Farmers, big and little, seldom take very kindly to poultry. Unless the farmer is a poultryman he hasn't the time or the inclination for special poultry work. The farm flocks are tolerated to please the farm wife, and to furnish eggs and chicken meat for

Fashion Plate Strain BUFF ORPINGTONS



One variety correctly mated and line bred for ten years develops family characteristics and is worthy the name, Strain.

Trap-Nesting your pullets to select the best layers as your breeding hens leads to big profit.

Only a few hundred birds of this double value to sell in January and February—nicely finished cockerels, trim pullets, ready to go into the best shows right now **to win**—conditioned free and guaranteed to please. First-class selected breeders, all bred from our best families of trap-nested layers, ripe and ready to ship out at **Special Prices.**

1914 Orpington Fashion Plate Book

Our book for this season is the best ever issued on Orpingtons. Many high schools and colleges use it as a text where poultry husbandry is taught; **56 pages, Fashion Plate Buffs** in natural colors, over 40 other illustrations, full description of our **28 yards** and the price of stock and eggs, articles on trapnesting, conditioning birds for show, feeding, etc., **free.**

A. E. MARTZ & SON **Buff Orpington Specialists** Box A, ARCADIA, IND.

the home table, and now and then a bit of pin money or trade at the country store. The farm flocks are farm scavengers, pick up a large part of their living from waste, and, as a rule, the cost of production of the farm eggs and chickens is not considered to amount to much.

In fact, farm poultry occupy a similar position to that in which a certain big dairyman placed his hogs. He grew many acres of corn and fed a good deal of it into his growing cattle and milch cows; the hogs lived and fattened chiefly on the undigested corn food in the dung of the cattle and such waste and slop as came from the dairy. The dairyman said he made a profit on his beef cattle, breeders, cows and dairy products, but that his hogs cost him next to nothing and were "all profit." Yet, dung-fed pork hasn't much appeal to appetite.

Just as cattle inspection, meat inspection and milk inspection is beginning to improve, we can look for inspection of eggs and poultry meat to come and improve along modern lines during the next few years. It is bound to come. There is nothing more important in this world than getting pure foods to feed the people.

Egg farm conditions and market chicken farm conditions have got to be improved and modernized. That is certain. We are not going to hark back to the old-time slip-shod farm poultry methods. With modern, up-to-date, sanitary egg and chicken farm conditions comes increase in cost of production.

What our government investigators and experiment stations should do is to think less of the old-fashioned farm eggs and farm flocks and more of future modern poultry plant flocks. Get busy, get together, and work together. Endeavor to find out what it should cost to produce eggs in different sections of the country on modern, well conducted poultry plants, where the hens are well housed, well cared for and well fed, and where the eggs are properly handled and shipped to market. Don't dally with food cost alone or average costs. Get the cost month by month, or week by week, or day by day, but get the whole cost, the total cost—figure all expenses, land, labor, buildings, upkeep, capital invested, marketing, etc. Get the real cost. Find out what it costs to put a dozen new laid eggs, from a modern egg farm, into the market at all seasons of the year. Find out what it costs per pound to put the best market chickens and fowls of all ages into the market, when produced under modern and sanitary poultry plant conditions. That sort of information will be worth while.

The prices of good poultry products are going to go up, not down, and to stay up. The prices will reach a greater uniformity throughout the country, quality will improve, and real poultrymen will be able to earn a good living with that "little more for a rainy day." Poultry and eggs are necessary and desirable foodstuffs and we will have to have the best and prices will have to be based on production cost. It is going to take an enormous quantity of poultry and eggs to supply the needs of the people and the work will have to be developed in a modern, sane, business way.

More and more the consumer is going to demand and to get fresh foodstuffs direct from producers. He is not likely to get it for any less than he now pays, but the producer will get better paid and the consumer will get better quality and better food and have less doctor bills. Cold storage will come under better regulation. It will be necessary to take care of surplus in time of plenty and preserve it against time of scarcity, but there will be fewer abuses, actually better storage largely by producers themselves, and little or no speculation of the sort now indulged in. Transportation lines will furnish better facilities and better refrigeration of foods during transit. There are good times coming!

Let's have the real facts about production costs. Some of our "experts" are telling about producing eggs at "9" and "16" cents a dozen "average total cost for the year." That doesn't "listen good" to us for it doesn't look reasonable or probable. We believe that the minimum total cost of "flush season" spring eggs is pretty close to 15 cents a dozen on most well conducted plants and that in the period of scarcity in the fall the cost is close to 45 or 50 cents a dozen. Quit guessing and basing estimates on figures ten or twenty years old and give us facts from today.

The "Egg Trust" Nonsense.

The twaddle and nonsense in the daily newspapers about the "Egg Trust" and the silly "egg boycotts" and "price war crusades" have done some small good after all. They have paved the way for future inspection of foodstuffs like poultry and eggs and have led to investigation of methods of production, cost of production, and methods of getting produce more directly from the producer to the consumer.

If one needs proof that there is not and never has been any "egg trust," he has only to consider the wide difference in the prices of eggs, of similar or the same quality, in widely separated sections of the country and in different localities in the same section. If there was a "trust" there would be more uniformity in prices.

When new laid eggs were selling at 60 to 75 cents a dozen in Boston, Mass., and similar prices in large cities on the Pacific Coast, and 75 cents a dozen in New York City; the price was 85 cents in New Rochelle, N. Y.; not obtainable at any price in some parts of northern New Jersey; 55 cents in Plymouth, Mass.; 38 cents in Detroit, Mich., and so on all along the line. No apparent regulation or uniformity of prices. Producers simply got the best prices they could for their eggs in their respective locations.

Within a radius of twenty miles in

500 PREPOTENT COCKERELS



Crusader III, a Boston Winner

For years Regal White Wyandottes have been bred for vigor and stamnia. My male line has a wonderful reputation for high fertility. With a temperature of 20 to 25 below zero I am getting an average of 75 per cent fertility. Have 200 husky young chicks a week old and hope to hatch 2,000 before March 1st, when the rush of egg orders begins. I just received a letter this morning which illustrates my point.

Castle, N. Y., Jan. 11th, 1914.

Last spring I bought a cockerel from you and I now want to tell you he was a dandy. I bred him to ten pullets and raised some of the finest chickens I ever saw. **I set an incubator with 108 eggs from this pen. They tested 105 fertile eggs and hatched 100 chicks.** At the Warsaw Show I won 1st and 2nd Cockerel, 1st and 3rd Pullet and 1st Cock on the bird I got from you.

I remain, yours sincerely,

CHAS. EDN'U.

REGAL CATALOGUE IS READY

I have just received from the printers my new Catalogue and Mating List for 1914. It is illustrated from cover to cover with photographs of my famous winners and snapshots of my breeding pens and plant. It has a number of articles on feeding and rearing chicks; also on the care of the breeding stock. It also has a full description of my matings for 1914. If you will send me your name I will forward you a copy free of charge.

1,500—COCKS, HENS, COCKERELS AND PULLETS FOR SALE—1,500

SPECIAL—100 Exhibition Cockerels and 200 beautiful Pullets ready to now win the blue ribbon for you. 100 well matured Cockerels from my heavy laying Dorcas line, $10, $15, $20, and $25 each. Dorcas Pullets, $5, $8, and $10 each. Stay white utility Cockerels, $3 and $5 each.

John S. Martin : Box 51 : Port Dover, Canada

Plymouth County, Mass., the prices paid by five different collectors for the same period and for the same quality of eggs were respectively: 38 cents per dozen, 40 cents, 44 cents, 46 cents and 50 cents. Think of that variation in a comparatively small farm district area. The collectors were either shippers or local grocerymen and they picked up the eggs wherever they could. They bought the eggs for cash or took them in trade and of course obtained the eggs to sell again, paying a price which they believed would permit holding the eggs while securing enough for shipment to the city, or to sell to customers direct and insure a sure profit. Nevertheless, a difference of 12 cents a dozen in a small district is a big difference.

Something is going to be done, and that soon, to secure a more uniform price for eggs of equally good quality. Price revision is not going to be downward, either, for with greater uniformity in prices we shall undoubtedly reach a higher level and one that will insure better returns for hard working poultry keepers.

Do your share to help the good work along.

New Blood in "Poultry."

Clinton Mark Walter has resigned as managing editor of Poultry Pointers and vice president of Poultry Pointers Publishing Company, and has purchased "Poultry," the National Poultry Magazine, from Poultry Publishing Company, of Peotone, Ill. He has moved "Poultry" to Kalamazoo. As sole owner, editor and publisher of this well-known magazine, he promises us some "Big Things" for the present year. Mr. Walter has been a teacher of poultry culture for several years and he will direct the policy of the new "Poultry" along those lines which will start poultry men and women on the right road to success and guide them all the way. Whatever Mark Walter does he does well and you can "bank on it" that the magazine "Poultry," under his editorship, will be a big benefit to the poultry industry, for it will help everyone to prosper if they will but follow its teachings. The January issue of "Poultry" was out January 1 and Mark Walter's Happy and Prosperous New Year proclamation in that number is worth your reading.

For the Good of the Common People.

If we should believe all we read and hear nowadays there's a whole lot being done for the weal, welfare, and general good of Mr. Common People and Mr. Ultimate Consumer. But it would be well for these gentlemen to always remember that there is still a great deal of truth in the old-fashioned sayings: "It pays to keep a sharp lookout for the welfare of Number One" and "God helps those who help themselves." Don't accept an alleged "fact" simply because a presumed authority says it is so, but think it over, size it up, and decide whether or not you KNOW it is so.

Our Uncle Sam's government free bulletins are broadcasting a good deal of information and misinformation on various subjects, and his "expert" lecturers are doing likewise. Probably much good is being done and also some little harm. It is just as well to remember that a good many of Uncle Sam's "experts" are very young and inexperienced, easily influenced by the glamor of position and publicity, prone to jump at conclusions, and in other ways admirably adolescent. We are all of us bound to admire the fervor and enthusiasm of the youth fresh from school or college and his belief in the serious nature of his mission to right all wrongs of the world. But a good many of us have "been there" in our own transition period, and since then we have had to unlearn a lot and have learned that we still have a lot to learn. The cock-sure knowledge and enthusiasm of youth is a beautiful thing from the standpoint of the student of nature and biologist, and it is a state of mind productive of much good. When it comes to perpetuating much of this enthusiasm in public talks and free publications for the good of the Common People, it is just as well for the Common People to try to learn to sift the wheat from the chaff.

When we find this free information favoring "boom" projects and big packing interests, it is just as well to consider whether or not some interest may have found a way to influence youthful enthusiasm in its favor. Nevertheless, we are a bit surprised to find our United States "experts" recommending frozen poultry as much preferable to fresh killed stock, telling

Keeler's White Wyandottes



CHIEF WINAMAC 4th—First Cock Indianapolis, Jan. 10th to 16th, 1914

The Aristocrats of the White Wyandotte World

Have again demonstrated their superiority over all others by establishing the following records at the *National Fanciers' Club Show*, INDIANAPOLIS, IND., January 10 to 16, 1914: 1, 2, 3, 4 5 cocks; 1, 2, 3, 4, 5 hens; 1, 2, 3, 4, 5 pullets; 1, 3, 4, 5 cockerels; 1, 2, 3, 4 pens, old; 1, 2, 3 pens, young; the National White Wyandotte Ribbons and State Cup for best cock, hen, cockerel, pullet and pen; $50.00 Silver Cup for best display, and many other specials, thus further supporting their well-earned title of

The World's Greatest Strain

For 20 years I have been breeding White Wyandottes that win both in mine and my customers' hands at such shows as Chicago, New York, St. Louis, New Orleans, Kansas City, Los Angeles, Pittsburgh, Denver, etc. I have something like 100 cocks, 300 hens, 500 cockerels and 1,000 pullets to sell within the next 60 days. Let me send you a cock or cockerel that will stamp the superiority of this strain on your flock, or mate you a pair, trio or pen that will produce you the winners for next season's shows.

Selected Breeders $25, $35, $50, $75 and $100 a Pen of 4 Females and a Male. Start Right by Starting with KEELER BIRDS.

Eggs Eggs Eggs Eggs Eggs Eggs

For the season of 1914 I have mated 16 grand pens. These pens contain these Indianapolis winners and the best birds reared the past 3 years—sons, daughters, brothers and sisters to these grand birds. They are bred right and mated right to produce the winners at America's largest and best shows. My 1914 64-page Art Catalogue of America's finest White Wyandottes free for the asking (5 red stamps appreciated). Eggs, $5.00 per 15, $9.00 per 30, $14.00 per 50, $25.00 per 100. Eggs from special matings, $10.00, $15.00, and $20.00 per 15. State your wants clearly.

Bremen, Ohio, Jan. 5th, 1914.

Mr. Chas. V. Keeler,
Winamac, Ind.

Dear Sir:—Pardon me for not writing you sooner. The birds came to Bremen the 27th in perfect show condition. The cockerel is all that I expected, a good strong well built blocky bird with very white plumage. He won 1st in his class. The pullets are all I expected in type, size and whiteness. The pen won 1st and $20.00 silver cup for best pen Wyandottes, 12 pens competing. They also won a $100.00 silver cup for best pen in show, all varieties competing. A total of 60 pens, 44 of which were the White varieties. When I need more stock you will hear from me.

Yours for success,
(Signed) H. M. Scholl.

READ WHAT SOME OF MY CUSTOMERS SAY:

Canton, Ill., Jan. 5th, 1914.

Mr. Chas. V. Keeler,
Winamac, Ind.

Dear Sir:—Our winnings at Canton are as follows: 1st, 2nd cock, 1st, 3rd, 4th cockerel, 1st, 2nd, 3rd, 4th, 5th hens, 1st, 2nd, 3rd pullets, 1st, 3rd pens. Grand champion female. These birds are all of your strain, either hatched from your eggs or bred from birds purchased from you. I am, your friend,

(Signed) Tom Rafferty,
467 E. Chestnut St.

Canonsburg, Pa., Jan. 12th, 1914.

Mr. Chas. V. Keeler,
Winamac, Ind.

Dear Friend:—Just a few lines to let you know how I made out at our show here at Canonsburg, Pa. My winnings are 1st and special pen, 1st, 2nd, 3rd and special on pullets, 1st, 2nd, 4th and special on hens, and 1st cockerel. Best display cup and all cash special, and all won by Keeler birds, and in the best class of White Wyandottes ever entered at our show. The pen you sent me is a marvel and Judge Auerswald told me it is the finest he has seen for years. Hope you will have extra good luck at the Indianapolis show and let me know your winnings. I am, very truly yours, (Signed) Jas. B. Fisher.

Keelersville, Chas. V. Keeler, Prop. and Mgr., R.F.D.11, Winamac, Ind.

of increased weight caused by soaking up water used in tank chilling of fresh killed poultry, and recommending frozen eggs (canned) in preference to fresh eggs, and "cold storage" stuff generally as preferable to strictly fresh new goods.

Frozen egg yarns can be quickly disposed of for every housewife knows, or should know, that there are many culinary purposes for which frozen eggs positively cannot be used. Good frozen eggs, properly put up, have their uses, but they are not likely to ever become popular with the housewife and homemaker.

The very best food egg is the egg produced under sanitary conditions, by the well fed, healthy fowl on a modern egg farm, or in a smaller flock cared for under modern sanitary conditions. Most all such eggs go into immediate consumption as "nearby new-laid" eggs, or some similar term. Few find their way into storage for they sell fresh at prices above storage prices. Such eggs are best new-laid (fresh) and the fresher they are when they go onto your table the better they are. To get the best food and the best eating qualities you can't have an egg too fresh or from a flock too well kept. Such eggs cost more than the average sort and are worth more.

"Farm eggs" haven't a very good name among those who know eggs. It is this sort of eggs that collectors get, grade, and put in storage in most cases. "Farm eggs" come largely from common farm flocks, tolerated by the farmer to please the farm wife, and allowed to shift for themselves mostly and be scavengers of the farm. We would not expect the idea of eggs from scavenger hens, filth-fed 'round the barn yards, to be particularly pleasing to Mr. Ultimate Consumer. Nevertheless, "farm eggs" of this sort make up the larger part of the cheap eggs and storage eggs of the market. Think that over.

As to fresh killed chickens vs. frozen and storage stock, well, there is no accounting for tastes. Some folks like a "gamey" tainted meat flavor in their meats and poultry. We don't! Some meats if allowed to near-spoil, then soaked in saleratus water and handled by an expert chef, can be served up attractive, tasty and appetizing, if you don't happen to get some strong portions. But near-spoiled meat is not good for the inner man. Poultry meat spoils quickly and when frozen and thawed it spoils quicker and more dangerously than ever.

Folks who live on fresh new foodstuffs, that have not had a chance to spoil, live longest and have the best health as a rule. City dwellers and the unfortunates who live in hotels suffer a good deal, one way or another, from stale and near-spoiled foods. Stale foodstuffs are seldom wholesome even if some chemists cannot find anything wrong with them. Some day our medical men will begin to wake up and will find that much intestinal putrefaction (autointoxication), other intestinal troubles, kidney troubles, liver troubles and nervous ailments, rheumatism and diabetes, etc., are due largely to eating stale foodstuffs, some storage foods, and so much near-spoiled food. There is room for a lot of careful investigation here and the investigators should be mature and experienced minds and free from outside bias and interests. Keep an investigator on a small wage barely sufficient to sustain life in his calling, keep him on the anxious seat as to where his living and that of his family is coming from, keep him worried about being able to hold his job, and you put a premium on getting misinformation.

We know that fresh killed poultry is best—poultry that is properly killed one day, properly dressed and chilled, hung just long enough in a cold dry place to take the first stiffness out of the muscles, and eaten within a few days of killing. The reason a good deal of "fresh killed" poultry in the market is not good is because it is not properly handled before and after killing. Every chicken and fowl should be starved (have no food whatever) for from 24 to 36 hours before killing. It should be allowed pure water to drink. At the end of this period the crop will be empty and the intestines almost empty. It is food in the crop and intestines that helps to spoil poultry meat after killing. The bird should be stuck in the "big vein" by a cut made through the mouth. It should bleed well and be dry picked without tearing. The carcass should then be thoroughly chilled, either in a refrigerating room by the dry process or in a tank of clean ice water. We see no valid objections to properly conducted tank cooling. The birds stay in the water until animal heat is all out of the body; then they are hung in a cold room to dry off and drain. That it is a fact that the carcass does not soak up water to amount to anything, is proved by the fact that the chicken after being properly hung to drain and dry actually weighs less than it did when dropped into the tank to cool. Usually the chickens chill for three or more hours in the ice water tank and then hang over night in the cold room before shipment to market.

The finest chicken meat in the world is probably what is known as the "South Shore soft roaster": A winter grown chicken brought by skilled feeding to a plump 8 to 12 pounds in 22 to 24 weeks from the shell. These chickens are stuck, dry picked, ice-water chilled, hung to dry, shipped some two or three hours' express journey to Boston market, all engaged or sold at a retail price of close to 50 cents a pound before they actually arrive in the market, never displayed in market stalls, in good demand by folks who can afford and will have the best food obtainable, and usually such chickens are entirely consumed in less than a week from killing time. Does "frozen stock" compare favorably with soft roaster meat? What do you think about it?

We have had a good many guests at our house to eat fresh killed chickens, ducks, turkeys and guinea fowl. Everyone has something to say about the wonderful excellence of the poultry meat; they "never ate anything like it

Are you sending your eggs by **Parcel Post?** The Automatic Mail Exchange Co. say—"we have not found any thing which can be in the least construed as a competitor of the **Regal Egg Carrier** for the safe handling of eggs by parcel post." Send $1.80 to **B. W. PLANE, Box 5, BELVIDERE, ILLINOIS** for a dozen now.



WM. COOK & SONS

ORIGINATORS OF ALL THE ORPINGTON FOWLS & DUCKS

Plants in America, England and South Africa Established 1873 : **Box A, Scotch Plains, New Jersey**

Eventually, if after the best Orpingtons any variety you will buy from their **originators, why not now?** And avoid loss and disappointment. We **guarantee** safe delivery and **satisfaction,** backed up by a reputation of 40 years' standing, this means something to you.

Now is the time to purchase your exhibition Orpingtons from their **recognized headquarters.** We always have a large stock on hand of imported birds from our English plant, being from stock mated up by our Mr. P. A. Cook especially for **American requirements.** We can ship the same day your order is received.

We have thousands of Orpingtons to choose from in S. C. Black, White and Buff, Diamond Jubilee, Spangle and Blue Orpingtons, **all** of which we originated.

It is **natural** the best can be procured from their **originators.**

Send 10c for illustrated catalogue, containing history of the origination of all the Orpingtons and hints on poultry keeping. Eggs from our winners and the finest Orpingtons in the world, $20 a setting; from fine stock, $10 a setting. Advice free. Inspection invited. Trains met. Over fourteen thousand first prizes won by us. We are by many times the largest poultry breeders in the world. Ornamental land and water fowl for sale.

or so good before." One young man, who had lived most of his life in first class hotels, said: "I never before knew what real chicken tastes like. I always supposed that the white meat around the wishbone and the dark meat of the 'second joint' had to have a queer gamey taste, and I didn't particularly like that taste."

That "queer gamey taste" of the meat about the wishbone and about the second joint is due to careless preparation of the fowl for killing and is caused by food left in crop and intestines, and careless cooling will make this offensive taste still more objectionable. We don't want such near-spoiled food ourselves and we don't recommend it to our friends. Real new-laid eggs and fresh killed poultry is not any too good for us, and stale or frozen stuff is not good enough, no matter who the "expert" may be who produces much evidence to prove the contrary. The BEST is none too good, and frequently it is possible for a good many folks to produce the best at home. A dog buries his bone in earthy storage for reasons best known to his peculiar canine taste, but, "Is thy servant a dog?"

———o———

DR. WOODS' NOTES AND COMMENTS.

The 1914 Version.

No egg—the grocer's boy is late,
Says Dolly, "Never mind; I'll wait."
"Cut-cut-ca-dah!" she hears a squawk;
A hen appears. "What's all this talk?"
"My card, miss." Eggs for gentlemen.
Hickety pickets, fine fat hen."
"But I'm no gentleman," says Dot.
"No," says the hen; "I see you're not.
But there's the egg—a good one, too.
And as a gentleman you'll do.
In gentlemen's and ladies' ways
There's not much difference nowadays."
—Philadelphia North American.

* * *

There is a wide difference between the Boston and the New York way of doing things and this is very apparent in the different methods of handling the pass tickets for exhibitors and exhibitors' employees at shows. In New York the number of pass tickets is strictly regulated by the front foot of floor space used and courtesies are grudgingly extended and, should it be necessary for an exhibitor to be in and out of the hall a number of times on business, he will have to pay his way to get back into the show if he enters the exhibition hall more than three times on the same day. Every exhibitor's ticket is limited to three "non-transferable" admissions on each exhibition day and no more. No "pass



First prize winner at Madison Square Garden, Atlanta and Savannah. Bred and owned by the Jefferson Farms, Albany, Ga.

out" checks are issued permitting return of any visitor the same day. It seems like a foolish and mistaken policy on the part of the management and the curt refusal of a few additional passes for employees at the special displays looks like a "penny wise, pound foolish" proposition. No exhibitor wants to abuse the pass privilege and he isn't going to be running in and out of the hall any oftener than business makes it necessary. Very few will ever abuse the pass privilege by seeking free tickets not needed for employees and it isn't right or reasonable to require an exhibitor, making a good display, to pay admissions for his employees who are on duty with the exhibit.

Boston Show has a cleaner and better way and one that promotes better feeling and goodfellowship all around. Every exhibitor's or exhibitor's employee ticket has an entrance coupon for each day. No matter how often the holder may desire to leave the hall he can always get a "pass out check" from the gate keeper which when presented with his ticket will admit him to the hall again. The management doesn't care how often he enters or leaves the hall and there is no kicking and growling. Should an exhibitor have a friend meet him at the show and desire to take that friend out to dinner, he can always get a return admission complimentary for his friend to come back on, so that he is not required to pay two admissions to the show in order to see the show and dine on the same day. We certainly appreciate and admire the Boston Show way of handling show business and making exhibitors feel at home, welcome and happy. The management is to be congratulated on its courteous, broad minded policy of conducting a poultry show.

* * *

We have written so much about "ground poisoning" and germ diseases of poultry for a number of years that it seems odd to get so many requests for more, and still more, information on the subject, but they keep right on flowing in. No one knows just how many kinds of specific disease producing "germs," or micro-organisms, there are. Only a few, comparatively, have been isolated and identified. The identity and deeds or misdeeds of some are still much in dispute. Their action under different conditions, environment and growth varies a good deal. Germs of the same breed vary widely in ma-

KAUP, QUALITY BUFF ORPINGTONS

Just Made the Greatest Win at Chicago, January, 1914, Ever Made by a Buff Orpington Breeder at Any Time in a Chicago Show, to the Best of My Knowledge and Belief.

First, third and fourth cocks; first and fifth hens; second, third and fourth cockerel; first, second, fourth and fifth pullet; first old pen; first, second and fourth young pens. Silver cup best display. *Five times as many firsts as all other exhibitors combined. Three and one-half times as many points as next highest competitor. Twice as many prizes as all other exhibitors combined.* Does the above unqualified caption mean anything to you? Send for 36-page fully illustrated Buff Orpington Guide Book, the catalog of the champions; tells all about the famous trapnested winning Buff Orpingtons and tells why

I Haven't a Dissatisfied Customer in the Whole World

F. A. KAUP BUFF ORPINGTON FARM Box K-1 GLEN ELLYN, ILLS.

F. N. Perkins says:

I am convinced that my matings this year will produce the best ***Partridge Plym. Rocks*** it has ever been my pleasure to own. It has been my desire to produce birds that not only would be up to the standard requirements as far as type and color goes, they should also have an inherited tendency for big egg production. I have been successful in producing these qualities throughout my flock and birds of my strain have won the big prizes at the leading shows in the country. If you are looking for that so much desired triple lacing and beautiful rock type or for birds with abnormal egg production, it will pay you to send for a setting or two of eggs for hatching. My elegant mating list containing a fine color plate of these fowls and describing different pens I have mated is free. My art catalogue is considered the finest book on this variety and well worth the 25c I ask for it; contains a large color plate and valuable information regarding this breed. **F. N. PERKINS, 22 Harlem Ave., Freeport, Ill.**

lignancy and (pardon the term) apparent disposition—some are meaner than others in the same family. We still know very little about these microscopic friends and enemies of the human race and have still more to learn about those affecting poultry and the relationship which may exist between germs affecting humans and those of lower animals. There are good germs and bad germs. The good ones under abnormal conditions may become naughty and abuse the body they inhabit and under normal conditions the bad ones may be tame and peaceable. Therefore it pays to keep any animal body in normal, healthy, disease-resisting condition. We hope that statement is plain and simple enough for all plain people.

* * *

Now, there are an infinite number of micro-organisms (''germs'') and our scientists have only the merest speaking acquaintance with a few of them. There are all kinds, good, bad, and indifferent. And, just like we ''big folks,'' these tiny ''dust specks'' of the animal and vegetable world possess certain individuality and peculiarities of independent life and action. You can't be certain when a bad germ will quit being a meek and quiet slave or prisoner and run amuck and play the dickens with things generally. Neither can you tell when a benign or good germ will cease to be good and fail to do its duty. All we really know is that to a greater or lesser degree the germs of all sorts are always with us. The whole intestinal tract of the animal body and all cavities lined with mucous membrane continually harbor vast hordes of many breeds of germs. They are all about us in the polluted air of closed buildings, conveyances, thickly populated sections, in dust, filth, excrement, sputum, polluted food and water, ''poisoned ground,'' dust, and even sometimes in snow and rain. The normal, healthy animal body, when properly balanced, has good germs enough to kill or control the bad germs. This normal balance may be termed ''constitutional vigor,'' ''normal disease-resistance,'' ''good health'' or ''good condition.'' Let something upset condition or the normal balance and the functioning of the body becomes abnormal—disease resistance is weakened and the bad germs get the upper hand of things.

* * *

Now, many poultry plants suffer severe losses from ''ground poisoning'' due to accumulation in the soil of more or less continuous deposits of poultry dung, much of which may contain injurious germs. The dangerous germs may even be brought originally by wild birds, rodents, domestic animals, on feet of visitors, or by parasites, and in many other ways. There are plenty of ways for them to get on the plant unsuspected. Dangerous germs lurk in the dust and mould of grain and in spoiled grain, in musty or mouldy litter, in swamp muck and forest leaves, in pools in the hollows of filthy yards and in barnyard seepage. Darkness, dampness, quiet, warmth, and filth keep bad germs alive, fat, full of cussedness and maliciousness, and often cause them to multiply. Some multiply in the body and some out of it or in it as they please. Most of 'em are wicked and dangerous. In old, continuously used ranges, earth floor poultry houses, and intensive-system yards, dangerous dis-

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This Stupendous Sweep

Is but a **repetition** of **our last year's winnings** when they led all others at **Philadelphia, Cleveland and Pittsburgh** by winning **13 out of a possible 15 first prizes** competing in the largest and strongest classes of the year. (Look up these records.)

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ease germs have been found in the soil at a depth of two feet. They can't live indefinitely in the soil, but if not disturbed may live a long time. Freezing won't kill them. This talk isn't intended as a scientific monologue, but we do want to make it a plain and popularly told explanation that any poultryman can understand. "Ground poisoning" results from continuous occupancy of any piece of land by fowl, without some effective measures being taken for sweetening and purifying the soil. Even in the use of poultry manure for fertilizing purposes, it is best to use it only as a "starter" for crops, or to use it for grain crops or where the fruit or grain is to be fed to the fowls rather than the greens. We wouldn't recommend the use of poultry manure, freely applied, for growing poultry feeding greens, like lettuce, rape, grain sprouts, grass, etc., except where the greens are to be well washed before feeding and not fed with soil clinging to the roots. Of course if the greens were to be washed or cooked before feeding there would be little or no danger.

* * *

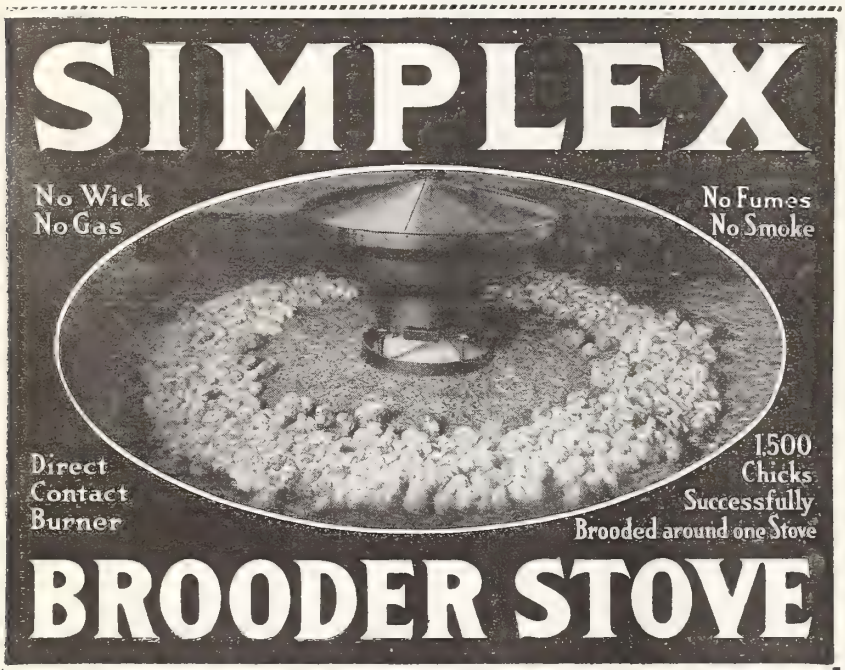
Sunshine, pure air, frequent deep stirring of the soil and heavy cropping with rank growing plants are the best methods of sweetening and purifying the soil. But cropping and stirring the soil is not quite enough. The land needs a rest from poultry. If it does not get a rest from poultry you can't effectively sweeten and purify it. The best and most satisfactory method of keeping out of ground poisoning trouble on a poultry plant is to alternate crops and poultry. Do away with permanent yards or runs. Use colony houses. Grow poultry on a field one year or at most two years. Then let that field rest from poultry for one or two years and plow it deep, cultivate and stir it up often to expose the soil to sun and air and cleansing rains and crop it heavily with rank growing corn, oats, etc. Cultivation and plenty of deep stirring of the soil will sweeten it and be better for the land and much better for your poultry. No land is too good for poultry. Flat lands, or fairly level land with frequent hollows, are the most difficult to keep sweet. Rocky soils, not easy to stir deeply, are difficult to keep sweet. Sharp inclines and long, grassy slopes are more easily kept clean. Even bare runs can be helped and kept sweeter by scraping and sweeping before heavy rains, removal of the top filth and deep spading, with now and then a top dressing of air slaked lime. Eternal vigilance is the price of sweet soil where intensive poultry keeping must be practiced and if you do not exert yourself with timely preventive measures, the bogey of ground poisoning will some day catch you napping and sadly damage your flocks and ruin your profits. If you can't arrange for alternation of crops and poultry in a large way, you can at least have yards to be rested and sweetened alternately. Get busy! You may get caught with a disease wave or epidemic now and then, but there is no need to keep an invitation to diseases always with you. It is not necessary to let the soil of your poultry plant continue to fill up with the seeds of canker, cholera, roup, conjunctivitis, chicken-pox, sorehead, scaly leg, scabies, "white" and other diarrheas, parasites, aspergillosis, and a multitude of other diseases too numerous to mention. This isn't a learned "scientific" talk and it isn't fiction. It is cold fact—plain hen sense for plain poultrymen. Read it again, and then again, until you digest it.

* * *

We are glad indeed that Miss Carey has called attention to the English poultryman's free use of oats and particularly "Sussex ground oats." Sussex ground oats are just good plain heavy oats ground fine and fluffy, hull and all. The oats are ground alone without admixture of other grain and by special stones or special grinding surfaces are ground exceeding fine so that the fibrous hull is very finely broken up. We have used oats and ground oats freely for a long time and have championed their use whenever some poultryman through careless or indifferent use failed to get the best results. Oats are good poultry food, one of the best poultry foods, and if oats don't give you good results the fault is probably in the way you feed or because you use poor oats. We have been using fine ground oats fed dry, hulls and all, in chick foods for small chicks for a good many seasons with fine results. We feed whole, heavy, clipped white oats freely to laying and breeding stock, both young and old, and we are still strong for oats.

* * *

Hulled oats, groats, rolled oats, and coarse oat meal are all good, but we prefer whole oats well ground for young and old stock and whole clipped oats for growing and adult stock. Indian corn is good and generally eagerly eaten. Wheat is good, but can be fed too liberally and cause trouble. Canadian corn, Rhode Island corn, and Argentine corn (all small hard grains)



How many of YOUR chicks LIVE?

With a Simplex Brooder Stove you can actually RAISE 20 per cent to 50 per cent more chicks than by any other method—and save 75 per cent of your operating expense and 90 per cent of your time. Do you know as good a way to PROFIT?

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The "Simplex" Eliminates White Diarrhoea. Read this letter, it proves that we know what we are talking about when we say the "Simplex" will prevent White Diarrhoea.

Chicago, Ill.,
April 9, 1913.

Simplex Brooder
Stove Co.,
Grand Rapids, Mich.

Gentlemen:—
Enclosed please find my check for $29.50 in payment for Brooder Stove shipped me on the 7th. This is the second stove I have purchased from you this season, and of course the last one is purchased because the first one is doing the work. The stove works entirely satisfactory, and does all that you claimed it would do. I believe you have solved the bothersome problems in brooding. The stove has eliminated White Diarrhoea from which I suffered heavy losses, losing 50 per cent of my hatch. The losses with the stove have been very small.
Very truly yours,
Judge J. C. Everett,
Farm at Holland, Mich.

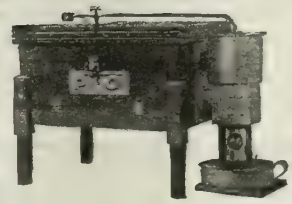
often run better in quality than our softer dent corns and are better feeding grains than wheat. Sometimes, even when allowed natural chance for selection of foodstuffs, adult hens (yearlings and especially two-year-olds of heavy varieties) will eat, by preference, enough corn to put on an excess of internal fat. They won't always do it, but they sometimes do, for corn is one grain that seems to be liked above all others. We like to have yearlings and two-year-olds eat a good many oats. With all grains fed in automatic feeders it sometimes happens that they do not work the oat feeder as often as we would like to have them. The pullets go about it all right, but the wise old hens may take a notion to work the whole corn feeder overtime. We fool 'em by making a visual appeal to appetite. For old hens the oats are fed in a hanging galvanized iron dry-mash hopper that won't waste feed and which keeps oats in plain sight. The main supply is covered and a fresh supply of sweet clean oats feeds down as fast as they are eaten out of the hopper. With this plan it has been a surprise to us how large a proportion of oats the hens consume with relation to other grains. Our grain supply is corn, wheat and oats only and fed in separate feeders. "Mixed feed," a mixture of bran and middlings and good beef scrap, are used in other hoppers. Green food is supplied freely and they have plenty of water or snow (when there is any) and a supply of crushed shell and gravel. The winter egg yield has been fine and the adult hens have given the pullets a hot contest in the matter of production; in fact, the yearlings have probably produced more pounds of eggs and the pullets a few more eggs.

* * *

A reader writes to know if we are "really sincere" in our recommendation of selective appetite feeding by automatic feeders and hanging hoppers as advised in our article "Give the Laying Hen a Chance" in December A. P. J. We certainly are sincere. We should not have written or published that article if we did not believe in it. We have tried the plan out long enough and with a sufficient number of fowls to feel sure of it. We have visited numerous commercial plants where the finest chicken meat in the country and the best market eggs, with fine egg yield, are produced and where automatic feeders are doing the work of feeding, and feeding better than any hand feeding ever attempted. Chicks are raised from shell to griddle, by automatic feeding methods, that are better and run more uniform than hand fed chickens. At New York Show the "old timers" hovered about the automatic feeder exhibits and we heard one say: "It won't be so very long before all poultry is fed that way." And he is a very conservative old timer too. We believe that if you give the hen a chance to feed herself she will do the job better than you can. Good, reliable automatic feeders and hoppers will give the hen a chance and do the work of feeding cheaper and with less waste than it can be done in any other way. Most manufacturers make the feeders a bit too small, but this is because the larger sizes cost more to make, must sell for a higher price and sell less readily. Four half-bushel size automatic feeders and two 20-quart hanging hoppers will comfortably feed 100 fowls in one flock. The feeders will need filling up twice a week and the hoppers should be looked at once a week and kept full. We would prefer bushel size feeders which would allow filling up once a week. With pullets we like to have two feeders for corn, one for oats and one for wheat; a hopper for beef scrap and one for "mixed feed." For yearlings and two-year-olds use two feeders for corn, two for wheat and one mash hopper for whole oats; in the other hopper use equal parts mixed feed and beef scraps. This plan certainly simplifies the "feeding problem" and it yields fine results and birds that are always in good condition. Hand methods of feeding usually have birds half starved at times and at other times gluttonously overfed. With automatic feeder and hopper feeding the fowls are always well fed and never overfed and they keep busy. In winter the floor immediately under the feeders can be covered with litter, but the birds will do well with a plain sand floor and they will take abundant exercise and find a surprising amount of time to be taking outdoor exercise too. Of course fresh raw green food must be supplied freely. Most flocks don't get nearly half enough raw greens and raw vegetables. Sprouted oats make a fine addition to ration when winter shuts off supply of cheaper greens and they supply valuable food elements not found in ordinary greens.

* * *

All the better types of automatic feeders are supplied with covers and can be used on range out of doors if desired. We prefer to hang both feeders and hoppers to a tree limb or other support for outdoor feeding of growing flocks, rather than have them set up on legs. The hanging feeder is easily filled and is less liable to be upset. On one South Shore soft roaster plant we visited this fall we saw a large flock of



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Winnings Prove My Claim to Having The Highest Type Strain R. I. Reds

THE test of a strain is not an occasional picked winner from a large flock, but the producing of repeated winners year after year from a medium sized flock. My winnings extend over 10 years. It's the repeats that really count—any poultryman knows that.

At the recent Madison Square Garden Show, we won in single combs, 1st, 3rd and 5th Cock, 2nd Pullet, 4th Hen and 3rd Pen. **Shape Special** over all male and female.

Special Display for best string of R. I. Reds in show.

Item Silver Cup for best display, highest uniformity, color and type, both rose and single comb competing.

At New York Palace Show on Rose Combs, 1st and 3rd Cock, 3rd Cockerel, 3rd Hen, 2nd Pen.



Prize Pullet at Madison Square Garden

Special Display for best display Rose Combs.

We have four grades of stock ranging from Utility, Near Silks and Top Notchers up to Special Notchers.

Mating list ready. Send for it. Orders for eggs filled in order received. New catalog ready. Send for one.



Prize Cock at Boston Show

LESTER TOMPKINS

Tompkins' Rhode Island Reds

CONCORD, MASSACHUSETTS

promising "winter chickens" fed wholly by automatics hanging from trees in a good sized orchard. It was a pretty sight and the chickens were fine and very uniform in development.

* * *

Colored celluloid leg bands for growing chicks and adult fowls are coming into use more and more. Manufacturers now supply these bands in nine colors. As a means of instant identification they are invaluable. They are easily put on and easily changed if desired. With good, healthy fowls, pullets well matured and filled out, even expert judges of 30 or 40 years' experience frequently cannot judge the age of a bird and tell whether it is a 11 or 12 months old pullet, a yearling, or a well preserved two-year-old. It is harder to judge the age of hens than it is to find out a woman's age, and that is considered an impossibility in most cases unless she is willing to tell. A bird usually produces best during the pullet year, the second year of laying and breeding is often very good (sometimes as good as or better than the pullet year), but there are very few hens that it pays to keep as two-year-olds either for laying or breeding. After that they should be discarded, sold as fowl when the price is good during Jewish holidays. Numbered metal leg bands are necessary and a great help to fancier or utility man who is up-to-date in his business methods, but the numbered band alone generally necessitates looking up the records to discover age and past performance. Usually too the metal band is a permanent band put on to stay, and with large flocks few will be so banded. The colored celluloid band provides for instant identification as to age or mating. The bird can be identified as far as you can distinguish colors. For instance, let a white band indicate 1912 hatch, a red band 1913 hatch and a blue band 1914 hatch. Use any plan of color identification your fancy dictates that comes within the scope of the nine available colors (if there is a demand it is probable that more colors will be supplied, but nine seems plenty for all practical uses). When you see a colored band you know the age of the bird, without having to look it up. When the 1914 pullets are well grown you will be selling off the white banded 1912 hatch birds and some of the least promising of the red banded 1913 hens. The plan has Grandma's old-fashioned tying of colored yarn about a hen's leg beaten to a frazzle as a means of identification.

* * *

George Lee in the Poultry Item says: "What is a good, fresh egg from well fed, healthy stock really worth? If we have been accustomed to paying ten cents a dozen, then we will consider twenty cents a dozen as extraordinary and inexcusable. If, however, we had been used to paying one dollar a dozen, then we would consider sixty cents a dozen a downright bargain. Personally, I would much prefer a couple of good, fresh eggs at five cents apiece rather than ten cents' worth of beefsteak. But, then, preferences don't count. We have to pay a premium if we want goods of any kind that are scarce, and just so long as the great majority of home owners prefer to consume rather than produce, then just so long will eggs maintain or advance in price."

* * *

Somebody has designated John H Robinson, editor and owner of Farm Poultry, "the veteran editor" and "one of the oldest writers of the country on poultry topics" and he modestly objects. He says:

"According to the rule for admission to the veteran fanciers' reunion at Boston, which is the only standard I know for determining what constitutes a veteran, the first requirement is that a man shall be sixty years old. I cannot qualify on that count for another decade. The next condition is that he must have been in poultry twenty years. Editorially, I am still several years shy on that count. So, while I appreciate the reference as in a sense complimentary, I can't accept the designation."

There you are, friends, your gifts are politely returned with thanks; hirsute facial adornment don't make a veteran, though more popular in earlier times. Such modesty is most welcome and becoming. We first knew our friend "the pioneer" some sixteen years ago and at that time supposed he was "a real Methuselah" among poultrymen. Probably the mistake was due to the glamor of adolescence. Anyhow he has sadly neglected to cuss us lately and we may begin to feel lonesome.

* * *

Some folks are born with hen sense, some acquire hen sense, but very few ever have hen sense thrust upon them. It is surprising how few people have any hen sense and how few are really able to "see a hen"; i. e., recognize the individual, quickly note its condition, see health and constitutional vigor, and quickly recognize any deviation from normal balance. Mighty few can recognize the early symptoms of disease or first loss of good condition, and they can only see disease when it has already advanced so far that it is well nigh incurable.

The man who constantly refers to hens as fool animals and says that they do not possess any sense or intelligence is apt to be the real fool himself. He

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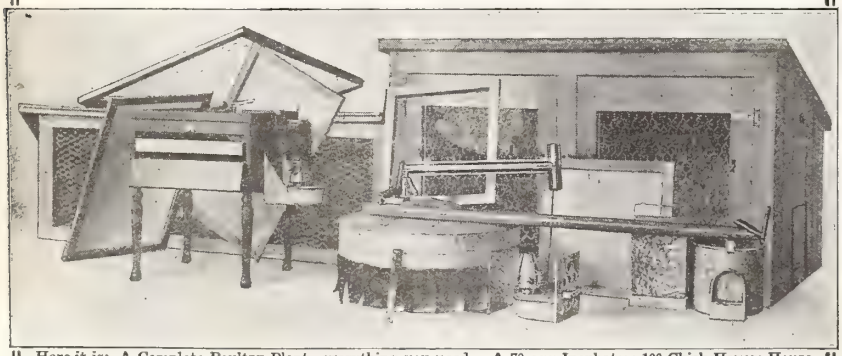
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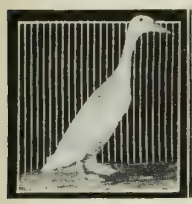
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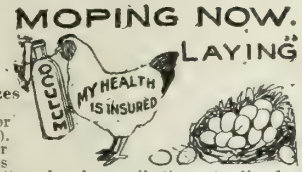
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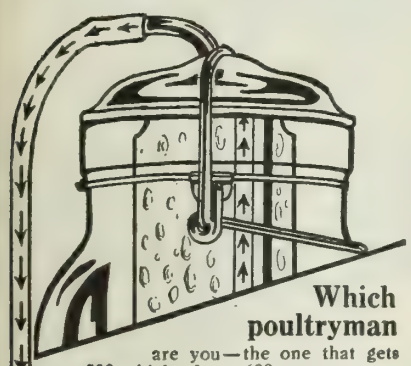
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NO MOPING NOW. "I'M LAYING"


Disease Paralyzes the crop (totally or partially). Why pour medicines into a "paralyzed crop," there to lie dormant, while disease destroys?
GET OCULUM AND INJECT
it, and Cholera, Roup, W. Diarrhea, Blackhead and Leg Weakness will "get out and stay out."
"You have opened a gold mine for the chicken man." J. S. Hendry, Louisville, Ky.
Dealers, 50c. and $1. If skeptical (doubtless you are), dime (postage), brings either size. Send bal., if O. K. Agents needed. Literature free. Your move next.
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STOP Chicks Dying In the Shell

Which poultryman
are you—the one that gets 500 chicks from 600 eggs—or one that gets 500 chicks from 1,000 eggs?
The EFFICIENCY and modern methods in other lines now apply to the hatching of chicks in incubators.
Your chicks die trying to burst the shell—or soon afterwards from white diarrhœa caused by being poisoned by the carbon-dioxide gas they throw off in the air they breathe. During the last three days of the hatch you can save practically every chick and make it vigorous so that it will resist chick ills by using the
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to supply them with moist oxygen. Can be attached to any incubator in five minutes. Self-operating—no watching. One can be used for several incubators Lasts a life-time. Multiplies your profits on every hatch. Write for free literature or better still write for a VITALIZER. The price is only $3.50 parcel post prepaid, and it will buy itself in one hatching.
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lacks hen sense and he doesn't get a look at things from the hen's viewpoint. If you don't try to make hens and chickens do things that are contrary to what Nature intended them to do, you will find that hens and chickens are intelligent and sensible enough and that they are very apt pupils, learning their lessons quickly and very thoroughly. Think it over. Do you know any baby animals that show more ability to make their way in the world, that learn any more quickly, or that take care of themselves any better than baby chicks? If you give them a chance to live in comfort they practically raise themselves, but if you fail to use hen sense in handling them you can quickly teach them enough bad habits to ruin the whole brood. When things begin to go wrong don't cuss the hens and chicks and call them fools; see if you can't find some fool fault under your own hat.

* * *

December Poultry Index says: "Our hat is off again to the great, big, beautiful number of the 'American Poultry Journal,' which reaches our desk just as we go to press for this number. It is far and away the best poultry journal we have seen in the country. Dr. Woods celebrates the conclusion of his third year as editor by giving his readers plenty of right down wholesome reading of the highest class."

Thank you, Editor Standish, a sincere compliment is always appreciated and doubly so from "home folks."

* * *

Most things in life are largely matters of habit. Poultrymen, their fowls and chicks are all creatures of habit. Why not try to form a habit of universal comfort, health and right living for man and fowl?

Your grandfather and mine, and your parents and mine, all probably had the winter flannel habit. Even today there are many unfortunates who itch and scratch with heavy flannels every fall, swelter in hot rooms and conveyances through the season and wonder, in discomfort during the warm early spring days, whether to "put on, take off, or go without." But the day of the old time ribbed red or blue wool undergarments is passing except, perhaps, in the lands where it is many degrees below zero most of the time. We haven't worn anything heavier than short sleeved summer weight undergarments for a number of years and rarely have a cold nowadays. Actually wear less, bundle up less in cold weather than was customary several years back. The rule holds with the whole family and all sleep out of doors, or in a cold room with windows wide open. It is a habit, a good habit, and one that promotes better health.

We know men and women who swaddle themselves to death in winter with a big weight of thick garments and who can't sleep in a room with the window open, or who take cold in the least draft of air from an open window or door. That's habit. Bad habit. Such persons have severe and distressing colds a good share of the time, while others go about in thin garments, low shoes, thin silk stockings, low collars, or low neck garments, and never have a cold.

Cold is largely habit. Heat is largely habit. Comfort, regardless of heat or cold, is the best habit to acquire. Get the habit of being comfortable, of using an abundance of pure out-door air day and night, of deep breathing, wholesome food and right living. If pure out-door air was sold by the ounce you couldn't get enough of it, but because it is free, most of you are afraid of it and try to shut it out of your lives.

Men sleep out of doors without a superabundance of clothing and are comfortable at many degrees below zero; they work in desert regions and roll up in a blanket to sleep out on the hot sands after a day's work at close

Greider's Fine Catalogue

and calendar of fine, pure-bred poultry for 1914. This book contains many pages of poultry facts. 70 different varieties, some shown in natural colors. All illustrated and described, tells how to make hens lay, raise and care for them, all about the Famous Greider Incubators and Brooders. Shows photo of the largest poultry farm in Penn. Prices of breeding stock and eggs for hatching and supplies within reach of all. A perfect guide to all poultry raisers. Send 10c for this noted book on poultry.
B. H. GREIDER, Box 101 Rheems, Pa.


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Greatest of all egg-making foods. Supply it fresh, get it low priced. Cut it at home with a
STANDARD Bone Cutter
(Greatly improved this year)
The cutter that handles bone in all conditions and doesn't break down. The favorite everywhere. It always makes good. Its easy turning, strength and nice work in cutting bones across the grain please every user. 12 sizes for hand and power, costing from $6.75 to $135. Send for free book.
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If you want more eggs from your hens, more fertile eggs and faster growing chickens, you want this new valuable book. It tells how successful poultrymen make their chickens pay big profits by proper feeding. **It tells how you can increase your poultry profits.**
A POSTAL WILL DO
Feeding Secrets of Famous Poultrymen
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to 140 degrees, and they suffer little discomfort, thrive and grow strong and red blooded. Children, diseased victims of the "white plague," play naked in the snow and grow whole and strong again.

Think about it. Take it into your your home and learn the fresh air habit. Harden off gradually without sudden and unnecessary undue exposure. Consider it in your poultry keeping. Chicks and fowls need fresh air even more than we do, for Nature intended for them to live always in the open. Provide for comfort and an abundance of open-air. Cold doesn't necessarily mean discomfort. Open-air houses are cold but comfortable. It is live air cold, not the dead air chilling cold of the closed house. The fowls have an abundance of clothing in their admirably arranged plumage.

Baby chicks are a bit more tender than adults or growing stock, they have less resistance and reaction. They need a place to warm up quickly in when they need warming. Most brooders have been made too tight and close. For a small brooder we like best one of the out-door type heated by a combination of hot air and hot water, well lighted and well ventilated; the heat supplied where it is wanted under the hover; the chill taken off the apartment just outside the hover and the exercise chamber practically without heat. We have used such out-door brooders on a bleak, but southerly, slope in the coldest February weather and have had excellent results with the little chicks running out of doors behind board wind shelters after they were a week old. Often at night, water, left in the galvanized iron fountain inside the front section of the brooder, would freeze nearly solid. The chicks thrived and grew rapidly, with little loss, and had big strong frames, big sturdy legs and great lung capacity.

Weaned and growing chicks, allowed to occupy open-front colony shelters at first and then to roost in the pine trees, made wonderfully good development, big frames, broad backs, deep bodies, full breasts and big, strong legs. When killed for the table these chickens had big, healthy, wholesome lungs, bright and clean. It takes good lungs to make a good animal, be it man, beast, or fowl.

Stale air, bad air, over-heated air, breathed-over air is the kind that causes colds, breaks down disease resistance, and makes trouble. Open-air, especially open country air, is always good, and it is free. Don't be afraid of night air. It is usually better than in the day time.

Get the open-air habit and stop being afraid of cold and colds.

———o———

1911 Issues of A. P. J. Wanted.

The Poultry Division of the Central Experimental Farm, Ottawa, Canada, is very desirous of securing back numbers of American Poultry Journal as follows: January, February, March, April, May and November, 1911. If any of our subscribers can furnish these they should correspond with Victor Fortier, Assistant Dominion Poultry Husbandman, Central Experimental Farm, Ottawa, Ont., Canada.

Time is worth money to you Mr. Poultryman! Breeders have said that the "time saved in packing eggs is worth the price of the **REGAL EGG CARRIER.** It takes but a moment to pack a **REGAL** when it is ready to go to any part of the country. **B. W. Plane, Box 5, Belvidere, Illinois**

Please read big three combination offer on back inside cover

BOWDEN'S WHITE WYANDOTTES

At the **Big Cleveland Show**, January, 1914, I won 1st and 2d Cock, 1st, 2nd and 5th Hen, 2nd and 3d Cockerel, 1st and 2nd Pullet, 1st and 5th Pen. Sixteen exhibitors and 109 birds in class. Won display with as many points as my 15 competitors combined. State championship cup. Write for large illustrated mating list; it's free and I want you to have it. It gives prices of eggs, day old chicks and 2 months old chicks. If you don't get some of my stock we both lose money.

Sherman Bowden -:- Life Member A. P. A., State Sec. White Wyandotte Club -:- Mansfield, Ohio

PARSONS' S. C. WHITE ORPINGTONS

At Toledo, January, 1914, *I won three firsts, two seconds*, one *third, two fifths*, three silver cups, *best cockerel, pullet*, and best *display*. Also winners at *Cleveland*, 1912; *three times winners* at Cleveland, 1913 and '14. I had *every bird* placed at *Toledo*, 1913, including *three firsts*. Show birds of *exceptional quality*. Also first-class *Breeders* and *Utility Stock* at reasonable prices. *Grand Pens* mated for egg trade. Limited number of Baby Chicks. State your wants plainly.

PARSONS' POULTRY PLANT -:- -:- -:- AVON LAKE, OHIO

N.A. Contest 282 Eggs

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WHITE WYANDOTTES—BUFF ORPINGTONS—S. C. R. I. REDS
Imported Direct from England

1st Prize and Cup in the Missouri Egg-Laying Contest, 1912-13; 1st Prize and Cup in the Phila. North American Egg-Laying Contest, 1912-13, 5 hens laying 1190 eggs, an average of 238 eggs per hen. We can furnish a limited number of eggs for hatching from prize winning pens famous the world over. Poultry experts state this strain to be the most profitable poultry in America today.

WORLD'S CHAMPION LAYERS

We have imported more high grade English stock than all other American breeders combined.

The American Home of the English
Winners of the Missouri Egg-Laying Contest, 1912-13

which made the wonderful record of 2073 eggs, seven hens laying 258, 246, 243, 226, 219, 219 and 208 respectively. We TRAP-NEST EVERY LAYER every day in the year.

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THE PENNA. POULTRY FARM
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THE GREATER BUFFALO POULTRY SHOW.

Clever in Arrangement—Attractive in Display—Grand in Beauty and Valuable to the Poultry Industry. By H. P. Schwab, Eastern Representative A. P. J.

WE wish to give due thanks and all possible credit to the International Poultry Association of Buffalo, N. Y., for their first Greater Buffalo-All America Poultry Show held November 24 to 29, 1913, for in beauty of arrangement, quality of display and with good will and feeling everywhere it has made and has well filled a nook high in value to every poultryman. Mr. President James O. Moore, we again say we are proud of you, that your many years in the fancy has fitted you to carry out your great work is evident and we can say the same of Secretary Drevenstedt; his friends are loyal and his support unlimited. Vice-President Hugh A. Rose, the directors and Superintendent August J. Braun all did their duty well, and there is glory enough for all in the success of this great exhibit.

The Auditorium was beautifully decorated with evergreens and seasonable flowers were placed in places of vantage along the aisles, making it an in-door park with seats to rest and visit and to view the grandeurs of nature amid poultry-life. Here was poultry almost without number, and from nearly every state, including California. Canada was well represented, and as usual quite a bunch of United States gold crossed the border. These Canadian breeders are strong in copping our prizes and our gold. We were particularly interested in seeing here the S. C. Brown Leghorn exhibited by Williams Bros. and Brace, Fullerton, Cal. Mr. Brace formerly lived at Victor, N. Y., a man and breeder for whom we have always had highest regard.

The total number of specimens exhibited was 3,805, of which 2,221 were in the poultry classes; Bantams, 311; water fowls, 125; turkeys, 32; pigeons, 372, etc., making it a complete and well balanced exhibit.

Features of the show, beyond exceptional classes in several varieties, were: The large and original display of turkeys in pens on the floor; this was most attractive and freely commended. The egg-laying contest between several pens carried with it unusual interest, with lively bidding for the winners. The display of wild and fancy water fowls and of wild birds was much admired. The great pair of live American eagles were admirable.

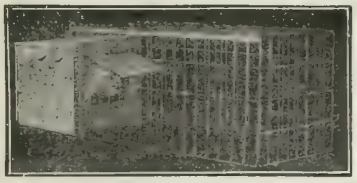
But for all, the one great feature of this show was found in the buying and selling of poultry. Sales were made daily and at the best of prices. One exhibitor told us he had sold over $1,600 worth of stock and eggs during his week at Buffalo, while the sales of two others were well over $500 each; another sold four birds for $250, and any quantity of sales from $50 up were reported to us. It seemed as if everyone came to buy and the exhibitors were awake to their interests and were ready to sell in most cases.

We did not arrive in time to attend either the association or the Geo. Urban, Jr., banquet, and know we missed a treat. These social affairs are also a Buffalo feature; we hope to miss no more of them. Our short stay there was one filled

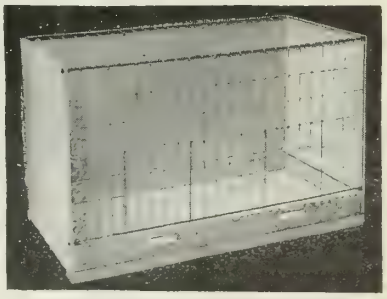
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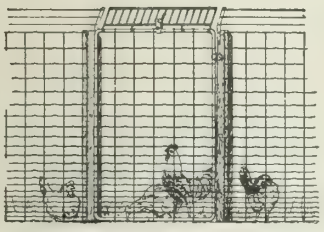
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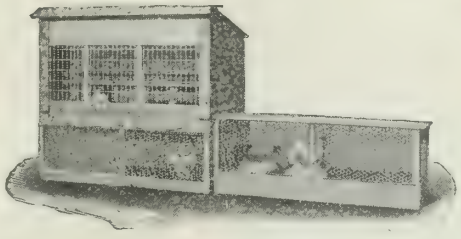
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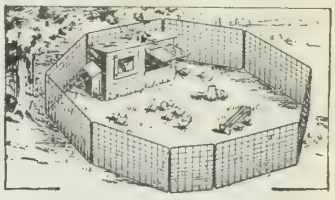
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Model Poultry Hennery

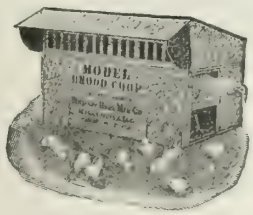


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Model Fireless Hover With Yard
Price $1.25. Half dozen $6.90



Model Brood Coop



Economy Trap-Nest

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with interest and pleasure for which we are grateful.

The Exhibition and the Winners.

Barred Rocks were not the usual class seen here in numbers or quality; some were real good and some only fair. Mr. L. B. Resseguié, Millers, N. Y., won cockerel 1 on a fine shaped bird of grand quality; also hen 2, cock 5, pullet 2 and pen 1. This pen was of the best quality and well mated and was worthy of better competition.

First pullet was again won by Mr. John B. Weig of Buffalo, who has a regular habit of winning on pullets. W. H. Upham won first cock and C. A. Hickman first hen; he also is an old hand at winning them.

White Rocks, as in the past, from the Urban Farms, Pine Ridge, Buffalo, N. Y., won the leading prizes by taking cock 1-2, hens 1-2-4, cockerels 2-4, pullet 2, pens 1-2, best display, etc. This line is favorably known and has proven one of our very best. In Black Langshans this farm also won cock 1, hens 2-3-4, cockerels 2-4, pullets 2-4-5, pens 1-3. We believe all the winners in this class line back to this strain.

Buff Rocks, a class of rare quality, with the Nescopeck Poultry Farm, Nescopeck, Pa., winning cock 1-3, hen 1-2-4, cockerels 1-5, pullet 3-4, and pen 1. This is an old favorite line that has won for years at New York, Boston, etc. The winning cockerel and the females were all exceptional quality birds. Here also fine birds were shown by D. P. North, whose winnings include first pullet.

Columbian Rocks, the best class seen out this year with F. G. Bean, winning a great record. Mr. Lew H. Brown also won well.

Partridge Rocks, a nice class of very fair size.

Wyandottes.

The White Wyandottes were the banner class of the show, with 169 birds shown by several well known breeders, making it a royal class. Onlya Farm, Florham Park, N. J., winning cock 1, hen 1, cockerel 3, pullet 3, pen 2 and specials. The winning cock, a corking fine one with rare type and extra head, nice spready tail and full, round and deep breast has this line's characteristics well stamped in his entire make-up. Condition of this line very fine.

Mr. Joseph Russell, Toronto, Ont., won cock 4, cockerel 1-2, pullet 4, pen 4.

Sunnybrook Farm, Eatontown, N. J.,

Young's Strain S.C.W. Leghorns

I HAVE NO OTHER BREEDS

They are the standard for all the Leghorns of all America, and the greatest layers of all domestic fowls.



FIRST PRIZE COCKEREL MADISON SQ. GARDEN NEW YORK 1912-1913.
BRED & OWNED BY D.W. YOUNG, MONROE, NEW YORK.

At the World's famous and Premier Show of America at Madison Square Garden, New York, for the past 13 consecutive years I have won best display and from three to five first prizes, every bird being bred and raised by me.

Winnings at Madison Square Garden, winter of 1913, were as follows:

A STUPENDOUS VICTORY

Cocks, First, Second and Fifth
Hens, Second, Third and Fourth
Cockerels, First, Third, Fourth, Fifth
Pullets, Fifth
Pens, First

Groves Trophy, value $500.

Elmhurst Sterling Silver Cup, value $150.

N. Y. State Cup, value $50.

N. S. C. W. Leghorn Club Medal for best cock, best cockerel, best pen and best display.

The Association $10 Gold Special for best display and Grand A. P. A. Medal, value $50, for best bird in whole show, all var. competing.

This bird is the most superb specimen that has ever been produced of any variety. This achievement was made possible from a thorough knowledge and scientific practice of line breeding for over 35 years, and from a strain that has been bred by our family since 1855, making it the oldest strain of Leghorns in all the World, the male line never having been broken by adding new blood. The **Young Strain Characteristics** follow through all my yards and my matings this year should be superior.

WATCH the Show Reports throughout the United States and Canada, and you will find that Young's Strain predominates and wins the coveted prizes and lays the greatest number of eggs.

Hundreds of the grandest cockerels ever bred, for sale. **Remember you cannot win without my strain**

MATING LIST FREE, ADDRESS

D. W. YOUNG, MONROE, NEW YORK

won hens 3-4, pullet 6. Their line was finely shown and of best possible type, we considered their cockerel and an unplaced hen, No. 189, very fine and rare specimens. In Columbian Wyandottes, they won cock 1-2, hen 1-2, cockerel 1-2, pullets 1-2-4, pen 1. This pen, for grand Wyandotte type and fine even quality and markings is as good as we have ever seen at any show. First cockerel has an exceptional hackle, fine tail, etc.

Silver Wyandottes, a strong class, with W. H. Leidy a leading winner.

Rhode Island Reds.

The Single Combs were a class of 115 birds of the best of best grade and plenty of quality seen in every class and Cupp, Houck & Alt, 87 Fuller St., Buffalo, N. Y., added many honors to their long record of winnings here and at other shows. They won cock 1-3-5, hens 3-5, cockerels 1-3-4, pullet 4, pens 2-3-5. First display color and shape male specials, etc. This is the fourth year they have won first prize cockerel at Buffalo. They won first pen for three years and this season won 15 more points for best display then any other exhibitor. Their line sure does show breeding and winning quality.

Mr. E. M. Dutton, Newfaire, N. Y., won cock 2, cockerel 2, pullet 1, pen 1, and in Rose Combs hen 3, cockerel 1, pullet 1-3, pens 1-2.

Mr. C. E. Riley, a Rose Comb breeder, who has won here for years, was caught with his old birds in moult and young immature, so only exhibited a very few which to our notions were beauty specimens, his cockerel very fine in head and one of the best colored and shaped birds we have seen.

Leghorns.

The S. C. White Leghorns, always strong here, were a larger class than usual and as a rule better. There were 149 birds shown. Moore Brothers, Moscow, N. Y., won a famous record with worthy birds well shown, they won cock 1-5, hen 2-3-4, cockerels 1-4, pullets 2-5, pens 1-2. First display and both shape and color female specials. Their first prize cock was a lordly beauty with a wonderful head, extra fine comb and ideal carriage and back. Their first cockerel was of similar type, a real beauty, also extra fine comb. Their line has been bred and has been winning for years. It is full of worthy quality.

Mr. Stewart Haddock, Poughkeepsie, N. Y., is another breeder well known who added much honor to the value of his line here by winning cock 2-4, hen 1, cockerel 2, pullets 1-3-4, pen 3-4 and specials. This line showed grandly and very strong in both males and females, size, shape and carriage are gracefully combined. His first prize winning hen and pullet were admirable.

The Maplewood Poultry Yards, Attica, N. Y., had a splendid display of their stock, which shows fine character. In Pekin Ducks they won cock 3-4, hens 3-4, cockerels 2-4, pullets 2-4, pens 2-4, best display, etc.

Mr. Albert Waldron, Titusville, Pa., won on S. C. W. Leghorn cockerel third with a bird of rare beauty and type, exquisite head, etc. We expect to see more of this line, for such birds have the real quality and he was young and not at his best condition.

Rose Comb White Leghorns were one of the best classes we have seen in years. The Turtle Point Farm, Saratoga Springs, N. Y., won cock 1-3-4-5, hens 4-5, cockerel 5 and Pen 1. Other winners here were A. F. Almendinger, Mrs. W. L. Haynes, etc.

S. C. Brown Leghorns, with 78 birds shown, was a beauty class well shown and of high merits all through. Rockefeller and Hubbard, New Haven, Conn., won cock 2, hens 2-3-4, cockerels 1-3-4, pullets 1-3-4-5, pen 1, display first and specials. Their winning pen was grand in quality and mating and was headed by a royal styled and quality male, the kind of pen one is glad to see at any show.

Henderson and Billings, St. Mary's

MYERS

BARRED PLYMOUTH ROCKS

The Pullet Breeding Line

AGAIN makes another Madison Sq. Garden, New York, show record. THEY REPEAT, and for the second time in succession I win FIRST PRIZE HEN at this greatest of all shows, also Special for

CHAMPION FEMALE

My complete record is: **Hen, First and Fifth; Pullet, Second and Third; Pen, Third, and Special for Best Female in the Class.**



This, with my former winnings at this show, Philadelphia, Hagerstown, etc., made with birds of **my own breeding** tells the story of their quality and worth.

500 Cockerels and Pullets for Sale

These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder who wishes to improve his flock and breed choice exhibition and quality birds. They are the kind to bank upon for success. I will sell in lots and quantity to suit, and assure absolute satisfaction.

Selected Breeding Cockerels, $5, $7.50, $10, $15
Selected Breeding Pullets - $3, $4, $5 to $10
Trios - - - $10 up. Pens - - - $15 up.
A Special Pen of Male and 4 Females for - $25

Remember I select and mate all birds sold.. Write me your wants.

Eggs for Hatching

Catalogue now on press. Let me send this to you—it tells the story of this line in breedings, winnings, matings, etc. It also describes the birds, with prices and general information. Write today.

C. N. MYERS, Box A, Hanover, Pa.

Ont., won cock 4 on a bird of fine shape and color. In R. C. Browns they won hens 2-4, cockerels 2, pullets 1-4. In S. C. Buffs cock 1-2, hen 5, cockerel 4, pullets 1-2. In S. C. Black cock 2, hens 1-2, cockerels 3-4, pullet 5. They breed all varieties of Leghorns and have made records at our best shows here and in Canada. Their late record at the "Ontario" is a worthy one.

Williams Bros. & Brace, Fullerton, Calif., won in S. C. Browns cock 1, cockerels 2-5, on their three birds shown.

Orpingtons.

All varieties of Orpingtons were seen in quality here, it was a complete and very fine exhibit of this popular breed. Wm. Cook & Sons, Scotch Plains, N. J., won all specials and display prizes in each class. Their winnings were: In S. C. Buff Orpingtons, cock 3, hen 4, cockerel 1, pullet 1, pen 1; S. C. Blacks, cock 1, hen 1, cockerel 2, pullet 1, pen 2; S. C. White, cock 1, hen 2, cockerels 1-2, pullet 2, pen 2. Their winning cocks in White and Blacks and their first and second White cockerels were the class of this variety, birds of unusual quality and the best possible type.

Dark Cornish.

The Dark Cornish numbered about 60 birds and again proved their new popularity. They were seen here at their very best in quality. Mr. John W. Ward, Jr., Pennington, N. J., proved again to be a popular winner with cocks 1-2, hens 3-5, cockerels 1-2, pullets 3, pen 1, best displays, etc. Mr. Ward is sure doing grand work for this breed. He is a hustler and we wish him every success, for the Dark Cornish have the quality to commend them.

Other winners were Ess & Forrestal, S. T. Avent, W. J. Elliott, etc.

Campines.

Silver Campines brought out a class of 87 birds with several of our best known breeders exhibiting. Quality was seen in every coop and the winners have every reason to rejoice. The Manhattan Farms, 28 Main St., E. Rochester, N. Y., with their unbroken record of two years of phenomenal winnings won cock 2-4-5, hens 1-2, cockerel 4, pullet 1, pen 1. In Golden cock 1-2, hens 1-3-4, cockerels 2-3-4, pullets 2-3-4, pen 1. Best display in both varieties and nearly all specials.

Mr. H. P. McDonough, Newark, N. Y., a breeder of worth, who made a splendid record at the late N. Y. State Fair, won on Silver cockerels 3-4. On Golden, cockerels 1, and specials. This was an exceptionally fine specimen.

Other winners here were the Urban Farms, Pine Ridge, Buffalo, N. Y.; W. W. Bush, W. C. Franz, C. F. Weelock, Jas. W. Mills, C. W. Parkinson, P. W. Grieser, etc.

Other Varieties.

Anconas numbered about 90 birds and formed a splendid class well shown. The winners were fine quality birds and so were most of the others.

Silver Gray Dorkings, a small class, we regret to report.

But few Brahmas or Cochins shown.

Houdans, a very fine class of 36 birds. They were a beauty lot and seen to advantage. The breeders should push them.

Polish and Hamburgs were seen in all varieties, with the leading winners, Brakendale Farms, Forthill, Ont., and Richard Oke, London, Ont.

Turkeys in all varieties were shown and as penned made a feature display that was good to see.

The display of ducks and geese was very large and of special interest. The Pekin and Runners had very strong classes.

Bantams, a beauty lot, with competition very strong. Here Major Hugh A, Rose and Deacon Richard Oke had a royal battle for honors and glory. They both did very well.

We want to specially commend this Show. It was clean and beautiful, the management efficient and the attendance great. Its character will be felt as a benefit to the entire industry.

THE ROCHESTER, N. Y., SHOW.

The Exhibit of the Flower City Poultry and Pigeon Association December 15-20, 1913—Over 3000 Birds Shown. By H. P. Schwab, Eastern Representative A. P. J.

THE great and beautiful Exposition Park Building, filled with the new coops and with a beauty display of over 3,000 standard bred birds from many states, made a show worth seeing. Our time only permitted us to stay an hour at the show and we were again delighted in seeing a big and classy exhibit in our home town. The hall is one of the largest and best we have seen and has the best of light, the coops new and roomy and all well arranged with President Fred Guenther, Secretary Fallinger and Promoter-in-Chief George J. Otto in charge.

Many of the classes were extremely

Madison Square Garden, New York, Champion

White Plymouth Rocks

WIN ALL HONORS AT THE NATIONAL SHOW
Held at Washington, D. C., December, 1913

Their record is unbeatable, like their superior quality. At this great National Exhibit they won Cock 1-2, Hen 1-2, Cockerel 1-2, Pullet 1-2, Pen 1 and all Specials. **At Williamsport** this season they again made their second great record, and at Cleveland, Ohio, Chicago, Ill., Boston, Mass., Philadelphia, Pa., they have proven their quality and won highest awards and honors over all, including six Championship Specials for Best Bird at these great shows.

Remember This Champion Line made its best records at America's Greatest Show, **Madison Square Garden, New York. They are now better than ever.** We have a great line of stock to select and fill orders with. They have the best of breeding quality and will give absolute satisfaction. Write for my **Special Sales List of Stock.**

Eggs for Hatching from selected matings, made on quality to produce quality. My circular and full particulars for the asking. Write me.

WEBSTER FARM, Box A, GIRARD, PENN.

Lichtenwalter's Quality

Buff Plymouth Rocks

For years they have won at the prominent shows, East and West, more prizes than any other line. They have the quality to win and to breed winners. Let me know your wants—I can please you.

Eggs for Hatching: For this year I have made but few matings. They are the best I have ever had, and from which I will sell hatching eggs without reserve. Circular and Mating List for the asking.

E. A. LICHTENWALTER, Box A, GIRARD, PENN.

large and fine, the Barred Rocks in particular being one of the best. Following we give some of the winners and notes on exhibitors seen.

Exhibitors and Winners.

The Barred Plymouth Rocks numbered 293 birds. Mr. L. B. Resseguie, Millers, N. Y., winning cock 3, hen 3-8, cockerel 2-9-10, pullet 1-6-7, O-pen 3-4, Y-pen 1-4, cockerel-bred hen 5, pullet 2, pullet-bred cock 5, cockerel 1. In S. C. Brown Leghorns, cock 1-3, hen 1-6, cockerel 2-4, pullet 1-6, cockerel-bred hen 1-2, pullet 1-2. In both these varieties Mr. Resseguie has been very successful winning in the past at Boston, Buffalo, etc.

Schwab Bros., Irondequoit, N. Y., winning in Barred Rocks, cock 1, hens 4-5-6-7, cockerels 3-4, pullets 2-4-5-8-9, O-pen 1-2, Y-pen 2-3, cockerel-bred hens 6-7-8, pen 1, pullet-bred cocks 1-2, cockerel 2, pen 1.

J. W. Chapman, Barnard, N. Y., cock 2-5-7-9, hen 2, cockerels 5-7-8, pullet 3, cockerel-bred hen 1-4, pen 3.

White Wyandottes numbered 95 birds. J. N. Price won cock 1-3, hen 9-10, cockerel 1-8, pullet 6-7, pen 4.

Long and Frank, cock 4, hen 5-3, cockerel 4-7, pullet 3-9, O-pen 1, Y-pen 3.

Buff Wyandottes, with 185 birds, were a great class with A. J. Cronoley, G. Williams, Bottons and Hawkins, L. W. Winner, A. J. Gies, W. S. Crandall, E. B. Fellows, the leading winners.

This was the Annual Meeting Show of the Columbian Wyandotte Club and found 127 birds in line; those seen were of fine quality.

Sunnybrook Farm, Eatontown, N. J., winning cock 6, hen 3-8, cockerel 7, pullet 5-8, pen 2.

W. B. Miller won cock 1-2-4, hen 7, cockerel 1-2-3-6, pullet 1-9, O-pen 1, Y-pen 3, and several specials.

Other winners were D. Link Orr, R. Woodward, C. J. Andruss, etc.

S. C. Reds numbered 154 birds, with C. Hanchet, C. C. Hart, O. H. Watts, W. W. Hewes, Chas. A. Tupper, etc., among the winners.

S. C. White Leghorns were the second largest class shown, with 214 birds exhibited, among the winners were The Sterling, P. Y. Nagel & Weed, C. A. Earle, E. B. Darrow, H. C. Burt, A. L. Wirth, etc.

Silver Campines, a fine class with good quality all through. McDonough & Bidwell, Newark, N. Y., winning cock 2, hen 2, cockerel 6, pullet 2-6. Other winners: W. H. Nagel, W. W. Bush, Sterling P. Y., etc.

In Golden Campines McDonough won three first prizes.

Black Langshans, a good class in both numbers and quality.

All the Orpingtons were in large classes and well shown. Polish Hamburgs, Lakenvelders, Games, etc., were seen to advantage.

Bantams were a great class with many pens seen. Ducks and geese and turkeys in rare quality and good numbers.

Pigeons, a beautiful display and a great entry. The cat department was also a feature and with a nice entry created much interest.

THE "ONTARIO" POULTRY SHOW.

Canada's Greatest Show Held at Guelph, Ont. By H. P. Schwab, Eastern Representative A. P. J.

THE Poultry Department of Canada's Great Winter Fair is of greatest interest to the breeders of the Dominion. It is their Madison Square Garden event and yearly for the past seven years we have seen from 5,000 to 7,000 birds exhibited there.

This year was the largest we have seen and we also believe it was the best one in quality. It was in all the classes of Plymouth Rocks we handled and to us it looked the same all through. The Canadians have every reason to feel proud of this show and to Messrs. McNeil, Oke, Saunders, Baldwin, etc., much of its success is due.

The entry in Barred Rocks was great and the winners of a class well qualified to show and win in any company. Mr. Jno. Pringle, London, Ont., winning cocks 1-2-3, hens 1-3-4-5, cockerels 1-5, pullets 1-3. His first prize cockerel winning special for best cockerel in the show. His birds were well finished and well shown. Mr. Pringle also breeds S. C. Reds and White Wyandottes and got good mention in all. We regret that we mislaid his winnings in these.

White Rocks, also a very large class, with size and form features. Mr. J. L. Brown, Seaforth, Ont., winning cock 1, hens 3-4-7, cockerel 8, pullets 2-3-7-8, best collection and specials.

They do not issue catalogues there, so can't give full report as we would like to.

Buff Rocks, a beauty class, every bird shown a good one. Mr. J. Bawden, Ridgetown, Ont., as is his custom, won most all as follows: cock 1-2, hen 1-3, cockerel 1-2-3, pullet 1-3. All these are worthy of special mention, for in form and color they are hard to beat. We hope Mr. Bawden will cross the line and show his goods.

Partridge Rocks were good classes, but they had to compete with Columbian Rocks for honors.

Orpingtons are very popular here and in Whites, Wm. Moore, Hamilton, won cock 1, hen 3, cockerel 4. Mr. Moore has won at Buffalo, New York, etc., in the past.

Mr. J. W. Clark, Cainsville, also has the habit of winning for some years here in Buff Orpingtons. This year he took down cock 1-3-4, hen 2-3, cockerel 1-3, pullet 2-4.

Petrie and Christie, Mt. Hamilton, Ont., won on White Orpingtons, cock 4, hen 1-4, cockerel 3, pullet 1-2, and several specials for shape, etc.

Mr. Harry Taylor, Toronto, Ont., the pre-eminent breeder of Houdans, won cock 2, hen 1, cockerel 3, pullet 2. We, like many others, considered his cock the best Houdan male and that he should have been an easy winner. He had crest, comb, color and shape superior.

Henderson & Billings, St. Marys, Ont., breed all the varieties of Leghorns and



Send for new Illustrated Catalogue and Mating List and book your order early. We will satisfy you.

"PREMIER"

PARTRIDGE WYANDOTTES

For Utility and Beauty

Partridge Wyandottes are daily demonstrating their **wonderful merit** as **utility fowl,** and are rapidly displacing the older breeds. As to **fancy quality,** the "Premier" Partridge Wyandottes have been awarded more First Prizes than any other strain of this variety in the world, winning the majority of the ribbons at New York, Boston, Chicago, Hagerstown, Cincinnati, Nashville and Knoxville.

EGGS FOR HATCHING. BREEDING STOCK. EXCELLENT VALUES IN $5.00 AND $10.00 BIRDS.

SHEFFIELD FARM H. B. Hark, Mgr. Poultry Dept. GLENDALE, OHIO

won S. C. Browns, cock 1, cockerel 7, R. Combs cock 3, hen 1-2, cockerel 1, pullet 1, best collection and all specials. S. C. Buff, cock 1, pullet 1, cockerel 3-4, best collection and specials. They also breed Black Leghorns, but did not show them here. Their R. C. Browns are of same size and type found in the best of the Single Combs, and are commendable. They have been breeding for years and also are winners at Buffalo and other shows over on this side.

The class of White Wyandottes numbered nearly 300 birds and contained the best that skill could breed and money buy. In this great beauty class Mr. Sid Saunders, Ingersol, Ont., won, hens 1-7, cock 8, cockerels 2-7-8-10 (79 competing), pullets 2-3-4-5-6-7 and 9th (79 competing), the $50 club silver cup and the Bullock Memorial cup for best cock, hen, cockerel and pullet, special for best hen, special for best cockerel and pullet, best collection, etc. Judge Andrews highly commended this class of birds and this splendid record made by Mr. Saunders.

Our old friend, T. A. Faulds, London, Ont., forever known as a Black Minorca breeder, was not exhibiting them this year, but instead did show a few of his S. C. Reds and we regret we did not get list of these awards. Mr. Faulds stands safely and strongly with the Minorca breeders and his past records at Madison Square Garden, New York; Philadelphia, etc., are pretty well known to all our readers.

In all varieties of Leghorns, Minorcas, Dorkings, Hamburgs, etc., the entry was large and the show complete.

Turkeys were a feature class, as was also the display of dressed poultry.

The annual poultryman's banquet was the event of the week. It was a feast worth while. President Moore of the Buffalo Association, and Mr. Geo. Urban, Jr., were both heard to advantage. Professor W. R. Graham, who has charge of poultry at the Government College, was called upon as "Our Dick," and responded in his usual modest manner. Mr. Graham is a man of wide experience and his work at Guelph has been most valuable to the industry in Canada. They know and appreciate his value fully.

THE PHILADELPHIA, PA., EXHIBITION.

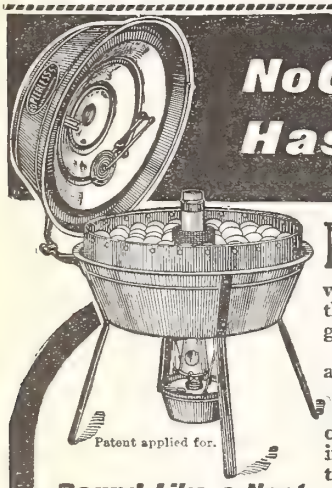
Eighth Annual Philadelphia Poultry Show Their Largest and Best—Prominent Visitors—Sales Made, Etc. By H. P. Schwab, Eastern Representative A. P. J.

PHILADELPHIA has given the poultryman seven grand shows in the past, exhibitions of worth and value that has placed this city in the front and kept it there as a show of value where the best possible quality was required to win and which has placed a high value on their awards, but good as the past has been, this eighth annual exhibit just closed far surpassed all their former efforts in size and in evenness of quality noted in all classes, further it was one of the very best handled shows we have ever seen and President H. D. Riley and Secretary F. E. Gilbert and those connected with them deserve every consideration and all credit.

The great classes of birds were a feature, for, besides numbers, the quality was there. The total entries numbered very close to 3,500, with features in every class, the display of eggs was exceptionally large and interesting. Incubators and poultry supplies of all kinds and makes were displayed and coal brooders and stoves demonstrated their popularity .

The big feature of the show was the booth the management supplied for exhibitors and visitors and in which subscriptions were taken for all poultry journals under the direction of Ex-President Moore. This proved a great suc-


56 BREEDS Chickens, Ducks, Geese and Turkeys. Hardy, northern raised, pure bred, of finest plumage. Fowls, eggs and incubators at lowest prices. America's greatest poultry farm. Send 4c for large, fine 19th Annual Catalog and Poultry Book.
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Patent applied for.

No Other Incubator on Earth Has the Features of This

$6 DELIVERED

NEW methods—new processes—new labor saving materials—these and 25 years' experience have made possible the latest addition to the great Peerless Blue Ribbon line of incubators—the little metal wonder, the "Peerless-60." No other incubator you have ever seen has the design and features of this. No other incubator you have ever used has given the results **this** is giving.

More than 11,000 of these incubators were ordered before one line of advertising appeared—months before the hatching season. Why? Because in design, in results, in economy, the Peerless stands unique—the climax of the genius of Sheer in incubator design. One poultryman, after test, ordered 50. With even just one Peerless Hatcher and a few feet of space in your back yard you can add $150 to $200 to your income. **Results**—that's the answer.

Round Like a Nest

No cold corners. The Peerless is just nature, that's all. Natural Heat. Natural Ventilation. Natural Moisture.

In the Peerless, eggs are heated **from above** with the patented triple wall heat radiator. All heat is used—that's economy. Regulation of heat, ventilation and moisture are all automatic. The machine is equipped throughout with the famous Sheer fixtures. The wonderful Sheer Wafer Thermostat Regulator **automatically** turns lamp flame up and down to meet temperature in egg chamber. Overheating of eggs is impossible. It uses less oil than any other incubator on earth of same capacity. Four of these machines, with a capacity of 240 eggs, will use **one-third less oil, require less attention and give more healthy chicks from the same quality of eggs than any 240 egg machine ever built.**

This is the **first** practical, **all metal,** fireproof, everlasting machine ever produced. The **first** machine of its size with a perfect heating and heat distributing system. The **first** incubator ever produced alike adapted to the **largest** poultry raiser, and the **beginner** with one machine as well.

Why the "Peerless-60" Is This Size

Experience has **proven** the small machine the most profitable. **Nature** knows that eggs to hatch must be newly laid. No man ever lived who could be sure of being able to place hundreds of eggs of equal fertility in a machine all at one time. The Peerless-60 is the absolute unit. **Small** enough to give the greatest efficiency. **Large** enough to give the greatest economy. **Good** enough so it will last for years—just add more units as the plant expands.

Not a "Leader"

The Peerless-60 is not a bait to get you to answer this advertisement with the hope of selling you a higher priced machine. It's not a cheap machine designed to "get you interested." It is true that the price is absolutely unheard of. Never before has such a price been named on a highest grade machine, delivered—but remember the price is the price fixed by **enormous production, new materials, new processes, new design.** The Peerless-60 could be no better at ten times the price. Of no other incubator ever sold at anywhere near the price could this be said.

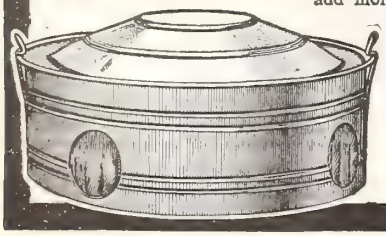
Let Us Send You the Facts

We could not tell you in ten times this space all the facts concerning this revolution in incubators. We want to put these facts in your hands. Let us tell you the story of the Peerless-60, why and how it was produced, how it is made—the wonderful new application of the principles of artificial hatching. You are safe in sending your order **now**—today, but if you wish, write us for the whole story.

Special Introductory Offer

When you figure the cost of an incubator figure its cost set down. Figure the freight. The special introductory price of the Peerless is $6.00, delivered to you. This offer is made to give the widest use to the Peerless in the least possible time. It may be withdrawn any time. Now is the time to secure the Peerless. Save the freight now. $6.00, delivered.





The Peerless Brooder all metal—fire-proof—heated but lampless by a simple device that gives no bother and keeps chicks healthy, comfortable and warm, no matter what the weather. It's of 60 chick capacity—a companion to the Peerless-60 Incubator. Here is the perfect brooder—the one you have wanted, for..... **$3.00 Delivered**

H. M. SHEER CO., Dept. 13, Quincy, Ill.

cess and is the coming plan to our notion. Subscriptions were freely handed in, keeping two to four clerks busy and the visitors were free to enjoy the show as they wished without being held up at every crossroad.

Another feature here was the "Flea Banquet." The first banquet was held here a year ago and this will be an annual fixture. Many new members were initiated and the "Flea" is proving more popular than ever before.

The display of incubators, brooders and supplies was very large and most complete with all representatives kept busy.

Visitors prominent in poultrydom were daily recorded and included President E. B. Thompson of the A. P. A., and son, Mr. and Mrs. Frank J. Eppele, Hon. Frank S. Barr, August D. Arnold, A. J. Fell, Frank McGrann and others of note.

The Exhibitors and Their Winnings.

The best class of Barred Rocks we have ever seen in Philadelphia were shown here this year. It was a great class of superior merit and quality and this fact known will place due honor on all. Mr. C. N. Myers, Hanover, Pa., with his now famous "Lady Beautiful" strain of pullet breeders, won more and greater laurels than ever before. His birds were simply unbeatable in quality and condition. His winnings are: hens 1-3-4-5-6, pullets 1-3-5-7, pullet-bred males 1-3-4-5, pullet mating pen 1, color special female. His first prize hen winning also championship sweepstake special for best hen in the entire show, an honor seldom won by a parti-colored variety and was richly deserved. His birds have shape and wonderful color and barring and are a most worthy line grandly bred and shown.

Mr. R. J. Walden, Middleburg, Md. fresh from his great winnings at Williamsport, but with birds a little past, won hen 2, pullet 2, pullet-bred males 2-6, special for best shaped female, etc. Mr. Walden breeds the pullet line exclusively. He won first hen at Hagerstown this fall and won three first prizes at Williamsport four weeks ago in a large, strong class. His line is favorably known for its years of winning at popular shows.

Mr. S. M. Goucher, Moorestown, N. J., another of the old and reliable breeders of this section, made a splendid showing and won cock 3, hen 8, cockerel 3-6, pullet 4, cockerel-bred female 1, exhibitor's pen 2, cockerel-mating pen 1, and pullet mating pen 2, and several specials. His cockerel mating pen is one of the best we have seen, the females strongly barred, still very clean. The male, a youngster of exceptional quality, a rare beauty. First cockerel-bred hen a bird hard to beat, ideal in shape and grand color.

The Meadowbrook Farm, Meadowbrook, Pa., with our old friend, H. M. Kenner in charge, made their first exhibit of Barred Rocks, and won cock 7, hen 7, cockerel 2, pullets 6-8, first prize exhibition pen and specials. Mr. Kenner is started right and will hang rings of honors on this line in due time. Note this.

First cock was won by Yale Bartholomew, and first cockerel by the Burlington Poultry Yards, both bright clean cut birds of sound barring.

There were 160 birds in this beauty class, with other winners as follows:—Willow Brook P. F., Paul Whitebread, Chestnut Hill, P. F., Minch Bros., C. Guy Myers, C. F. Kurtz, Miss M. J. Healy, C. E. Hollacher, H. Maitland, G. W. Haywood, S. S. Bossert, W. L. Day and H. B. Cooper, Jr., and Geo. E. Muth.

White Rocks, a class of 95 birds, the winners and many others exceptionally good with conditions a feature. The winners here were: P. G. Springer, C. C. Burrough, Meadowbrook Farm, A. L. Russell, C. Hoelle, W. H. Harrison, etc.

In Buff Rocks 40 birds were seen and a usual high grade quality noted. The winning males by Wm. J. H. Goetz, were particularly good birds.

Columbian Rocks, a rather small class with nearly all honors won by M. L. Paul Graham, Collingwood, N. J.

Partridge Rocks, a beauty class, with Mr. W. F. Presgrave the leading winner here as at the N. Y. Palace, Hagerstown, etc. Other winners were: Ideal Poultry Yards, R. S. Anderson, John F. Mackay, M. H. Ivins, etc.

Silver Penciled Rocks, a small class, but of extra quality, with Mr. John F. Mackay, Bordentown, N. J., the leading winner. His first pullet was the gem of the class. Mr. J. W. Lippencott also exhibited a nice line.

Wyandottes.

In this class of 145, Judge W. R. Graves had full hands and plenty to do. He also handled the White Rocks and did a most acceptable job. The honors were freely distributed here among several breeders. Mr. J. J. Farrell winning cock 1, hen 1. Carr Brothers cockerel 2, and pen 1. A. C. Roberts cockerel 1, pen 2. Spring Valley Poultry Yards, pullet 1. Colonel L. Paul Graham hen 4,

Planet Jr.



No. 25 Planet Jr Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow

A capital implement for large-scale gardening especially. It has steel frame, and complete seeding and cultivating attachments. The hoes run close to row without danger to leaves or roots. Two acres a day can be easily worked with this tool.

You need these scientific soil-tillers to save time, lighten labor and get bigger crops from your farm and garden. Planet Jr tools are backed by more than 40 years' experience. They range from $2 to $100, and are fully guaranteed.

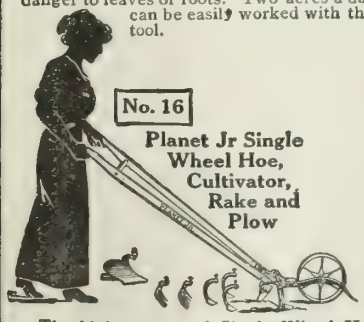
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No. 4 Planet Jr Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

This is a practical every day time-, labor-, and money-saver. It combines in a single implement a capital seeder, an admirable single wheel hoe, furrower, wheel-cultivator, and a rapid and efficient wheel garden plow. Sows all garden seeds in drills, or in hills 4, 6, 8, 12 or 24 inches apart.



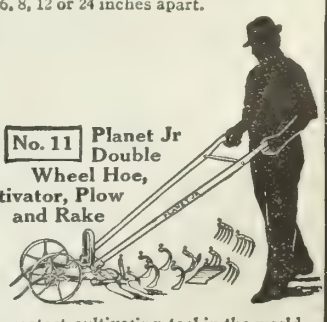
No. 16 Planet Jr Single Wheel Hoe, Cultivator, Rake and Plow

The highest type of Single Wheel Hoe made. It is light, handy, and adapted to use by man, woman, or child. Has leaf guard for close work, and a durable *steel* frame. A most useful tool in the family garden that makes the work really a spare-moment pastime.



No. 8 Planet Jr Horse Hoe and Cultivator

The best-known cultivating implement made. It is so strongly built that it withstands incredible strain, yet it is light and easy to handle. Has new steel wheel—will not clog with stones or trash. Cultivates to any depth and adjusts to any width. Opens and closes furrow, and hoes right up to plants without danger of injuring them.



No. 11 Planet Jr Double Wheel Hoe, Cultivator, Plow and Rake

The greatest cultivating tool in the world for the grower of garden crops from drilled seeds. It has steel frame. The plow opens furrows for manure, seed, etc, and can be reversed for covering. The cultivating teeth are adapted for deep or shallow work and for marking out. Crops can be worked both sides at once until 20 inches high.

pullet 2, and A. J. Savacool, Cornwells, Pa., cock 3.

Columbian Wyandottes, a good quality class, with B. W. Cooper, Dr. J. S. Rittenhouse, H. H. Hewitt and others winners.

Partridge Wyandottes of usual size class with many nice birds.

Silver Wyandottes, a dandy class of valuable birds. The Mountain Orchard Poultry Farm, Narvon, Pa., winning cock 5, cockerel 3. In Buff Orpingtons they won hen 4. In Houdans they won cock 3, hen 5, cockerel 4, pullet 5 and pen 3. Other winners in S. L. Wyandottes were: Dr. Henry M. Kalvin, M. H. Leidy, H. M. Puder, F. H. McDowell, Salem P. F.

Rhode Island Reds.

That the S. C. Reds are popular was attested in this class of 114 birds shown by a long line of exhibitors. The Schenley Heights Poultry Yards, Pittsburgh, Pa., again demonstrated their superior quality winning the championship sweepstake special for best cockerel in the entire show on their first prize S. C. Red cockerel, an honor they also won last year. Their winnings are cock 1-2, cockerel 1-3-4, pullet 4, pen 1, cup for best cock, hen, cockerel and pullet, cup for best cockerel, gold special for best pen, cup for best display, gold special for best three cockerels and severals others. In Rose Combs they won cock 4, hen 4, pullet 1-5, cup for best cock, hen, cockerel and pullet, shape male and color female specials, cup for best display and several others. These winnings need no further notice from us, as they tell their own story of worth.

Mr. Frederick H. Stillwagen, Allentown, Pa., has made several fine records this season at prominent shows. Here he won cock 4, cockerel 2, pullets 1-2-3. In Rose Combs, hen 1, cockerel 5 and pullet 3, with several specials. Other winners were: J. H. Crossley & Son, Ellenwood Farms, F. S. Rader, G. W. White, C. W. Everett, Ellis L. Shelby, Williamsburg, Pa., M. R. Amy, C. F. Lahr, E. Sachs, J. W. Yost, A. M. Anderson, Beyer & Morrison, Mrs. A. M. Pleasants, West End P. & R. Co., and O. J. Aregood.

Orpingtons.

Buff formed a class of 75 birds with the Sunswick Poultry Farm, So. Plainfield, N. J., winning cock 1-2, hens 1-2-3, cockerel 3-5, pullet 1-4, pen 1, cup for best display and cup for best cock, hen, cockerel and pullet. Their winning pen won championship special for best pen in the show. Several other specials were won by them.

Wm. Cook & Sons, Scotch Plains, N. J., won in Buffs, cock 3, cockerel 2-4, pullet 1, pen 2. In Blacks, cock 4, hen 2, cockerel 1-3, pullet 4, pen 1. In Whites, cock 1, cockerel 2-3, pen 2, indeed an excellent record while competing with classes of 232 birds. We regret we did not get a list of the cups and specials won.

In Whites Mr. J. C. Peifer & Son, Danville, Pa., won cock 2, pullet 5 and pen 1.

Leghorns.

For years this has been a red-hot Leghorn show and the classes this year were of the same quality. In the S. C. Whites 143 birds were seen with quality unusually fine. Mr. Stewart Haddock, Poughkeepsie, N. Y., won first prize pullet and special for best pullet at the show. She was a beauty in form, extra fine head and sound in color. He also won cock 4, cockerel 2, pullet 1-5 and pen 4. This with his recent win at Buffalo places value to this line. It has the marks of quality.

Other prominent winners were H. C. Mack, Sonder Bros., E. E. Brubaker, Meadowcrest, J. G. Jones, Pratt Ex Sta, and E. A. Ballard.

S. C. Buffs, a choice class, Mr. Lee C. Bortz making a splendid winning of all five first prizes.

Campines.

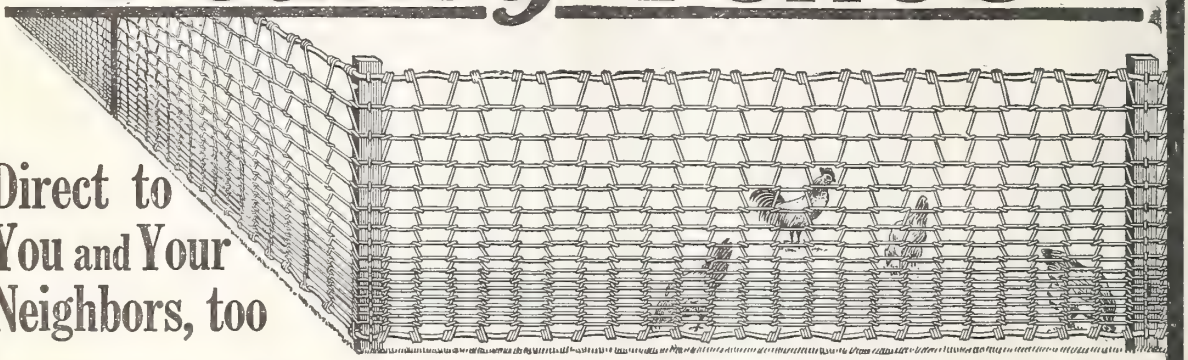
In Silver Campines 117 birds were shown and it was a royal class of quality

CLEVELAND'S BUFF ORPINGTONS

Won at the Great Coliseum, December, 1913, First and **Color Special** on old pen, **First** and **Shape Special** on hen, Second on cockerel, **Fourth** on young pen, in competition with breeders from United States and Canada. **Nineteen prizes at Chicago's Great Coliseum Show** the last three years; 18 of these winners are in my breeding pens this year. Do you want eggs from these winners? Some young and old stock for sale. Send for mating list **free.**

FRANK C. CLEVELAND, -:- MORGAN PARK, ILL.

Poultry Fence



Direct to You and Your Neighbors, too

48 INCHES HIGH 22½c A ROD. 60 INCHES HIGH 25½c A ROD.

Not a flimsy netting but a fence requiring fewer posts and no base boards or top rail. Spacing between the line wires graduated from 1⅛ inches, at bottom to 4½ inches at top. Stay wires 4½ inches apart.

Top Wire Bottom Wire Line Wire Stay Wire

Positively the greatest poultry fence bargain ever offered—you can't afford to buy any other kind.

48-INCH COMBINED POULTRY AND STOCK FENCE 27¾c PER ROD.

A heavier fence having the same construction as above and while close enough for small chicks yet strong enough to turn stock. Stay or upright wires in this style fence are 6 inches apart and the spacing of the line wires graduated from 1¼ inches at bottom to 6 inches at top. Following shows exact size of wires used.

Size of Top and Bottom Wires — Line Wire — Stay Wire

All Fence Sold Direct to You at Factory Prices.

Large Illustrated Catalog showing over 100 styles of Farm, Poultry and Lawn Fence mailed FREE on request. WRITE NOW—before you forget it.

KITSELMAN BROTHERS, 295 So. Council St. MUNCIE, INDIANA.

all through, with many birds of exceptional quality seen. The Schenely Heights Poultry Farm, Pittsburg, Pa., won cock 1, hen 3, cockerel 3, and pen 4, color male special, gold special on cock, etc. In Golden Campines cockerel 5. In these there were 86 birds competing. The winning cock was a wonderful bird in color and markings, the kind seldom seen.

Mr. M. R. Jacobus, Ridgefield, N. J., one of the first to import and to breed these in America, won cock 5, hen 1-5, pullet 2-3-4, pen 1, specials for best shaped females, best pen, etc. In Golden's, cock 2-3, hen 5, cockerel 3, pullet 1, pen 3, the President's cup for best display of both varieties (the donor, Manhattan Farms not to compete). The first pen of Silvers was to our notion one of the grandest ever shown; in matching for size and color it was a work of art and quality was of the best. The Manhattan Farms, Brighton, N. Y., repeated their win of a year ago. They have made records here and elsewhere that will stand for time to come. In Silvers they won cock 2-3-4, hen 2-4, cockerel 1, pullet 1-5, pen 2, cup for best exhibit of males, cup for best exhibit of Silvers, shape male special, etc. In Golden's they won cock 1-4-5, hen 1, cockerel 2-4, pullet 2-3-4, pen 1-4, cup best exhibit of males, all specials for shape and color males and females, cup for best display and special for best cock, hen, cockerel and pullet. No mistake, they had the goods and this great winning is due them for quality bred and shown.

Other exhibitors here were: W. C. Frantz, J. B. Bartow, Miss S. G. Yarnall, Dr. J. H. Prudhomme, J. F. Chapman, etc.

Mr. E. F. Dran, Williamsport, Pa., won in Goldens, hen 2-4, pullet 5, and pen 2. Silver, pen 5.

Other Varieties.

Favorelles, a fair sized class, with many nice specimens.

Light Brahmas, a class of quality, Minch Bros. winning cock 1-4, hen 2-5, cockerel 5, pullet 1-3. First cockerel by Riverdale P. F., a dandy of size, form and markings.

Partridge Cochins, a large class for this variety and many good birds shown.

Black Langshans, we regret a small class, with the winners very worthy specimens.

Anconas, good quality throughout. Mr. A. E. Wohlert, Narbeth, Pa., won hen 3, cockerel 1-2, pullet 4, and pens 1-3.

Houdans, an unusually choice class. The Mountain Orchard P. F., Narvon, Pa., wins cock 2, hen 5, pullet 3 and pen 3.

Rather small classes in both Cornish and White Indian. This is not in line with the beauty classes lately shown.

Pit Games, Silkies, Butter Cups and all varieties were displayed, making the entry exhibit very complete.

The class in duck were the Runners, for in all classes were seen specimens of highest quality. In the White Runners a drake sold for $150. Mrs. E. G. Curtis, Atsion, N. J., wins first on both old drake and duck, young drake second, and young duck first, and first prize pen. Her exhibit was one of extreme quality and beauty, where type is seen to advantage.

Mrs. F. Littlefield, Middleburg, Md., won on Indian Runners, old drake 3, old duck 1, young duck 4-5. We have written of this line before; they are national winners.

In Bantams particular interest centered in the Black Cochins, which were the largest and strongest class of all Bantams. Both shape and color were seen to advantage. Here Mrs. W. H. Moore, Chadds Ford, Pa., won cock first and hen first on two birds of rarest quality. We congratulate her.

Buff Cochins were next in size. All varieties were seen and at their best.

Deer's White Rocks Win Again

At the Tomlinson Hall, Indianapolis, Ind. in Large Class

1-2-5 Cock (3 entered) 1-2 Hen (3 entered) 1-2 Old Pen (2 entered) 2-5 Cockerel (5 entered) 1-2-4 Pullets (4 entered) 1-2-3 Young Pen (3 entered)

Lots of show birds that will win at $20 to $100 each. Utility stock, $2.00. Eggs from our matings at $10.00 per setting. Utility eggs $5.00 per 100.

F. L. DEER **R. R. 1** **FRANKLIN, INDIANA**

Successful Lessons in Poultry Raising FREE

NOW you chicken raisers have something to send for that is REAL NEWS. Hurry up and get these Poultry lessons before you hatch once.

Let Gilcrest, the successful man, start you right—keep you going right—and help you cash in on the profits this season that you hope to make, can make and deserve to make raising chickens if you start right. Just write Gilcrest a postal.



J. S. GILCREST
President
Life Member American Poultry Association

These Poultry Lessons Are Really Worth $25 or More

—but Gilcrest is glad to send them free to every man, woman or child who purchases a Successful Incubator or Brooder. A regular, simple, practical course of advice—in printed form by Mr. Gilcrest—on how to raise poultry most profitably. Beginners need these lessons which will save them failures—loss of money, time and trouble—besides showing them how to equal results with old timers, Write today for this lesson offer and

Send Me Your Name on a Postal

Write early. Get ready now. That don't cost a cent. If you decide not to buy of Gilcrest you won't be under any obligations. His business grows by the long time friends he makes. He wants you for a friend—he wants to help you. If you buy nothing of him now he knows you will some day when you learn all the facts about his World's Best Incubators and the way he helps you to make *you* most "*Successful*" with them. Write—then decide. You don't want to miss this chance. Find out by writing us a postal.

SUCCESSFUL Incubators and Brooders

This announcement isn't put here to make claims—exaggerated statements—or to sell you an incubator and then not stay with you and show you how to make money with it. Time enough to give you direct factory prices this year on many sizes from *$6.75 and up* when we *get together* and you see what *Succes ful Incubators and Brooders* and *Gilcrest* can do for you *working with you* on his *Successful Lessons in Poultry Raising* to suit your needs and experience. First price—simplicity—dependability—time saving—big hatches—big broods raised—cash in your hand profits are what you want to know.

But Gilcrest gives you, besides what others do, the personal attention and advice in his *free lessons* that no other maker ever has or ever can the way he can and will. Get these lessons—before you start—when you start—while you are hatching—how to make the biggest hatches and raise biggest broods—how to get biggest prices and sell for cash your whole year's output.

Successful Grain Sprouter—made in sections—supplies your fowls the year round with green food that makes 'em lay—just when egg prices are highest.

Gilcrest has mighty attractive poultry, too—high grade stock and eggs of all leading varieties—land and water fowls.

NOTE:—Our famous little booklet—"Proper Care and Feeding of Chicks, Ducks and Turkeys" is worth its weight in gold. Sent for 10 cents. But our big catalog is FREE. Send for it.



J. S. GILCREST, Pres. and Gen'l Mgr.

Des Moines Incubator Company, 1 Second Street, Des Moines, Iowa

Notes from the South-west

Conducted by H. H. Stoddard, Riviera, Texas



SUNDRY MATTERS.

STUDY.

Be careful.

Parasites make work.

Simple inventions the best.

Do not imagine you know it all.

Eggs will continue high for years.

Outcrossing is necessary for vitality.

Experiment stations are the hope of all of us.

Ordinarily do not expect poultrymen to agree with you.

Never allow fowls, young or old, to become real hungry.

Labor saving in every industry is brought about principally by mechanical devices.

Traits, whether useful or not, sometimes persist for ages in a race of plants or animals.

Contrive to save your steps if you want to keep from running your legs off tending poultry.

Best laying breeds are the non-sitters. The contestant who stoppeth to rest winneth not the race.

Railroad kings will be sending out, bye-and-bye, cars with lecturers and movies, solely to teach poultry culture.

The middleman so much blamed nowadays, is simply part of the old "system." He is trying to get a living, that's all, same as the rest of us. But he must go all the same.

It payeth not to "cut off your nose to spite your face." Go without eggs and punish yourself in order to punish the cold storage men, will you?

The mail order house will be altered considerably under the new distribution methods. But it has taught the country a valuable lesson and blazed the path of progress. It showed the necessity of the future enlarged parcel post.

America's cheap land led to slovenly farming, especially in the West. That is one reason why England has beaten us, and Germany especially has done so, in work on the soil, including livestock branches, poultry excepted. Germany instructs children thoroughly in all the various arts of production, including farming. That is another reason. The congressional Investigating Committee which went abroad learned something.

A correspondent accuses me of hostility to shipping guaranted eggs by the association method. No, I want to see it carried out in marketing eggs, poultry, fruit, vegetables, and lots of other things, because that is the way most producers will have to follow. The movement in the direction of associative or cooperative buying and selling various products by all workers on the soil, is one of the most important of this day and generation. But personally, "me for" independent shipping, when you talk of eggs. All cannot do it; hence the importance of fostering cooperative marketing.

If anybody thinks the needed appliances for commercial poultry keeping can be invented in a year or five years, please present him with my compliments and tell him he was never more mistaken since he was born. Even such an important thing as the manufacturing of cotton cloth, an article of universal use, couldn't be done just right till, according to Atkinson, the machinery was changed again and again, till it was virtually entirely remodeled seven times in fifty years. You have to keep thinking, and as for your reading, if you do not sift poultry writings thoroughly, they will do you more harm than good, because they contain so many absurdities and contradictions.



BEST BY TEST

THE GREEN SHEEN STRAIN

SILVER CAMPINES

"THE HEAVIEST LAYERS OF LARGE WHITE EGGS"



SILVER KING FIRST COCK-CHICAGO.

SILVER PRINCESS FIRST PULLET-CHICAGO.

SWEEPSTAKE CHAMPIONS

At the Great Coliseum Show, Chicago, 1913

We won more prizes than all competitors combined. Among 159 entries we won

Cockerels, 1st, 3rd, 4th; Cocks, 3rd, 5th; Pullets, 1st, 2nd, 5th; Hens, 2nd, 3rd; Old Pens, 1st; Young Pens, 1st, 2nd.

SILVER KING Our great cock bird, established a world's record. Ten Cockerels and Pullets sired by him were awarded ribbons.

EGGS EGGS EGGS

I have mated eight star pens and I guarantee each to be headed by a Chicago 1913 Prize Winning Male. Mating list now ready. Place your order for hatching eggs early. Orders will be filled as received.

FRANK E. HERING
SOUTH BEND, IND.
FANCIER AND BREEDER

HARMON BRADSHAW, Mgr.

BEST BY TEST.

THE GREEN SHEEN STRAIN

BEST BY TEST

An educated farmer from Germany, with whom I talked lately, told me that before buying land in that country he studied at a dairy farm. It was for milk not butter, and the average yield of the cows was twenty to twenty-eight quarts a day. If less than twenty quarts average, during the milking period, the animal was sold to a beef producing farm. The butter farms had their standard, equally strict, of weight of butter. And how long did my visitor study at the milk farm? Three years, that's all. As he contemplated having four branches on his farm, namely, milk, grain, grapes for wine, and poultry, the latter on a moderate scale; he spent a fortnight with me and then hied to Petaluma, Cal., to stay there a month. Study before beginning and then all the while afterwards, that is the German of it.

Unless you are using the duplicate method, set your hens in the evening, after dark, instead of by daylight. They are much more apt to "stick." The lantern is a very useful thing in the poultry-keeper's hands. There is much that can be done about the fowl-house and much that can be learned, by lantern-light. You can frequently catch fowls to examine them for any desired purpose, when they are on the roost, even if they are not very tame; whereas in the daytime it may be hard to catch them singly and to examine into their condition, without causing them a great deal of fright; and fright, you know, is antagonistic to thrift. If it is necessary to catch your birds in the daytime, you should have a catching pen of latest approved pattern to toll them into, by throwing them some delicacy. Then you can catch them and cause only the very minimum of fright. Or starve them for a half day or so and then you can toll them into the catching pen with any sort of feed.

Boys have to pass through a dozen or more stages which they inherit from their barbarian ancestors. They enjoy seeing one of their playmates whipped as keenly as ever an Indian enjoyed torturing a prisoner. Not only feeding and petting a pup, squirrel, or pigeon is a pleasure, but to plague and torture it is also a greater one, to a boy of a certain age. To see you shoot some animal is a circus. Again, talk about the discordant noises of savage men, it is no circumstance to the din that your three-year-old youngster delights in. The love of hunting and shooting continues through the lives of many grown up boys, and interest in the pursuit of wild animals is almost always accompanied by interest in domestic animals, too.

Members of the A. P. A. are almost all of them hunters or anglers, or both. When the stage is reached in which the graduate from lower ranks loves better to hunt birds with a camera than with a shotgun; that is the finest ever. Shooting at a covey of birds on the wing, and wounding some that you do not get—Bah!

In a report from a State Experiment Station, on the quantities of different sorts of foods consumed by fowls when for eight and one-half months thirty kinds were always before them, it is stated that they ate scarcely any alfalfa meal, in spite of the fact that this pen was kept on a bare yard and was given but little other green food. "Poultry will not eat alfalfa meal, or shredded alfalfa, even when scalded, unless forced to do so by mixing it with other ground feeds." Thus far the report verbatim; but what under the sun is meant by "green food"? "Alfalfa meal * * or other green food"! Dried stalks leaves and blossoms of plants are no different from the various grains in their makeup except that they are less concentrated and contain more woody fibre. It is not bulk, or more or less of woody fibre, or of food constituents such as are in grain rations, that are especially useful when green food is afforded; but vegetable matter which is alive is what is needed, for an antiscorbutic, and alfalfa meal is "as dead as Julius Caesar."

A breeder lately said, "I am afraid to feed finely chopped green stuff to very young chicks for fear they will get the white diarrhoea that I have been reading about, and which is such a holy terror."

This was a case where "a little knowledge is a dangerous thing." A novice may pick up anything and everything in the everlasting, wishy, washy flood of poultry writings.

Green stuff is as natural for young chickens as big red apples are for children. The old hen (and she knows) snips off bits of herbage for her younglings, if she can find any that is tender enough to be snipped off.

White diarrhoea is occasioned by a specific germ. If it is not on the premises, green stuff cannot bring it, unless indeed it is clinging to it, any more than you can raise a crop of corn or oats without seed.

If other kinds of diarrhoea or looseness of the bowels are feared instead of

$8.50 Buys 150 Egg And 150 Egg INCUBATOR BROODER

Just Think of It!

Others Are Ordering Direct From This Advertisement

Why Don't You?

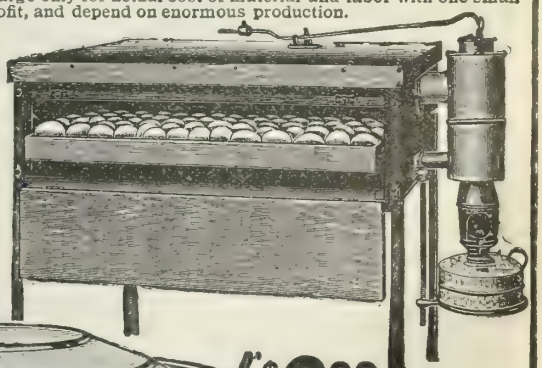
Poultry raisers! Get in on this offer quickly. In all of our 26 years' experience we have never been able to make so astonishing an offer as this. Don't miss it. Here, we give you everything you could want in a reliable hatcher, at a low price that has heretofore been impossible. Bear in mind that this incubator is fully guaranteed—shipped ready to use—no extras to buy. We charge only for actual cost of material and labor with one small profit, and depend on enormous production.

Fortunate deals in buying raw materials, our modern factory methods and our direct-to-you plan enable us to cut the price to a fraction. It's the most remarkably low price we have ever been able to make ourselves or have ever heard of elsewhere. The machine has the best regulator; dependable thermometer; strong, well-built egg-trays; all metal safety lamp with bowl stamped out of sheet steel; best lamp bracket; steel legs; best egg-tester. Write for this wonderful proposition on

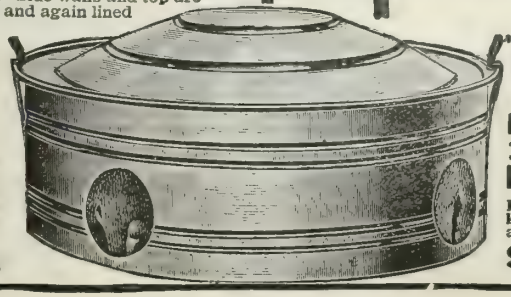
The ROCKFORD INCUBATOR & BROODER

Incubator alone $6. Metal Brooder $3. Both Incubator & Brooder $8.50

You could not ask for better quality—to pay more is needless



It is heated with warm, pure air. Foul or impure air is carried off. No chance for lamp fumes to enter egg chamber. All parts are heated evenly. Side walls and top are made of 1-inch lumber and lined with heavy deadening felt, and again lined with half-inch lumber inside. Heat cannot get out—cold cannot get in—fuel is saved, The Brooder is water heated—fire-proof and weather-proof—easily handled.



$6.00 For This 150 Egg Incubator

Money Back Guaranty

It comes to you all set up (not in knock-down form) Just fasten legs and lamp bracket and start the hatch.

$3 For This 150-Chick BROODER

Order Today on Approval—Guarantee Protects You

Don't let anything keep you from this remarkable proposition. The quality is so good—the guarantee so strong and the price too low to let anybody miss it. We guarantee the incubator to satisfy you in hatches and also guarantee the metal brooder to raise chicks to satisfy you or we return your money. Send us your order today or write us for further information.

The Rockford Incubator Co. Box 15 Rockford, Ill.

the deadly "white" scourge mentioned above, why, all there is about it is simply to always give the young chicks the greens they want, and there will be no occasion for eating too much, and if everything else in your management is correct, they will be thrifty, and their plumage "as slick as a mole."

That American farm methods are wasteful is admitted on every hand. Millions of acres of soil which never before felt the plow are cropped over and over till their fertility is largely exhausted, the farm products being mostly marketed in big cities with the ultimate result that the wealth of the prairie soil passes via the sewer to the sea, as was first prominently mentioned by the great chemist Liebig.

There will be a great movement all over this country, inside of fifty years, to conserve the fertility of the soil and increase it. In time our tillable soil will not feed our two hundred millions or three hundred millions of population and crowds of our citizens will migrate to South America just as they are already going to Canada.

Poultrymen, unless they pay attention to the utilization of droppings, squander fertility faster than keepers of other stock because fowls consume so much concentrated food. What may be collected under the roosts is only half of the manure of twenty-four hours. The rest scattered in the daytime over yards or outside range, should be saved by cropping the ground every other year or every few years.

The way certain poultry editors, professors, and perambulating lecturers sometimes look at a thing, new, true, and valuable, is through glasses of jealousy; because by contrast, it belittles their own small stock of shopworn wares. They ignore it entirely, or else lie low and begin to teach it with a nonchalant air as if they had "known it all the while," as in the story of a woman in Nebraska (she was a real good woman all right) who inherited a great lot of expensive furniture from a relative in Pennsylvania. It was shipped to the woman mentioned and filled her house to overflowing. Her children said to the neighbors' children, "Mamma told us not to say anything about the new things, but act as if we had always had 'em."

There is a poultry editor by the sad sea waves of New England who, when valuable new discoveries or inventions are announced, is not man enough to welcome them and give credit. He keeps quiet and saws wood for awhile and then dresses up the new ideas a little differently and "acts as though he had always had 'em."

Many of my readers will know well enough who the editor referred to above, is, when I append the following from a letter just received: "I don't believe that he (the "always had 'em man") ever saw any good in anything on earth except himself and he discovered the Garden of Eden first or built it, and has sneered at everything since he first discovered poultry in 19411 B. C."

Parasites and noxious insects come and go in great waves. Much is said about wild birds destroying injurious insects. The rate of increase of all the lower forms of life is, however, so great, that when things are all right for the tremendous reproductive powers of nature to have full swing, you might as well dam the Nile with bulrushes as to head off insects by birds.

The microscopic foes of the insects themselves are sometimes rampant, and then the vast hordes disappear like snow in a January thaw. All the birds between two oceans could do little in comparison with the microscopic parasites which sometimes infest insects.

Now before these foes appear, there may be a great insect wave. Two seasons of exemption from disease, and sometimes one, when food is plenty, will make some species of insects appear in prodigious numbers, where there had been so few as to escape notice entirely. It is, however, but rarely that that the great numbers continue very long.

Usually some disease dependent on minute animals, or else fungous growths, sweeps them off as quickly as they came; and then the minute parasites themselves

Ironclad
TRADE MARK

WINS In The Two Biggest HATCHING CONTESTS Ever Held

THE Hatching Contests conducted by Missouri Valley Farmer and Nebraska Farm Journal are the Biggest Hatching Contests ever held in the world. The Ironclad Incubator is the only incubator that has for two years in succession won in these Big Contests. The last contest was won by Mrs. C. F. Merrick, Lockney, Texas, with her Ironclad Incubator. Read sworn and witnessed statement below:

IRONCLAD INCUBATOR CO., Racine, Wis. Lockney, Texas.

Gentlemen:—I am writing to let you know that I won in the Big Hatching Contest held by Missouri Valley Farmer and Nebraska Farm Journal. I placed 148 eggs in my 140-Egg Ironclad Incubator and hatched out 148 strong chicks. I also took off two more perfect hatches during the season and I wish you could see my chicks, they are doing splendid. My success has been perfect. I have examined quite a few incubators and I like none so well as the Ironclad.

Respectfully yours, MRS. C. F. MERRICK.

We Give 30 Days Trial—10 Years Guarantee

You have nothing to risk. We will send machines—let you use them 30 days—urge you to compare them in quality of material, hatching ability, workmanship and price—and if you don't find them satisfactory, send them back—we'll pay the freight charges and return your money. You are absolutely safe. We have to do as we advertise. If we didn't the publishers of this paper would not carry our advertising.



When an incubator is constructed of material of this kind it gives you the strongest and most durable incubator that can be made—a machine that will not warp or shrink or open up at the seams as every joint is lapped over with our galvanized iron covering.

Don't class this big all-metal-covered dependable hatcher with cheaply constructed machines.

Ironclads are not covered with cheap tin or other thin metal and painted like some do to cover up poor quality of material. Ironclads are shipped in their natural color—you can see exactly what you are getting. Don't buy any incubator until you know what it is made of. Note these Ironclad specifications: Genuine California Redwood, triple walls, asbestos lining, galvanized iron covering. Galvanized iron legs. Large egg tray, extra deep chick nursery—hot water top heat, copper tanks and boilers, self regulator, Tycos thermometer, glass in door and many other special advantages fully explained in free catalog. Write for it today or order direct from this advertisement and save time.

IRONCLAD INCUBATOR CO. Box 61 , RACINE, WIS.

TOO LATE



CONKEY'S ROUP REMEDY WILL SAVE YOUR LOSSES

Don't be "Too Late" when your fowls are sneezing, coughing or moping. Put in drinking water Conkey's Roup Remedy. It will keep this dread disease from spreading and save your losses. A preventive and remedy. Easy and convenient to use.

Fowls take their own medicine. Keep on hand and save your flock. Guaranteed satisfactory or money back. 25c, 50c and $1.00—Postpaid.

Write for Conkey's Poultry Book. Sent for four cents and dealers name.



vanish in turn for want of something to live on.

And thus nature see-saws back and forth, insatiably cruel all the time, and caring not which combatant is on top. Her chief care is that the conquered party shall not be wholly exterminated. When there is a great wave of insects, a few lurk in out of the way places, and escaping destruction, become the progenitors of those which are to make up the next great wave. It is just then when insects are few that birds are the most useful.

The stickfast flea, which sometimes appears in great numbers to annoy fowls, seems to be subject to great waves. They were a great pest in 1910, but have bothered but little since. No doubt they have diseases which are as deadly to them as yellow fever or Asiatic cholera are to mankind.

American Cornish Club Meet.

QUANTITY—Quality Extreme. The verdict of all who were fortunate enough to see the exhibit of the members of the American Cornish Club at Warrenton, Va., Dec. 16-20, 1913.

Two hundred and fifty-five Cornish on exhibition, consisting of 182 of the dark variety, 55 of the white and 18 of the yet non-standard Cornish, the Buffs.

Darks were ahead in numbers, as expected, because the dark Cornish are the "original Cornish," and a fine class they were, presenting 19 cocks, 28 hens, 27 cockerels, 28 pullets, and 16 pens, 8 old, and 8 young, to the public for inspection.

In darks the first cock was the 1912 club show winner of first cockerel, "John Bull," J. W. Ward's great winner, pronounced by gentlemen of such prominence in the poultry world as Mr. Drevenstedt, Mr. Minich, and others as the greatest Cornish male ever produced, and in this show beating the champion of all England, a bird that came in second, owned by C. H. Smith.

Hens a great class of 28, with C. H. Smith's "Lady Britton" first, a bird that has been a winner ever since she came to America, and long before, possessing remarkable type and most exquisite lacing and penciling. H. H. McCormick came in for second hen with a rare bird, not quite as good in lacing as "Lady Britton."

Cockerels, a class of 27, with Ward's male line, the strongest male line of Dark Cornish in America, again coming to the front and taking first cockerel on "The Sailor," a bird possessing everything that an A No. 1 Cornish male should have. C. H. Smith came in for second with a bird of good type but very purple in color and showing some white in wings.

Pullets a big class, 28 birds shown. William J. Caines, who produces some excellent American breed birds, taking first and second, the first pullet being an imported bird.

Pens, both old and young, extra classes, each having 8 entries and Smith winning both firsts on well matched pens. Caines took down second old pen, and Ward second young.

The White Cornish class consisted of 7 cocks, 9 hens, 11 cockerels, 11 pullets and 5 pens, with Mountsville Farm winning most of the principal prizes in all classes. The White Cornish showed great improvement in type at Warrenton, a matter on which the boys breeding whites have been working on for a long time and it is to be hoped that now with success nearly within their grasp the White Cornish breeders will continue along these lines.

The non-standard Buffs made a fair showing with some birds of very good type for the short time they have been bred, and some birds showing remarkable color.

Wednesday evening after the judging was all over the annual banquet was held in Warrenton's principal hotel, the Warren Green, and with nineteen members present from Minnesota, New Jersey, Maryland, Pennsylvania, Wisconsin, Georgia, Tennessee, West Virginia and Virginia, beside several guests of the club, a very merry evening was enjoyed.

Great interest was manifested during the entire show by all members present and we predict that 1914 will see Cornish taken up as seldom any other breeds have ever been taken up.

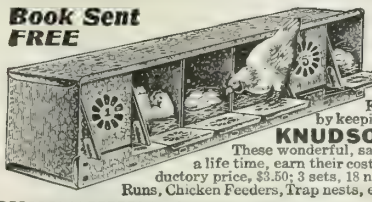
John W. Ward, Jr., is the secretary-treasurer for 1914, to whom all letters regarding club matters, membership, etc., should be addressed. Address him at Pennington, N. J.

H. P. Schwab.

Smith's White Leghorns

Winners at Chicago, St. Louis and Indianapolis—Winners of Grove Trophy at meet of National Single-Comb White Leghorn Club, St. Louis, November, 1912. Stock, Eggs and Day-Old Chicks at prices consistent with quality. Catalog and Mating List for 1914 sent free upon request. **Eugene C. Smith, 317 Galena Boulevard, Aurora, Illinois**

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These wonderful, sanitary, *patented* nests (not a trap nest) can't get out of order, last a life time, earn their cost many times over. Regular price, $3.90, set 6 nests—special introductory price, $3.50; 3 sets, 18 nests, $10. Write for *free* catalog, Gal. Steel Brood Coops with Runs, Chicken Feeders, Trap nests, etc. Knudson Manufacturing Co., Box 570 St. Joseph, Mo.



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Size	Doz.
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A WORLD'S EGG LAYING CONTEST.

Hens From All Parts of the Globe Assembled at the Missouri State Poultry Experiment Station for the Greatest Breed Testing, Feeding and Egg Laying Experiment Ever Conducted.

ON December first, at the State Poultry Experiment Station at Mountain Grove, Mo., 1,040 hens began to make poultry history in the greatest egg-laying and feeding experiment ever conducted at any point in the world. These hens were from some of the best bred-to-lay flocks to be found, and from all parts of the globe. England starts the contest in the lead, a pen of 10 White Leghorns from Tom Darron making the best record for December by laying 206 eggs. One pullet in this pen laid 26 eggs in 31 days, another 25, and others, 24, 23 and 22 eggs each. Other parties have birds of the same strain entered in the contest, and it will be interesting to note the difference in egg production. Another pen of another variety contains 10 pullets which are full sisters from a high-producing hen. What will be the difference in the production of these sisters? Will there be any great difference, and what will be responsible for the variation? Will the English again carry away the honors in 1914; and, if they do, why is it that English hens can beat the Americans in egg production? Will the Australian and New Zealand pens make the high records in this country that they make in the contests in those countries, entire pens of hens averaging from 250 to 265 eggs each? If they can't do so well here, why? Is it the climate or the breeding, or what? Will some American or some Missourian be able to prove to the world that he knows some things about breeding hens for egg production, and that the world must sit up and take notice of our methods? There is no denying the fact that American breeders are making rapid advancement along this line, and we serve warning upon foreign nations now that if Americans do not win in this test, that the time is not far distant when they will do so.

We were told by one of the contestants who has been winning many honors in contests and in the show rooms of foreign countries that the foundation stock of his flock of noted layers was imported from America. He took this American-bred stock and by close study and application of the principles of breeding for egg production he produced his famous strain of layers, and also combined show qualities in the same flock. If some American does not win in this contest it is because of the fact that we have gone to seed on the fancy side of the business before we even sprouted in our study of the science of egg production. It is not so today, however. Thousands of American poultry raisers are devoting their best thought and energy to an effort to increase the productiveness of their hens, and egg-laying contests are responsible for much of this interest.

This experiment was not begun under the best conditions, nor most favorable circumstances. Some of the foreign birds did not arrive here until two weeks after the contest started. Some pens were six weeks on the road in shipment, and six hens were dead in one pen when it reached Mountain Grove. A number of hens were dead in other pens because of long shipments. Many hens arrived out of condition and we have had cool, damp, rainy weather and two heavy snows since the first birds began to arrive and only a very few days of sunshine. Our altitude is also much higher and the climate quite different from some of the warm, dry countries and states from which many of the pens came. This has worked a hardship in many cases and made a situation which has been very difficult for us to control. The contest really should have begun on November 1 at the latest, and this would have given the birds time to become acclimated and also given us another month's egg yield, which we will practically lose in our totals, as the mature pullets laid many more eggs in November as pullets than they will lay next year in November as hens.

This experiment really consists of three separate contests. Each will be fed differently. Separate prizes will be offered in each, and a grand championship will be awarded for the highest record. The sixty pens in the National Contest are fed a very simple ration which was formulated by this experiment station, but what we believe is going to prove to be one of the best which can be used. The twenty-eight pens in the National Single Comb White Leghorn Contest are being fed a ration which has always proven good with Leghorns and which is looked upon as being the best for that variety. The sixteen pens in the National Utility Contest are composed entirely of Barred Plymouth Rocks, White Wyandottes, S. C. Rhode Island Reds and White Orpingtons. These


Pat. applied for

Make Fowls Exercise—Keep Vegetables Clean

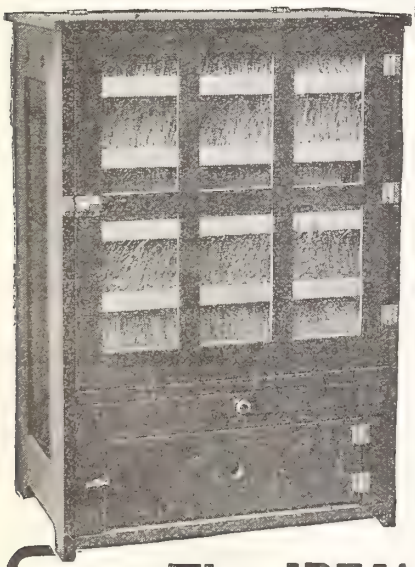
Here's what you poultrymen have long been looking for—a cheap, convenient, sanitary and durable device for feeding green stuff to poultry. Hang one in each pen in your henhouse. It keeps vegetables and green stuff clean and makes the fowls exercise while they eat.

Carter's Sanitary Green Food Feeder

Is made of strong, soft, fish-net cord and lasts for years. There's nothing to get out of order or injure fowls' combs or heads. No fouling and waste of food. It holds one-half bushel of beets, cabbages, clover, meat bones or other similar food. Leading poultrymen are using it and sending in orders for more. It fills a long felt want. Green food turns winter into summer for the hens—makes 'em lay. Feed 'em this wasteless, sanitary way.

Price 35c each. Three for $1.00, postpaid. Special prices on larger quantities. Guaranteed satisfactory or money back. Order today.

H. F. PIERCE, Sole Mfr., 482 Wadsworth Bldg., Portland, Me.



Increase Egg Yield This Winter, Save Money on Feed, Make Chicks Grow Rapidly, Strong

by installing an Ideal Grain Sprouter and feed your hens the green food that is absolutely necessary to insure prolific egg production.

Eggs are going higher in price every year, the demand is far exceeding the supply, and it looks like *good times* and *plenty of money* for the man who has one of our sprouters.

The IDEAL Grain Sprouter

—is the *best machine* for sprouting grain ever made;
—will produce sprouts over two inches long in 24 hours;
—sprouts any kind of grain *better*, in *less time* and without fuss or muss;
—produces *three* to *four bushels* of feed from one *bushel* of grain;
—pays for itself in a single month by saving in feed bills, increasing egg yield, supplying food that makes chicks grow strong and vigorous.

The "Ideal" is made in several sizes—for a few hens up to hundreds. Can be used in summer (without lamp) as it has proper arrangements for moisture and ventilation to produce quick results and crisp feed.

CONSTRUCTION

Made of best lumber—double walls, *insulated* with heavy deadening felt—inside lined with galvanized iron—frame of trays heavy galvanized iron—bottom of tray heavy wire netting—front of machine glass, which induces green sprouts. These sprouts require very small amount of artificial heat which is produced by the Ideal Safety Lamp, the fumes of which pass through ventilators.

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Don't delay, but write at once for special low price introductory offer, full particulars and description of this perfect grain sprouter. No poultry man should be without it. It is the *Biggest Money Maker for the Poultryman since the Incubator was Invented.*

Made by J. W. Miller Co., Manufacturers of Incubators, Brooders and Poultry Supplies, which is sufficient guarantee of its excellence.

J. W. MILLER COMPANY, Box 600 ROCKFORD, ILLINOIS

are the general-purpose varieties and are being fed a ration which proved best in our feeding experiments and which is also recommended by one of the leading experiment stations of this country. It remains to be seen what the results will be.

The total eggs laid in December were 6,792, or an average of over 6½ eggs per hen for both good and bad. The leading pen for the month averaged 20.6 eggs per hen.

Missouri has nearly as many pens as all the other states combined. Besides Missouri, the following states and countries are represented by the following number of pens:

7 Pennsylvania	7 New Zealand
6 Ohio	5 New York
4 England	4 California
4 Iowa	4 Texas
3 Nebraska	2 Michigan
2 Australia	2 Arkansas
2 Kentucky	1 New Jersey
1 Maryland	1 Illinois
1 Alabama	1 West Virginia
1 Massachusetts	1 Wisconsin
1 Ontario, Can.	1 New Hampshire
1 Brit. Columbia	1 Vancouver Island
1 South Africa	

The best record made by representatives from each country is as follows:

	Eggs.
White Leghorns made best English record	206
Buff Orpingtons made best United States record	152
Anconas made best Missouri record	147
White Leghorns made best British Columbia record	133
White Leghorns made best Vancouver Island record	109
White Leghorns made best South African record	86
White Leghorns made best New Zealand record	82
White Wyandottes made best Ontario record	66
White Leghorns made best Australian record	33

The Australian birds did not arrive for some time after the contest started. The Australian and New Zealand pens will be somewhat handicapped this year because of the fact that the pens which they have entered were hatched out of season. Their seasons are exactly opposite from our own. When we are having night, they are having day, and when we are having fall and winter they are having spring and summer. Most of the birds which were sent from those countries had to be hatched this fall and late summer, which was their spring, and their birds are, therefore very young.

National Egg-Laying Contest.

We thought best to divide this year's contest into three divisions.

The standing of the ten highest pens in this experiment is as follows:

Pen.		Eggs.
0	Foreign Leghorns, England	206
36	Buff Orpingtons, Texas	152
5	Anconas, Missouri	147
24	White Wyandottes, England	145
18	White Wyandottes, Pennsylvania	141
2	Anconas, Missouri	133
39	S. C. Reds, Missouri	126
1	Buff Leghorns, Missouri	124
4	Buff Leghorns, Michigan	120
13	Campines, New Jersey	113

The highest individual hen in this test was an English White Leghorn, which laid 26 eggs in the 31 days.

National S. C. White Leghorn Contest.

One notable record was that made by the pen of S. C. White Leghorns from South Africa. These birds were six weeks on the road and did not reach the experiment station until December 9, nine days after the contest started. They laid three eggs the next day and from one to ten each day following that, and finished the month as one of the ten highest pens in the Leghorn contest.

The standing of the ten highest pens in this experiment is as follows:

Pen.		Eggs.
79	S. C. White Leghorns, Pennsylvania	140
64	S. C. White Leghorns, British Columbia	133
65	S. C. White Leghorns, Missouri	113
77	S. C. White Leghorns, Vancouver Island	109
61	S. C. White Leghorns, Nebraska	108
80	S. C. White Leghorns, Missouri	106
60	S. C. White Leghorns, West Virginia	96
69	S. C. White Leghorns, Kentucky	96
71	S. C. White Leghorns, Missouri	90
81	S. C. White Leghorns, South Africa	86

A pullet from Missouri, pen 67, made the best individual record by laying 23 eggs.

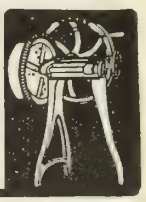
National Utility Contest.

Here the Plymouth Rocks, Wyandottes, Orpingtons and Reds are to compete. The birds in this experiment seem to have arrived in poorer condition and suffered more from the changes in climate, altitude and weather than those in the other experiments. Some of these pens are also immature and many of the hens are just beginning to lay, so we look for much better records next month. The ten highest pens in this experiment are as follows:

Pen.		Eggs.
92	S. C. Reds, Pennsylvania	105
86	Barred Plymouth Rocks, Michigan	81
99	White Wyandottes, Arkansas	68
88	White Orpingtons, Kentucky	62
95	S. C. Red, New Hampshire	57
94	S. C. Reds, Ohio	53
85	Barred Plymouth Rocks, Texas	46
93	S. C. Reds, New York	29
89	White Orpingtons, Missouri	26
97	White Wyandottes, Texas	19

A White Wyandotte from Arkansas, pen 99, and a Barred Rock from Michigan, pen 86, tied for the best individual record by laying 21 eggs each.

BONE CUTTER FREE



Every poultry-raiser needs a "Dandy" Green Bone Cutter. Cut green bone keeps fowls healthy, vigorous and productive. It is a wonderful food for increasing the egg supply and for pushing the growing chicks. The "Dandy" prepares the bone fresh every day—just right for feeding to best advantage. It feeds the bone to cutters automatically and is the easiest running, fastest cutter made. Write for catalog. STRATTON MFG. CO., Box 17, Erie, Penna.

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A Grain Sprouter Made In Sections!



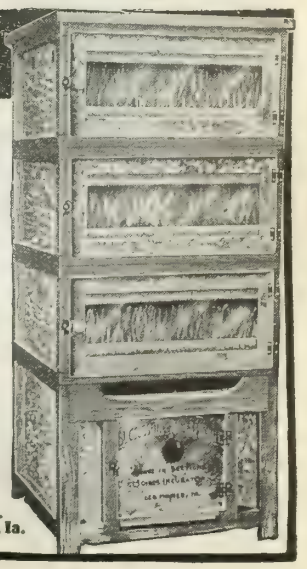
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Constructed of steel. *Double steel walls.* Made in capacities of from 50 to 600 hens. Fit the needs of both little and big poultry raisers. Grows as your needs grow. A brand new idea in grain sprouters. Positively fire proof. Completely safe in every detail. No wood to rot. Lasts practically forever.

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will enable you to get three bushels *fresh, succulent, egg-making green food* from one bushel of oats, wheat or rye. It sprouts grain in 24 hours. Then gives an inch of crisp green sprouts every day. With it you can make your winter chicks grow faster—get them ready for market sooner—when prices are highest. You can make your hens lay more—*100% more eggs*—lay when egg prices are highest. It's a wonder! Can't warp, shrink or swell as wooden sprouters do. Has *large* glass doors and metal trays. It will make money for you. Send today for Free Book.

Des Moines Incubator Co.
561 Third St., Des Moines, Ia.



THE EGG QUESTION.

By Geo. H. Lee, Omaha, Neb.

THE price of eggs is exciting much comment at the present time and many ridiculous cartoons are appearing in the daily papers. At the same time there is general condemnation of cold storage, the one thing that has heretofore equalized egg prices between summer and winter.

It is within my recollection, just before the general adoption of cold storage for the preservation of food products, that, during the spring and early summer, eggs would be worth 8 to 10 cents per dozen. Then, in the midst of an ordinarily severe winter, the price would go up to 50 or 75 cents per dozen.

After cold storage had been proven effective for preserving eggs, the price soon became equalized, ranging between 15 and 25 cents per dozen the year round, with feed about half the cost of the present time.

So long as it is possible for any family, in town or country, to keep one or two dozen chickens in the back-yard, with little or no expense for feed or care, it is no more possible for any person, corporation, or combination to corner the egg supply than it would be to corner the bread supply so long as there is flour for sale in the market and housewives willing and competent to turn it into bread.

With the present high prices for feed there is little or no profit in eggs at 30 cents per dozen, except in case of the back-yard flock, fed principally from table and kitchen scraps. Here it is most all profit, and it is surprising that more people do not put in a few hens instead of consuming an ancient product and kicking about the price.

Eggs will continue to be eggs, and will steadily advance in price just so long as people continue to do two things: First, sell their eggs during spring and early summer, because of good prices, instead of hatching and raising more chickens. Second, avoid the small expense and labor incident to the keeping of a small home flock.

There is no complaint from those who keep chickens about the high price of eggs. Such complaint comes exclusively from those who do not raise chickens; who don't want to be bothered with them; who want someone else to do it for them at a price less than cost of feed.

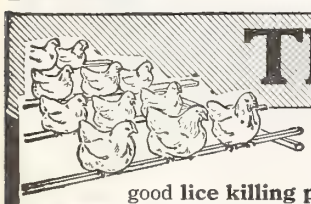
For several years there has been an increasing demand for eggs and a decreasing supply—the latter due to high prices for grain and other feed, unsuitable breeding and hatching seasons, and good egg prices that tempted the selling of eggs for culinary purposes rather than their use in incubation.

What is a good, fresh egg from well-fed, healthy stock really worth? If we have been accustomed to paying 10 cents a dozen, then we will consider 20 cents a dozen as extraordinary and inexcusable. If, however, we had been used to paying $1 a dozen, then we would consider 60 cents a dozen a downright bargain.

Personally, I would much prefer a couple of good, fresh eggs at 5 cents apiece rather than 10 cents' worth of beefsteak. But, then, preferences don't count. We have to pay a premium if we want goods of any kind that are scarce, and just so long as the great majority of home owners prefer to consume rather than produce, then just so long will eggs maintain or advance in price.



THIS IS THE ALUMINUM "CONVENIENT" LEG BAND
Note the strong, secure fastener, so simple and complete—the number is not stamped in, but raised OUT—plain, readable—can't get full of dirt. Reaches you already bent in shape ready to put on—12 bands 20c; 30 for 45c; 60 for 75c; 100 for $1.00. Sample Free—
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The Best Way

To Get Rid of Lice

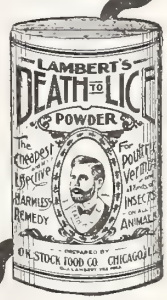
on Poultry is to dust them separately with a good **lice killing powder.** Hold the fowl by the legs, head downward, so that its feathers will be open and the powder can penetrate through to the skin, especially around the vent and under the wings. **The best time** to do this is at night when the birds are at roost. The lice and mites are then on their job. It takes only a short time to dust an entire flock and the powder "works while you sleep." **The best lice killer** to use—



30 Years the Universal Favorite

The Old Reliable

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Its effect is immediate and it does not injure eggs, hens or chicks, neither will it soil or discolor the finest plumage. It is the most reliable powder and a sure Profit Payer.

If not at your Dealers, send 10c for sample. Larger sizes, 25c, 50c and $1.00. Latest Pocketbook of Pointers (invaluable to all poultry raisers) mailed for 2c stamp.

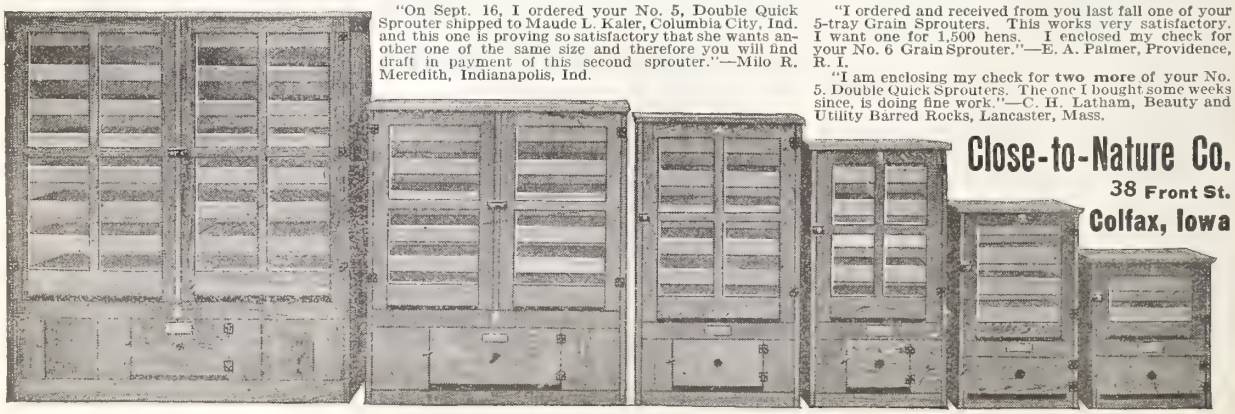
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The **Double Quick** originates and initiates—others imitate and appropriate. Fully 100 **Double Quicks** to every **half dozen** of all other kinds combined. Now in its **fourth** year—in use in **every** state and territory in the U. S.; in Canada and Mexico; in **eight** foreign countries; **thousands** have tested its value; many large poultry plants use from **one** to **five.**



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"I ordered and received from you last fall one of your 5-tray Grain Sprouters. This works very satisfactory. I want one for 1,500 hens. I enclosed my check for your No. 6 Grain Sprouter."—E. A. Palmer, Providence, R. I.

"I am enclosing my check for **two more** of your No. 5. Double Quick Sprouters. The one I bought some weeks since, is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass.

Close-to-Nature Co.
38 Front St.
Colfax, Iowa

Human Interest Talks With Poultrymen

These Talks With Thinking Men Indicate the Trend of the Times Toward the Evolution and Supremacy of Thought

By Helen T. Woods

THE growth and development of an individual is in direct proportion to his aims and ambitions. All progress is the fruit of minds that ferret out a better way. The man and woman who think not, neither do they dream, may, like the lilies of the field, be arrayed in great beauty, and be furnished nourishment sufficient for their needs, yet they travel backward, and do not so much as get a glimpse at the possibilities of the future.

It is the individual who thinks, and, thinking, acts, that once in a while makes a stride forward in this world. The pity is that so few exercise this right. We see people everywhere, sitting with folded hands, basking their thoughts in the warmth of self-satisfiedness, not sufficiently alive to risk the effort of a thought on the accomplishment of anything out of the usual routine. The same old thoughts have worn deep grooves which would require real and persistent effort to get out of. And thought ruts become chronic, like other unfortunate habits of long standing.

Following the return to the soil of the past decade, probably there is no class of people doing more thinking than those engaged in agricultural pursuits. A little more removed from the hurry and bustle of the crowd, a little greater freedom from custom, a little more oxygen in the lungs, a little purer food, a little nearer to Nature, a little more opportunity to live the simple life—these things ought to, if they do not, make of the man devoting his time to agricultural affairs a truer thinker than any other class of citizen. And that the trend of the times shows this to be a fact the following human-interest talks with poultrymen during the Madison Square Garden Show will prove.

They are given as near as possible in the words of the speakers, names being omitted.

* * *

How much thought does the average parent give the boy? Usually every member of the family keeps at him to do their bidding, everyone feeling justified in imposing on him in relation to time supposed to be his own; in expecting him to do all the things other people refuse to do; in paying him less for work well done than they would have to pay another; in expecting more of him in matters of politeness, gentleness, and obedience than is practiced by his elders. Practically, like the dog that is "only a hound," by all members of the household, it falls to the lot of the small boy to get "kicked around."

Really, now, how much chance do we give the boy to develop into a useful, helpful, right-thinking, optimistic man? Doesn't a boy get just as weary, just as hungry, and just as indignant for just cause as his elders? And hasn't he just as much to make him so?

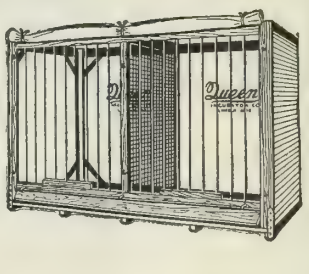
Give the boy a chance once in a while to appreciate a common brotherly interest in him and watch the result. Try it on your own son, or, if you haven't one, on the next lad you find being "kicked around" by his family or associates. He will show his appreciation even more than the stray dog that all but wags his tail off when you give his head a pat.

* * *

Sometimes we see a man so self-bound that he thinks the world revolves around his anatomy—and he usually calls himself a conservative. Such a man is, as a rule, so conservative that his views bear the ear-marks of having been wrapped in a mummy cloth a few thousand years ago and preserved in the atmosphere of the catacombs through all the stages of civilization down to the present time. He cannot see that the world moves except as it revolves around his marvelous ego. Anything which bears the stamp of his approval is an assured success, and he usually either discovered it originally or was the first to appreciate its true value.

Egotism and rank conservatism may sometimes in a lesser degree be useful qualities, but they do make an individual ridiculous at times. As the late Tom Reed said, when some men talk they say nothing, when other men talk

Queen Poultry Supplies

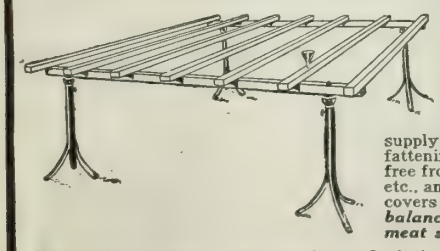


Are the best that experience, honesty and careful workmanship can produce. The Queen label on anything is a guarantee of quality. It is the assurance, to you, of success. Queen appliances and supplies are approved by the largest and most successful poultrymen as being dependable, thoroughly up-to-date, efficient, and exactly as represented. The line includes: ***Exhibition Coops, Lice-proof Roosts, Trap Nests, Shipping Boxes, Poultry Netting, Food and Grit Hoppers, Water Founts, Sprayers, Brooder Heaters, Poultry Markers, Clover and Bone Cutters, Feed Grinders, etc.*** Quality of design from the standpoint of efficiency is just as important as the quality of material or the quality of workmanship. The Queen label assures quality—whether it is an incubator, one of the many poultry appliances, or the all-important item of poultry feed.



The Queen Poultry Guide

is as distinctive in poultry books as are the Queen poultry supplies among other supplies. It will be found helpful—whether you own a large or small flock, or no more than a city-yard pen. It will prove a money-saving, money-making book to every owner of an incubator—whether the machine is a Queen or not. It contains just the information that you need about incubators—just the information so many books leave out. Get this new book now. A one-cent postal card will bring it to you. If you are interested at all in chickens, whether for pleasure or profit, you cannot do a wiser thing than get this book. Remember, it is free. We pay the postage on the book to you. It just costs you one cent to ask us to send it.



Success in Raising Chicks

depends very largely on what you feed and how you feed. Queen feeds are special purpose feeds. Adapt your chick-feed to the chick-need. Don't feed the young chick with its undeveloped stomach the same feed that you supply to a developed hen. Don't fail to supply grits. Don't expect your laying hens to produce eggs on fattening feeds. Feed both chicks and hens clean, sound grains, free from weed seeds, sweet meats, finely ground meal and bones, etc., and you will find that you feed for profit. The Queen line covers the whole range of poultry feeds and includes ***chick feed, balanced-ration mash, scratch feed, blood meal, ground bone, meat scraps, alfalfa meal, granulated charcoal, grits, etc.***



Write for catalog and guide with full descriptions, prices, etc.

QUEEN INCUBATOR CO., Box 4, Lincoln, Neb.

Pratt Food Co., Eastern Distributor, Philadelphia, Pa.

they say something, but when your dyed-in-the-wool egotist and to-the-manner-born conservative talks "he does subtract most frightfully from the sum total of human knowledge."

* * *

Isn't it worth while to stop and consider once in a great while what we are doing with our spare time? Most of us have contracted with an employer, or in the conduct of our own business, for the greater part of the working day. We will portion off ten hours for this purpose, which is more than many men give to it. Then take three hours for eating, which is likewise more liberal than the average man allows himself for meals. Follow this up with eight hours of sleep, which is more than the majority of mankind really get, and we are three hours yet to the good in every twenty-four, in addition to one day in seven when the working hours are lessened somewhat in most cases.

What becomes of this three hours once in twenty-four? What does the individual to whom it belongs get out of it? Perhaps it may be spent in visiting with friends, reading books, papers, or magazines, going to entertainments of one kind or another, or just lazing around by the fire, finding fault with the distribution of wealth meanwhile.

There isn't an individual anywhere but could have at least an hour out of the twenty-four to devote to thought and study and self-improvement, and if he really made a business of it he would hardly recognize himself in the course of three hundred and sixty-five days.

* * *

We hear people say, with a shrug of the shoulders, "That's past history," as though past history were not a thing of importance to the individual who wants to see his way through the present to advantage and move a step forward in the future.

Now, I wonder what would happen to a man whose past was suddenly and surreptitiously taken from him—all his worries and hardships, his undertakings and successes, his failures and mistakes, his good times and friendships of the past.

What would a man bereft of reminiscences have to go by? Doesn't the happy intervention of past happenings or a scene from the long ago suddenly reflected on the mind's eye frequently save a trying situation? Haven't you, happily, while in great stress from one cause or another, suddenly had flashed from the past some ridiculous incident, a thought of which brought genuine merriment rather than the storm that was about to break?

The past is a valuable acquisition to anyone, and all the time we can be making it in the nature of a real and still more valuable asset.

* * *

Every race of people the world over has a religion of some kind. Probably each of them at one time or another have felt that theirs was the genuine, but we are gradually coming to know that all so-called religions have been founded more or less on myth. They have thus been handed down from generation to generation, and for the want of something more tangible humanity has grasped the only thing in sight. But the creeds and dogmas, all purporting to be the only way, are passing. The past decade has shown long strides toward something better. Think, for instance, of the Presbyterian church ordaining several bright young men into her ministry who in a straightforward manner stated that they did not believe literally in the immaculate conception of Christ, the Crucifixion, the Resurrection, the Garden of Eden story, and countless other miracles as recited in our Christian Bible. Ten or fifteen years ago the church body would have stood aghast. Today it is looked upon as a step forward. Such men are welcomed into the church as needed propounders of the truth.

The new religion has no place for creeds or dogmas. It does not countenance magic. It is founded on scientific facts. It seeks the truth. It offers the individual liberty of thought. It believes in fresh air and sunshine and health. In doing as well as believing. That today is but a preparation for tomorrow. That the child of today is the father of the coming man, and that through him lies the hope of the universe. This new religion has left fear out of its vocabulary, as mankind's worst enemy. Fear cannot rule thinking men.

And there are other side lights springing up in the relation the church bears to the community. The great out of doors will inspire and uplift humanity more than a close, poorly lighted church, or one in which one may only be allowed to sit quietly while listening to a sermon on Sunday or a prayer meeting during the week. The church is all right in its place, but it must be different from the church of today and come to be used more and more for community interests. We need some sort of fountain head in every community—a place where



Don't Take Chances with Eggs
Buy Day Old Chicks

It's the only sure way to get a perfect hatch every time. You take absolutely no chances whatever. You can't lose. We absolutely guarantee safe arrival and full count of strong, healthy chicks at destination and entire satisfaction to our customers no matter how great the distance. Our chicks are noted for their vitality and stamina to live and grow and bring handsome profits to their owners.

Michigan Poultry Farm

Single Comb White Leghorns

are bred especially for heavy egg production and good size. They represent the most popular breed in existence. Our birds are all of vigorous stock, raised in open-air houses on dry foods and grow to good size. They are very prolific layers of large white eggs.

Anyone Can Become a Successful Poultryman at Little Expense

A few dollars for coops and about twenty-five Michigan Poultry Farm day-old chicks start anyone on the road to a successful poultry grower's career. We have supplied many of the largest and most successful plants in the country with foundation stock. The excellent quality of our birds always brings you top-notch prices for both chicks and eggs.

Our Customers Are Satisfied Customers. READ WHAT THEY SAY!

North Branch, Mich., April 3, 1913
Michigan Poultry Farm, Lansing, Mich.
Gentlemen:—
I received the chicks yesterday noon. They were all alive and very smart. They are a very nice lot of chicks. Thanking you for same, I am,
Yours truly, M. E. Crawford

Washington, W. Va., May 17, 1913
R. F. D. No. 1.
Michigan Poultry Farm, Lansing, Mich.
Gentlemen:—
The chicks arrived Wednesday, 15th, O. K. They are a husky bunch of chicks. I am well pleased with them. Yours truly, Guy Pitts



Beginning March 1st We Will Ship 5,000 Chicks Per Week

Last spring we were swamped with orders. We could nowhere near meet the demand. And now, with a capacity of 5000 chicks a week, orders are already coming in at a rate that is bound to swamp us again before the end of the season. We fill our orders by the "first come first served" plan. It will cost you nothing to have a reservation order on our books. We don't ask you for a cent until time to ship the chicks. But we urge you to book your order early. No order too big for us to handle.

Send Today for Large, Beautiful Catalog

Fully illustrated and brim full of most useful information for poultrymen. Gives prices and full description of our birds and methods of doing business. Send for copy today. It's free.

MICHIGAN POULTRY FARM

601 Willow St., *"Largest In the State"* LANSING, MICH.

public instruction in the nature of lectures and moving-picture performances, musicales and social good times, libraries and reading rooms, games and folk dances, shall all have a place. And this will be the church of the future.

* * *

It is an unusual trait in a man to have a deep-rooted love of children. To be sure, most men like their own offspring after a fashion, and take pride in seeing them do well, but it is a rare thing to find a man who really loves children, and it is a genuine hardship when such a man decides that for the good of the race he must forego the pleasure of having children in his own immediate family—but it sometimes happens. A highly strung, nervous, easily irritated man takes a mate, possessed of an almost identical nervous tendency, and the outlook for the progeny from such a union is not promising.

Eugenics is not so new as most writers would have us believe. Men and women generations ago have foregone their desire for offspring because of their ability to see undesirable blood taints that might be transmitted. No one who thinks wants to carry into unborn generations a tendency toward traits that bring only crime and sorrow in their wake. Humanity has thought long and deeply along these lines, but it is only lately that they have ventured to voice their thoughts. Today, everywhere, thinking men and women are coming to know that through better marriages and love of children beams the hope of the future.

The desire for children, the love of children, the pride in children; these form the lever that will raise humanity, if it is ever to be raised. The church, the state, can't do it. Importing low-browns and chumps to breed twice as fast as people of better stock won't do it. But now comes eugenics, and it can and will. What we want is a safe, sane, scientific study of everything involved in sex—not a mawkish, superficial skimming of froth. The whole subject in its anatomical, physiological, histological and psychological divisions should be approached as a sacred subject. For instance, marriage should be regarded as sacred, but society regards it as a vulgar joke and plays all sorts of tricks with the newly married couple. The air is vibrant with the beating of tin pans and the flat metallic note of the cow bell, not to mention the usual excessive tagging of baggage, showers of rice, confetti, and old shoes—these things follow a wedding at the present time as night follows the day. But when the absolute sacredness and solemnity of the marriage relation is brought about by eugenics, as it will be more and more as time rolls on, perhaps in fifty or one hundred years from now, such barbarisms as charivaris and playing tricks on "newly weds" will be regarded as the persecution of alleged witches in colonial times is today.

To get good children into this world will be hard. To keep certain bad ones out will be easy, quick and certain. Eugenics says emphatically that inferior immigrants must be kept out. Sterilization of criminals and defectives is another easy step. But there is another which needs no law to bring it about, and that is a certain innate feeling that families have had for one another of "being above." Sometimes this feeling of "being above" another family's station in life has been because of poverty, ignorance, bad manners, intemperance, disease or crime, but for some one cause or another it



My! What Large, Luscious Strawberries

That's what they'll exclaim and then quickly buy—at a good price—all such delicious berries you can produce. It pays to raise large, beautiful true-to-name standard varieties of berries such as

ALLEN'S Strawberry Plants Yield So Heavily

Your success is assured if you start right with ALLEN'S hardy, prolific, correctly grown berry plants. All the early and late strains of standard varieties for every soil and climate requirement. Over 120 acres devoted to strawberry culture alone at the ALLEN Nurseries, 29 years successful experience growing berry plants of the best quality.

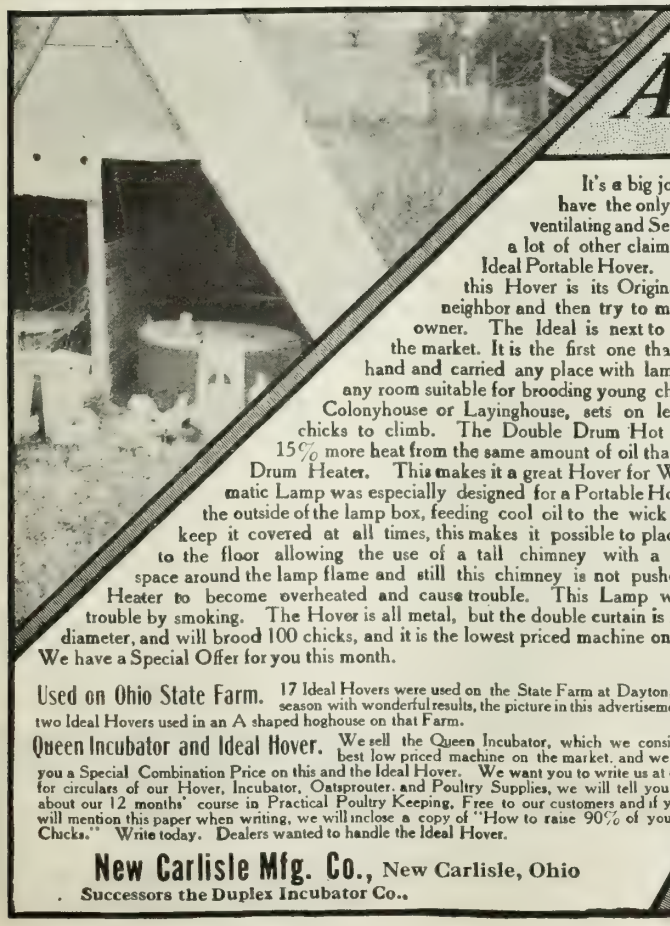
Shipments Prompt and Guaranteed in Good Condition

ALLEN'S plants are carefully selected and packed for shipment. They are **fresh** and guaranteed **true-to-name.**

Send for ALLEN'S 1914 Book of Berries

It's full of valuable information to fruit growers. Lists and describes Allen's complete line of Strawberries, Raspberries, Blackberries, Currants, Grapes, Asparagus, etc. Tells how to grow small fruit profitably. A copy will be sent FREE. Write today.

W. F. ALLEN, **106 Market Street, Salisbury, Md.**



A BIG JOKE

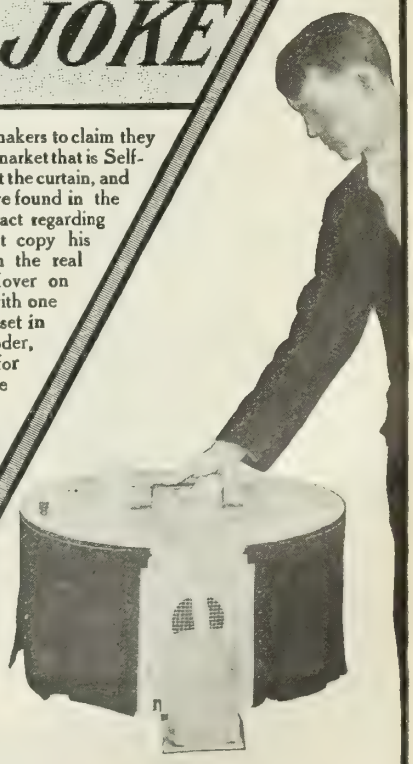
It's a big joke on the other Hover makers to claim they have the only Portable Hover on the market that is Self-ventilating and Self-regulating, Warmest at the curtain, and a lot of other claims, when these features are found in the Ideal Portable Hover. Another indisputable fact regarding this Hover is its Originality, the inventor didn't copy his neighbor and then try to make a bigger noise than the real owner. The Ideal is next to the oldest Portable Hover on the market. It is the first one that could be picked up with one hand and carried any place with lamp burning. It can be set in any room suitable for brooding young chicks. Use it in a Brooder, Colonyhouse or Layinghouse, sets on level floor with no bridge for chicks to climb. The Double Drum Hot Air Heater will produce 15% more heat from the same amount of oil than a Hover using a single Drum Heater. This makes it a great Hover for Winter use. Our Automatic Lamp was especially designed for a Portable Hover; the oilfount is on the outside of the lamp box, feeding cool oil to the wick and just enough to keep it covered at all times, this makes it possible to place the burner close to the floor allowing the use of a tall chimney with a large airburning space around the lamp flame and still this chimney is not pushed up into the Heater to become overheated and cause trouble. This Lamp will never cause trouble by smoking. The Hover is all metal, but the double curtain is 24 inches in diameter, and will brood 100 chicks, and it is the lowest priced machine on the market. We have a Special Offer for you this month.

Used on Ohio State Farm. 17 Ideal Hovers were used on the State Farm at Dayton, Ohio, last season with wonderful results, the picture in this advertisement shows two Ideal Hovers used in an A shaped hoghouse on that Farm.

Queen Incubator and Ideal Hover. We sell the Queen Incubator, which we consider the best low priced machine on the market, and we make you a Special Combination Price on this and the Ideal Hover. We want you to write us at once for circulars of our Hover, Incubator, Oatsprouter, and Poultry Supplies, we will tell you all about our 12 months' course in Practical Poultry Keeping, Free to our customers and if you will mention this paper when writing, we will inclose a copy of "How to raise 90% of your Chicks." Write today. Dealers wanted to handle the Ideal Hover.

New Carlisle Mfg. Co., New Carlisle, Ohio

Successors the Duplex Incubator Co.

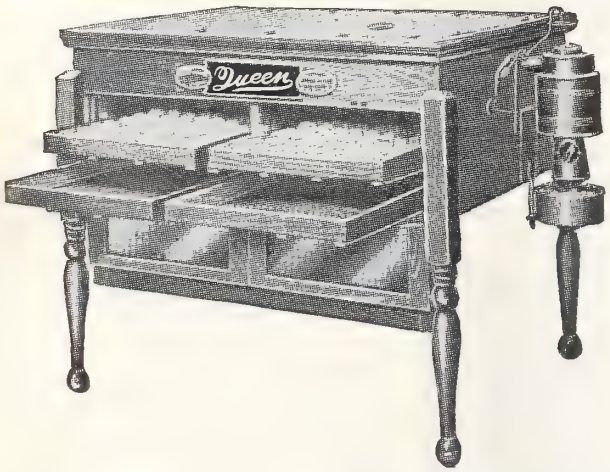


Pick it up and carry any place with lamp lit

This is the Famous

Queen

The Incubator of Quality



Read This 4 Months' Record

This spring we purchased a Queen Incubator from you. Following are our hatches:

May—101 chicks from 105 fertile eggs
June—107 " " 107 " "
July—102 " " 106 " "

In August we loaned it to a neighbor and she broke the thermometer and went five days without one, and hatched 96 chicks from 108 fertile eggs. We think the Queen is the only incubator.

F. W. RATHBUN, Arlington, Neb.

Started With One Queen, Now Using Forty-four

This QUEEN worked so satisfactorily that in the following spring we ordered six more of the same size (360-egg). When we decided to establish our large hatchery in Philadelphia in 1911, we placed our order with you for twenty-three more 360-egg QUEENS. This spring (1913) we purchased ten of the Ranch size QUEENS (560 eggs) and altogether we are now operating thirty-four 360-egg QUEENS and ten 560-egg QUEENS. They turn out a better average per cent hatch and produce stronger chicks than any other make we ever used.

C. TOWNSEND ALLEN
Mgr. Orchard Poultry Farms
Philadelphia, Pa.

THESE are but two of many similar reports of success from Queen Incubator users. The Queen gets its great popularity from the good work it does—its uniformly big hatches, its strong, livable chicks. The Queen has the hatching faculty. It is strong and durable, built to last 25 years. It is up to date, with every approved incubating appliance and 28 special features. Paying more money than the Queen price will not get you a better incubator. The Queen sells at a *fair* price on a fair plan. Investigate the Queen. Start now. Write for our fine Poultry Guide and Catalog which gives particulars. Fully illustrated. It's free. Address

QUEEN INCUBATOR CO.
Box 4, Lincoln, Neb.

PRATT FOOD CO., Eastern Distributer, Phila., Pa.

has been chalked down against them, as being below others in the social scale. With the advent of eugenics, this "being above" means being fit. Children must come to know what it means to be well born, young men and young women will know what it means to be well mated, and the cry of a lack of increase in population will be answered by a race of better-born children. Self-preservation is an inborn trait, but can only be brought about by working for the good of all.

Of course, the ojector will urge that the great crowd will go on marrying as now, not forecasting one mite the quality of the generations to follow them. Granted. But listen to the slogan. A few, the choice spirits of the land, are already considering eugenic marriage and that number will increase. And the people who do this will not be of the number who only want one or two children. They will want half a dozen and the progeny of this picked class will rule the whole crowd in art, literature, morals, law, government, and institutions generally; they will put better food and more of it into the people's mouths, because they will improve productive methods; they will banish most diseases and not allow the unfit to propagate their kind; they will reform the public school system. In other words, they will look after human heredity and environment, the two existing influences. This is the true eugenics.

* * *

How many people are there living in the world who reach middle age without having formulated an idea as to what they are living for or what they would like to accomplish? We meet a good many.

There was a man, born of the average unthinking parent, who worried along through boyhood, picking up here and there a grain of knowledge, fighting through the hard and unyielding experiences of earning a living with little if any preparation for his work. He was fond of reading, he enjoyed nature, he loved music—and these awoke in him at the age of thirty-eight a desire to escape from his humdrum existence. They paved the way. He played piano and violin (entirely by ear), and one night as he sat improvising arias, marches, dirges—bringing out in melody his inborn feelings which fought for expression—the thought came to him that human accomplishment was mostly a matter of self-expression. He reasoned that he could not express in music what he did not feel, he could not accomplish in life what he did not feel interested in or strive after, and thus as his soul poured forth the melody life took on a deeper and more wonderful meaning and out of a chaos of existence came an orderly, well-defined life that meant something higher and better and more worth while every year that he lived. He called it getting the right mental attitude. As a man thinketh, so is he.

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NOTES FROM ENGLAND

CONDUCTED BY

MISS CAREY, TOYNTON RECTORY, SPILSBY, ENGLAND



Feeding and Its Connection With Breeding.

"I WISH you would tell us how you feed." How often do we hear this remark from the lips of the novice! Alas, poor puzzled novice, he feels just a little worse off when he has sifted the various answers than he did before making inquiries.

Now, there is no use getting discouraged in this world, and when one is at a loss to know just what to do one needs to collect all available information and then sit down quietly and fit it together in a way that is suitable to existing conditions.

Feeding must ever, and will ever remain, a point where opinions differ widely, and each man is convinced that he has solved the problem, that his system gives him the best results. Why? You might just as well ask why some people thrive best on meat diet, others on fruit and vegetables. Natures vary to a very great degree; the different habits and conditions under which men and women live demand different supplies. One man's work is brain work and he requires fuel best suited to the condition. Another man's work is physical and naturally he requires food to build up muscle; and just as it is with man it is with bird and beast. Each breeder must select the diet for his birds largely along lines according to the work for which his stock is bred.

So it is that, in selecting a diet for poultry, the first point of all that must be settled is not what others do, but what you, individually, are breeding for. Eggs? Table birds? Show birds? Stock birds? And on this must hang to a large extent your course of action.

The diet that produces the finest specimens for the show room in the heavy breeds is far too costly for utility and entirely too flesh-forming to give the best results in eggs where the profits depend upon prolific laying. The diet that produces layers will not produce at the same cost such good table fowl, while none of these methods of feeding are entirely satisfactory if rearing stock birds, where strong frames, plenty of bone and vigor without too much flesh are required.

Having, therefore, decided to which class your birds belong, you can get at the particular requirement. Let us take egg production. The laying bird should be supplied with grain in plenty and allowed to select the kinds best suited to their needs. Vegetables or good, fresh green food must be supplied at all seasons of the year, and ground grains in hoppers, as well as meat meal, oyster shell, grit and water, always accessible.

Table birds, however, do better on a different diet. Here in England we use chiefly soft foods for fattening, making Sussex ground oats the chief diet, with barley or maize as a corn feed. Several American correspondents have asked me what Sussex ground oats is, which seems a strange question to ask this side of the water, as it is the English poultry keeper's staple diet for show birds, stock birds and table fowl. It is the whole oat ground up, husks and all, without waste, into a fine meal, softer and more fluffy than middlings and so fine that it is hard to detect any husk at all. There are very few mills that can grind it, as it needs a special stone, and in consequence is not one of the cheapest meals, but we are probably using it largely on the English stock at Harmony Park, where it will be obtainable. It is best used with cold skim milk or cold water and formed into a dry, crumbly paste. If properly mixed it is greatly relished by the birds. Take into consideration what a horse can accomplish on oats and the feeding quality of this grain can be better understood, for without doubt it is a big factor in frame building and vigor. Personally, we much prefer it to sprouted oats, which requires much time in preparation. But here we have a dozen different ways of feeding it to the birds, according to requirement.

It goes a long way, too, especially if mixed with one-third ground oats, one-third bran, one-third sharps, and for growing exhibition stock and stock birds the diet frequently consists of a daily regime of one-third meat, one-third vegetable and one-third various

FOXHURST FARM BLACK ORPINGTONS

The Undisputed Champions of the World

AGAIN SWEEP THE IMPERIAL MADISON SQUARE GARDEN, NEW YORK, SHOW, DEC. 26 TO 31, 1913

WINNING

Cocks	Hens	Cockerels	Pullets	Pens	Prizes
1st	1st	1st	1st	2nd	$25.00 in Gold for the BEST display, three Silver Cups and numerous Specials.
2nd	2nd	3rd	2nd		
4th	3rd	4th	3rd		
		5th	4th		
			5th		

The competition was stronger than ever before and included teams of England's most noted winners, as well as Canada's and America's best.

REMEMBER OUR WINNERS OF LAST YEAR, DEC. 31st, 1912, TO JAN. 4th, 1913

Cocks	Hens	Cockerels	Pullets	Pens	Prizes
1st	1st	1st	1st	1st	$25.00 in Gold for the best display.
3rd	5th	3rd	2nd	4th	
		4th	3rd		
		5th	5th		



No such records have ever before been made in the history of the New York Show. From the matings of these Champions of Champions we GUARANTEE TEN live chicks TO EVERY SETTING OF 13 EGGS, another Record Offer. Prices:

$5, $10, $15 AND $20 PER SETTING

New illustrated catalogue now ready telling why, for SEVEN YEARS we have been the largest winners at the World's Greatest Show. Big, wonderful breeding Cockerels, Trios and pens of this Champion Strain for sale, mated for utility and exhibition, also Show birds guaranteed to win

FOXHURST FARM : LIME ROCK, CONNECTICUT, U. S. A.

meals mixed along these lines.

We usually cut the quantity of meal by half when feeding the male birds, as it is apt to make the combs too heavy, and to simplify the number of cooking stoves the meat is cooked in a bag or strainer and can then be lifted out, so the males get only the soup, while the meat is then chopped up and fed separately to the hens and pullets.

It is a fatal mistake, however, to attempt to cook Sussex ground oats, as the result is usually a wet, clammy mixture almost impossible to dry off, and if using other meals that have to be cooked we leave out the oats and use them to dry off the mixture after cooking is finished.

All mashes should be fed as dry as possible, as any excess of moisture tends to fat and to hinder the maturing of all reproductive organs. As a rule, birds fed on mashes well dried off and on hard grains will give a higher percentage of fertile eggs and strong chicks than birds fed on soft wet mashes.

One of the greatest uses, however, of Sussex ground oats is bone formation. It is well known that in Scotland one meets more large, big-boned men and women than in any other part of the British Isles, and the national dish of Scotland is oatcake and porridge. Many a poor Scot's child gets reared almost wholly on oatcake and porridge, and you will find that oats will do as well for your stock, whether it be horse or bird. You will get bigger-boned, stronger stock fed largely on oats than on any other food. Young chickens, however, just at the very moment you need most to develop frame for a good foundation, are too young to digest oats. Groats are too expensive, and here again the Sussex oats comes to our aid in providing, when mixed with milk, just one of the finest feeds imaginable for the youngsters. Sometimes feathering hangs a bit, the frame and flesh having run up to so great an extent, and this needs watching and counteracting, with other diets thrown in as needed to help feathering along; but it will be found that England's magnificent Orpingtons, Cochins, Brahmas are reared largely from the shell on Sussex oats and milk.

On our great fattening farms for our London market tons upon tons of the Sussex ground oats are used yearly, but for fattening ground oats are fed much softer, in some yards almost as thin as thick cream, and gallons of milk will thus be consumed a week. This produces a very white, tender flesh, and considerable weight can be put on a bird properly handled and confined in a fattening pen in the ten days usually allowed.

One frequent cause of failure regarding the diet of birds is its similarity all the year round, and yet right before us we have the best guide of all for feeding birds, and what does it tell us?

For the early spring, when the birds are mating and laying, plenty of insect life and a plentiful supply of green shoots, which, of course, can be copied in meat and sprouted oats. In summer, when the intense heat is so trying, an abundance of fruit and green food of all kinds, again copied by less forcing feeds and greater supply of vegetable food. Autumn, when moulting sets in, comes the harvest, and dry grain in abundance helps the birds through and to build up strength for the coming winter. When cold frosts set in, do the birds starve? Not in England, since the hedges are covered with an abundance of red berries of more heating nature, and can be replaced on the poultry farm by peas, peameal and the like.

So, then, puzzled novice, sit down and select your best road to success by following nature a bit at each change of the season, selecting the foods needed, as regards the building up of flesh, bone and the reproductive organs, making out your diet accordingly, and if you give due thought and study to the subject you will not be far out at the end of the year. Then balance your selections with the prices of foodstuffs and the prices you will realize on your stock, and your undertaking can be made a successful one.

"H & D" Shipping Boxes are neat, strong, light and compact. Made of double faced corrugated jute board, waterproof, sanitary, will not buckle or crush. Insure contents reaching purchaser in good condition and create a favorable "quality" impression. "H & D" Boxes are designed to meet all requirements of

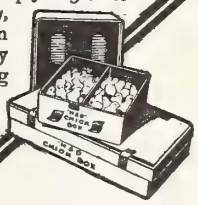
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The "H & D" Brooder is built on the latest approved principles of ventilation. Made of strong corrugated jute board, it is non-absorbent, germ free, water-proof and sanitary. No cold corners, spiral felt hover mothers chicks like a hen. Double wall construction affords protection against heat and cold. Easo to keep clean. Cheap in price. Write for illustrated brooder booklet.

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Let Me Mail It to You at Once

Your name and the name of two of your friends will bring you the most surprising incubator offer I have ever been able to make. I want *every* poultry keeper to know of the big profits possible with the Ideal Incubator. That's why I've planned this great offer. This year I am going to sell three hatchers where I formerly sold one. On three machines delivered freight paid to your station, I'll make an offer that is simply astonishing. Send me your name quick for the details of my plan.

Miller's Ideal Incubator

Made by the Man Who Knows—26 Years at It

If you can induce two more people anywhere to buy hatchers, here's an opportunity too good to miss. But if you only want to send me the names of possible buyers, send them in at once and I'll make a combination offer that will save money all around.

I Give an Unconditional Guarantee And Include All Extras

You get the "Ideal" all ready to start the hatch. I give you the best heating system—best regulator—handiest egg-tester, egg trays, thermometer and holder, etc. There are no extras to buy. And I prove with thousands of users that the "Ideal" is the top notch profit maker for the poultry keeper.

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Tells how the "Ideal" made poultry keepers successful—gives you suggestions and offers on good poultry houses—poultry supplies, etc., at low prices. Write for it—also get my three party money saving offer. Address

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120 Egg Size

Self Regulating Self Ventilating Perfect Heating System

Easy to Operate—Requires least oil and attention.

Best Safety Lamp and Burner



Sussex, Buttercups and Cornish.

Q. (1) Are the Sussex a good laying breed? What are their weights?

A. (1) A. A. Carver, Seville, Ohio, says that the Red Sussex will average about 150 eggs per hen a year. The eggs are light brown, some with a pinkish tint and will run about 1½ to 1¾ pounds to the dozen. Pullets usually begin to lay at 6 months. The Sussex is a large fowl. Weights for males are about 9 pounds and heavier; females, seven pounds and heavier. They have good big frame and can be made to take on weight readily.

Q. (2) Are the Sussex a darker red than the R. I. Reds?

A. (2) Color of males is a rich dark red, shading to chestnut in hackles striped with black having a green sheen. Tails black with green sheen. Mr. Carver recommends a dark mahogany male for breeding. Females are rich dark red with striped hackles and black, green-sheened tails. Same breeder recommends breeding females that are dark brownish red and not so brilliant as male.

Q. (3) Some claim the Buttercups are about equal to the Leghorns for egg production, is this correct?

A. (3) They are reputed to be exceptionally good layers. We have not had any personal experience with this variety.

Q. (4) Are Sussex, Buttercups, and Cornish good winter layers?

A. (4) The breeders say so.

Q. (5) In your opinion would the Buttercups be a good fowl for raising market poultry?

A. (5) We would not class them among the popular meat breeds for market poultry.

Q. (6) Some breeders are booming the Sussex, Buttercups and Cornish, as coming into popularity; what is your opinion as to claims?

A. (6) Breeders of these varieties are now striving to boom them. The Buttercup boom and the Sussex boom are fairly well launched. The Cornish boom is coming, if the attitude of the breeders at the big shows is any indication. Personally we have never bred or kept these varieties. It costs a good deal to do experimental work with poultry and, to date, no breeder of any variety has considered donating a pen of his favorites to our experimental farm for test purposes. We believe there is a good deal of merit in all three varieties named.

Q. (7) Which are considered the finest table fowl, the Sussex or the Cornish?

A. (7) It is largely a matter of individual opinion. Both are big framed, full meated, large fowl.

Q. (8) Are the Sussex a quick growing fowl?

A. (8) They are reputed to make very quick growth, to make good strong large frame and put on meat readily.

Q. (9) Cornish breeders claim they rank with Rocks, Wyandottes, etc., as layers. Please give your personal opinion of this claim.

A. (9) At the last New York show was the first time we ever had breeders of Cornish tell us that the Cornish were now being bred to be very good layers. We have repeatedly had breeders, who handled this variety when known as Indian Games, tell us that the breed would scarcely lay eggs enough to keep up a good supply of pullets. We know nothing about their laying ability from personal experience. We would like to have an opportunity to experiment with prolific laying Cornish. We like the fowl, it makes a fine big meaty body, is well set up, and puts on a fine lot of meat on the most attractive edible parts. Judge Drevenstedt assured us that he knew strains of Cornish that lay remarkably well. Some breeders claim that the compact make up of the Cornish, their shape and pinched tails, are prejudicial to good laying qualities. We don't believe that. There is nothing in the Cornish shape to prevent heavy laying, if the trait is bred into them by selection. If a duck can lay eggs, and we know that some are mighty prolific, there is no reason why a Cornish fowl can't lay plenty, for she has just as much "room for eggs" as any duck.

Q. What are the objections to these breeds, if any, and why are they not more generally bred? I. W. B.

Logansport, Ind.

A. We don't know of any objections. The Sussex and Buttercups are comparatively new varieties in this country and are now being boosted for public favor. The Cornish have long been favorites in England, so have the Sussex, and both are highly favored because of excellent meat qualities. The choice of a breed is largely a matter of individual taste. There are a lot of good ones, and most of them can be greatly improved by intelligent and practical selection and breeding.

Mouldy Sprouted Oats.

Q. My chickens act as if they had a cough and when they die have a yellow crust on their bills. I am feeding sprouted oats. The green grass like part



S.C. White Leghorns

BRED TO LAY — Frost White Strain — The Willows Farm — BORN TO WIN

WON AT NEW YORK 1911 — WON AT CHICAGO —1913— — WON AT CHICAGO 1912



PRIZE PEN CHICAGO—1913 PRIZE PEN CHICAGO—1913

OUR PENS WIN AGAIN

At the Great Coliseum Show, Chicago, 1913

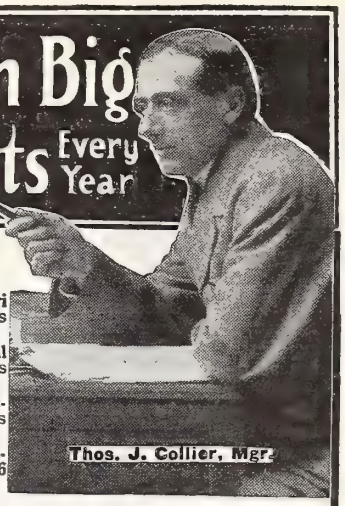
BEAU BRUMMEL I Heads his prize-winning old pen — HIS SON BEAU BRUMMEL II Heads his prize-winning old pen

50 COCKERELS for Sale That we guarantee were sired by the great cock-bird or his sons. Also a wonderful selection of hens and pullets.

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I stand ready to prove to you that Wisconsin Incubators are the best built and best equipped machines in the world for the money. You can't get bigger or better hatchings even if you pay twice the price. I build the outer walls of my incubators of Genuine California Redwood—costing 4 times as much as materials some manufacturers use. If you will write for my catalog, I will gladly mail you a sample of the lumber so you can see the quality and compare it with others. If you do this I know you will order a Wisconsin. One hatch will pay for your machines and more. If you are not perfectly satisfied, simply write me—send the goods back and I'll not only return your money, but pay the freight charges and charge you nothing.



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You can send in your order direct if you wish and save time. Money back if you are not pleased. I have been advertising in this paper for years. The publishers know me and know that I do just as I agree. I am undoubtedly making the readers of this paper the most remarkable offer on high grade incubators and brooders that has ever appeared in the paper. You take no risk. I give

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Wisconsins are bigger, better, more value than ever—no increase in price. Incubators have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under egg tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testers, all set up, ready to use when you get them. Incubators finished in natural colors showing high grade California Redwood lumber used—not painted to cover inferior material. If you will compare our machines with others we will feel sure of your order. Don't buy until you do this—you'll save money—it pays to investigate before you buy. Money back if you are not satisfied.

WISCONSIN INCUBATOR CO., Box 76 , RACINE, WIS.

of the oats looks all right but the roots are mouldy. Can you help me?

Wisconsin. W. F. S.

A. Don't feed mouldy sprouted oats. Keep sprout pans clean and sun them often. Don't let the oats sprout too long. Feed when the sprouts are from half an inch to an inch long and the roots are sweet and clean. Clean up and disinfect your poultry quarters and get rid of any ailing specimens. Try to keep the healthy ones in good condition by good care, cleanliness and feeding wholesome food. When sprouting oats, wash the oats first before you put them in soak water.

Lays Soft Shelled Eggs Most of Time.

Q. I have a Barred Plymouth Rock hen that laid soft shelled eggs most of the year. She has just begun laying again and the first egg had a soft shell. Can you give me some advice as to what to do for her? I have done all I know how to do and am about discouraged.

Youngstown, O. M. R.

A. The best thing to do with that hen is to kill her and eat her. It is doubtful if any treatment would stop her from laying soft shelled eggs. She has been at it too long and it is probable there is some chronic disturbance of function of egg organs that won't respond to treatment. However, if you wish to try again, would suggest that you mix about five per cent of finely ground oyster shell with her mash food daily. Feed fresh raw greens freely. In the drinking water, use one teaspoonful of tincture of ustilago maydis to a quart of water and allow no other drink.

Wyandottes at Home and Abroad.

Q. (1) Are the Australian and English bred White Wyandottes larger than the American bred White Wyandottes?

A. (1) The Australian and English bred Wyandottes are usually coarser bred than our American birds. They favor bigger frames, looser plumage and a rather larger bird throughout than our fashionable, neat, rather close feathered 'Dottes.

Q. (2) Are the foreign bred Wyandottes any better layers than the American birds?

A. (2) We do not think so. We have always found Wyandottes exceptionally good layers.

Q. (3) How do the Wyandottes compare with other breeds in Australia and England, as egg producers?

A. (3) They have always been mentioned favorably.

Q. (4) Please give addresses of Australian and English breeders of White Wyandottes who breed for egg production. Geo. A. Everest.

Hyannis, Neb.

A. (4) We have no list of foreign breeders specializing in breeding for egg production and therefore give your address that any who see this may write you. We fail to see any good reason for importing specimens of an American variety of which we have so many good ones in this country, but probably you know best what you want.

Criticises Ladies' Home Journal Poultry Article.

Editor American Poultry Journal:

Am a subscriber to your good paper and have been a fancier and breeder of poultry for nearly twenty years. Of late I have been very much interested in the articles published in your November and later issues along the line of cost of production. They are of special interest

to me because I have a hope that someday, I, too, shall be partially dependent upon poultry raising for my income.

Among the number of papers that come to our house the Ladies' Home Journal is one that we especially prize, as it stands for all that is good in this life, but you will see by the article which I am going to quote, that even the best of papers get one pulled over them and publish articles that mislead the public.

Under the name of Gail Myers their November issue publishes the article "The Hen That Won't Lay in Winter." The writer, a widow, goes on to state that at the death of her husband she has a ten acre tract, and incidentally, a $3,000 mortgage to begin on. She decides to go into the poultry business and to quote her own words:

"I sent to two breeders for 50 eggs each of Rhode Island Reds and Buff Orpingtons, making one hundred in all. This was in February and by March had set every egg under hens and at the proper time. took off 97 of the downiest chicks that ever 'pecked'!"

All this from 100 eggs laid in February. On April 1, she hired a man to farm nine of the ten acres and she devoted all her time to raising chicks.

She says: "By December the chicks were in fine condition and during the next three months I took practically all the first prizes at poultry shows throughout the state." Forgetting to tell what state.

To quote further: "They began to lay in February and by March 1, I was getting fifty eggs per day from seventy-five hens." (Going some!) "And orders for eggs (settings) poured in so fast that it seemed almost impossible to supply the demand. I sold the eggs at $5 net for fifteen.

"Before summer had begun I had more than eight hundred chickens about equally between the two breeds. Built several coops along the most approved lines and was soon able to house several thousand birds." (How is this for a fairy tale?)

About this time the writer hits upon a plan to get winter eggs as follows: "Now grasshoppers were so numerous they destroyed one-fifth of all our cereal crops, moreover, the grasshopper is an ideal chicken food and tonic, and the bird will thrive on this tobacco-spitting kangaroo-like insect as nothing else will."

To make the story short a trap was prepared and in two weeks eighty odd bushels of grasshoppers had been secured and placed in storage for winter food, likely to supply the demand for eggs going at $5 per.

"The net income," she says, "from my poultry that year was thirty-eight hundred dollars, and our business increased 25 per cent each year for the next four years, when I sold out for $12,000."

I look upon such articles as the above as almost a crime. It fires the brain of the adult as the dime novel affects the youth. There are so many people in the world who are looking forward to the time when this one can get out of the shop, that one the office, and the other one may have spent some years of his youth as a farm hand, and was dragged out of bed at 4:30 a. m., but now, after a lapse of years, he too, hears the call of the soil and wants to return to his old haunts. It is upon us all. But what we need is the truth as you are laying it down. If we make the change, let it be with a clear understanding of conditions. It will save us many a heartache in the end. If eighty per cent of the people

HURRAH! Once More! HURRAH!

CHICAGO WINNERS

1911 1912 1913

At these, the greatest Barred Rock shows in all America, in battles with the Giants of the East and of the West, of the North and of the South, in competition with the best birds of some of the largest breeders of the entire continent,



ARISTOCRATS

Have Been Consistent Winners Each Year

In the show which just closed its doors on December 17, 1913, (mark the date), seventeen (17) birds of Aristocrat breeding were entered and twelve (12) of these were placed by the judge as winners. Think of it!

TWELVE WINNERS AT CHICAGO THIS YEAR WERE ARISTOCRATS

VICTORY after Victory in one state after another is added to the triumphant march of the conquering Aristocrats this season. They are simply irresistible.

GRAND SPECIAL COCKEREL SALE

is now going on—birds of great vigor, proud and stylish—ready to jump right into the breeding pen, ready for business. These Cockerels are so striking in quality, so sensational in color and barring in every section, that the reputation of anyone having Aristocrats will be established at once. They are carefully line-bred and pedigreed, therefore breed **powerfully** strong and true. They **reproduce** their wonderful color and barring.

IS THIS WHAT YOU WANT?



Prince Narrowbars as a cockerel, showing that extremely narrow, cleancut barring for which the Aristocrats are noted. He has now developed into a very full-bodied, magnificent cockbird.

EGGS for hatching: $10.00 for 15; $17.50 for 30; $25.00 for 50; $50.00 for 100 eggs. Eight strongly fertile eggs guaranteed to be in each setting.

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WRITE TODAY

W. D. HOLTERMAN, Fancier Box A FORT WAYNE, INDIANA

who go into this business make a failure, let's not be among the number. Give us the truth if dreams are shattered.—E. N. Tilton, Ashtabula, Ohio.

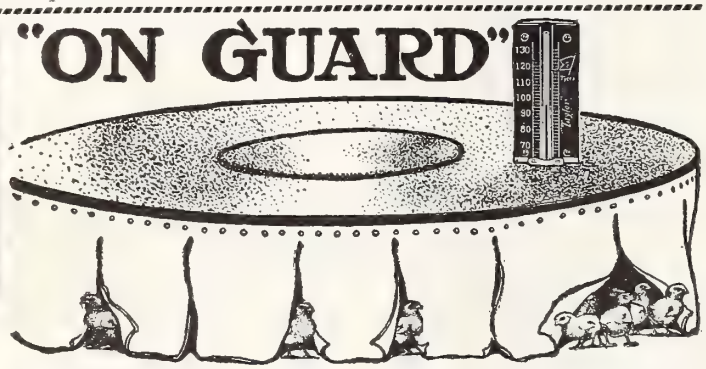
[Editor's Note.—We read that article in the Ladies' Home Journal and wondered how a reputable journal happened to publish a fake of that kind. However, in any publication office there are necessarily a number of persons handling copy of one sort or another and now and then "one gets slipped over," that never ought to see the light of publication. In the case of the magazine referred to, we do not suppose that editorial staff possesses much practical information about poultry. People who are not associated with the poultry business will believe almost any weird tale about poultry keeping and poultry profits. The ignorance of the great mass of people of the simplest matters of poultry keeping and farm life is a constant source of surprise to us. We often wonder how so many people can live so long on this earth, with so much going on about them, and never see any of it. A lot of folks never use their faculties of observation, if they ever did possess any, and let them atrophy from want of use.

We might have swallowed the grasshopper yarn because we have had many big tales of hordes of insect pests in certain sections of the country, but that hen tale from start to finish, has all the ear marks of a pretty raw fake. Publishing such stuff doesn't help anybody and it undoubtedly does harm.

As to the poultry business, we will gladly publish all the facts and figures we can get that help to tell the truth about the business. We want the facts, both good and bad. We believe that more people rush into the poultry business, expecting to make a fortune, who are wholly unfitted for the business, than into any one other business. It is a surprise to us that so many succeed as well as they do. From our own observation we do not believe that there are proportionately any more failures in the poultry business than in other occupations. A good many men and women have gone into poultry with little or no capital and very limited experience and have won a living out of it. But it isn't a bonanza, or a get rich quick business, and there are no fabulous profits except on paper. The right person with a liking for the business, plenty of push and pluck and determination to succeed, can get a living and something more out of poultry, if he or she works hard for it.—Editor.]



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They are positively permanently accurate. When buying a new brooder or incubator, insist that the manufacturer equip it with "Tycos" Thermometers. Go to your dealer for "Tycos" Thermometers for your old machines. If he cannot supply you—send direct to us, giving his name.

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Condition Your Poultry to Get Fertile Hatching Eggs

The crying need of every poultry raiser right now is fertile eggs for hatching—on the condition of your poultry depends the fertility of your setting eggs and vitality of the chick.

So sure am I that Dr. Hess Poultry Pan-a-ce-a will invigorate and tone up your fowl, make your hens lay and increase the fertility of the eggs, that I have told your dealer to supply you with enough Pan-a-ce-a for your whole flock and if it does not do as I claim, return the empty packages and get your money back. Pan-a-ce-a costs only 1c for 30 fowl.

1½ lbs. 25c; 5 lbs. 60c; 25-lb. pail $2.50. Except in Canada and the far West.

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Feed Dr. Hess Poultry PAN-A-CE-A

More About the Egg Boycotters.

Editor American Poultry Journal:

Having read your able article in the Boston Post of Dec. 14, I would like to add my testimony to that of the woman from California. I think these would-be egg price reformers and egg boycotters are perhaps misled by the many glowing advertisement which they read in current magazines. One woman asked me if I had tried the new system of raising chickens, saying that by its use one could get eggs any time one wished and it was all done in the incubator. This is only one example of the impressions made upon the minds of intelligent people who have not investigated the subject.

I will not mention any names, but it happens that, with several others, I was led to believe that by the use of this same incubator I could hatch and brood chickens at the same time in the same machine. Suffice it to say that I learned the folly of my ignorant, though innocent, interpretation of the advertisement.

If the housewives want to get two cent eggs I would recommend that they send to some good breeder and get a few hens and go into the business for themselves and keep a strict account of the eggs produced, and the cost of feed, and see how rich they will become in a few months. I dare say that many of these well-meaning women, and no doubt the men who are in sympathy with them, are like the girl who told me that she did not know that it cost anything to keep hens, she thought they picked up most of their living. They do pick it up, but a lot of cold cash, in the form of purchased grain, has to be put down before they can pick it up.

These people do not consider the price for hatching eggs, and the many of these that do not hatch, and the many chicks that die, and then the half of the chicks raised that are males. Perhaps some of these women are like the boy who asked: "Does that rooster lay?" Neither do these people consider the many dollars spent for feed and the anxious care given to the pullets for from four to eight months before they lay their first egg.

I have been in the poultry business six years and always run behind on my feed bill in the fall. This year with

eggs at 60 cents a dozen, my output of eggs in October brought in $9.27 and my feed bill for the month was $42.85. In November the value of eggs laid was $4.70 and the cost of feed was $33.20. That is not getting rich very fast.

I have talked with several women, who keep hens, who say they haven't seen an egg in three months of fall and early winter from 200 hens, and no eggs means something to the small producer. We have no objection to anyone abstaining from the use of eggs, we are obliged at times to do so ourselves, but we do object to this wholesale fuss which is going to ruin the many poor women who are struggling to get a few of life's necessities out of a few hens. I would recommend that the housewives' league investigate both sides of the question thoroughly before going into such rash foolishness as an egg boycott.

I once thought that the farmer's wife couldn't help being a good cook with plenty of eggs at her command, but I see things from a different standpoint now. If one cow and twenty-five hens are kept the family enjoys milk and eggs, no account is kept as to whether the animals pay their board or not, but when there are five cows or more and the flock of hens reaches hundreds, it is a different story. Mrs. A. B. B.

Epping, N. H.

(Note.—We are glad to get above letter from Mrs. B. and hope the women of the Housewives' League will read it. —Ed. A. P. J.)

Winter Molt.

Q. I have a few hens that I bought about October 1 to improve my flock. They soon started laying and have been laying very well until December. Since then they began to fall off rapidly in yield and in January began to molt. Will you tell me various reasons for molting in cold weather so that I may avoid it hereafter? They have also been afflicted with soft to thin yellow droppings. I feed corn, wheat and oats for grain, a dry mash of corn meal, gluten, bran, middlings and meat scrap. Feed green food at noon. I tried withholding green food, have fed moist mash and put potassium permanganate in the drinking water, but these things don't influence it.

Kinsman, O. L. G. M.

A. Any radical change in method of living, climate, or food is liable to start a molt in fowls in the fall. Shipment for any considerable distance and a complete change of habit of living may start a good yield of eggs followed by molting and falling off of egg yield.

Your rather rich mash probably helped to start the molt. It was a mistake to cut out the green food. Abundant greens might have helped to stave off the molt, particularly if you had cut down the mash supply. Condition of bowels indicates that they ate rather too freely of the mash. Your method of treatment was all wrong. Don't be in a rush to use a remedy in the drinking water. If you had stopped the mash and fed simply scalded "mixed feed" (wheat bran and middlings about equal parts) in place of the mash for a few days the bowel trouble would have disappeared. Permanganate of potassium is bad for the eggs and bad for the egg yield, and, personally, we do not believe it is of any particular value in the drinking water. It undergoes chemical change quickly and we have only found it of use when freshly prepared and used for local applications. If you had substituted feedings of scalded mixed feed for the regular mash two or three times a week we believe you would have had very little trouble.

Barley and Oats.

Q. (1) Do you advise feeding barley in connection with other grains? Is it better than oats?

A. (1) We have fed a good deal of barley and like it for poultry food when a good quality can be had cheaply. We like it either whole or ground. Usually mix it with wheat to cut down the amount of higher cost wheat used. Have not used it as a substitute for oats. We wouldn't want to get along without oats and haven't found any substitute for good oats.

Q. (2) Would English White Leghorns stand a chance of winning in a medium sized American show, or are they so very different from our own Leghorns?

A. (2) The American exhibition White Leghorn is quite different from the English show type.

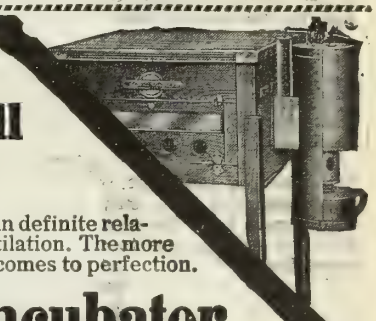
Q. (3) Dealing with the question of egg production from a point of view of yield only, is it best to line breed or to continually outcross?

A. (3) H. H. Stoddard explained that pretty thoroughly in his article on a "Utility Breeding Chart" in December A. P. J.

Q. (4) Will an egg kept in a vacuum or in water for about a week hatch?

South Vancouver, B. C. D. G. G.

A. (4) We don't know. Try it and report.



As Heat Rises Moisture Must Fall

High heat must have low moisture.
Low heat must have high moisture.

This is a rule never to be violated. A certain definite relation exists between heat, moisture and ventilation. The more closely it is observed, the nearer the hatch comes to perfection.

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Adapts the Moisture to the Heat

It is the one scientific incubator, because it is the only one that *measures* and secures right relations of hatching requirements. Hatching with the Mandy Lee is exact work. Thermometer, Hygrometer and Triple Automatic Regulator cannot go wrong like machines watched and "tended" without knowing what is wrong or what is required.

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Everything is measured, not guessed at, in the Mandy Lee. All is automatic. See Lee's latest catalog for particulars on modern scientific hatchers.

Use Germozone this year, standard remedy of the world for *Roup, Colds, Cholera, Canker, Bowel Complaint, etc.* Also *Lice Killer, Egg Maker and White Diarrhoea Remedy.* All Lee modern poultry books free. Address

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"F. P. C. Chick Manna"

Watch them thrive and grow into husky, healthy youngsters with sound, vigorous constitutions to build further development. It is unlike any other baby chick food on the market. *Introduced in 1884.* It is

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"F. P. C. Chick Manna" regulates and strengthens the delicate digestive organs, promotes growth and helps ward off attacks of epidemics. Cracked corn and heavy grain feeds are too hearty for baby chicks. "F. P. C. Chick Manna" will prove more economical in the end. Recognized by poultrymen everywhere as a clean, wholesome, *honest* food with unusual merits for baby chicks. Michael K. Boyer, the well-known poultry authority, says, "Chicks not only like it but thrive wonderfully on it."



Refuse substitutes and imitations. **Ask your dealer for it.** If he cannot supply you, write for our

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Home and the Table
Good Things for Everybody

Helen F. Woods, Editor

MODERN EDUCATION FOR CHILDREN.

DR. MONTESSORI'S RECENT visit to this country has awakened in the minds of many people a new understanding of child education. In most of the large cities where she spoke, so great was the interest of our people that crowds were turned away unable to gain entrance.

In Boston, Tremont Temple was packed both morning and night, to the very doors and "standing room only" was the announcement from the box office hours before the speaker was to appear. People came from all sections of New England to hear this marvelous woman tell of the method which is working out so successfully in the Houses of Childhood in Rome and other Italian cities.

Dr. Montessori, a modest appearing, pleasant voiced, motherly woman, spoke in her native tongue, while Miss Anne E. George, one of her first American pupils and the translator of her book, acted as interpreter.

While Dr. Montessori may not, as critics claim, have solved the problem of child education, she has, without doubt, grasped the fundamental principles, and has therefrom, evolved something a little better and nearer the ideal than anything heretofore brought to the attention of educators.

Education, the development of that which is, can, according to Dr. Montessori, be best brought about by the presentation of stimuli suitable for awakening in the child its natural activities and interests. She advocates first, proper tools, and then, absolute freedom as to selection and length of time which the child shall devote to the work. The child's individuality should at all times be encouraged and fostered.

The old theory has been, that a child could not keep up his interest in an object or subject for more than a few moments at a time, and all kindergarten and primary school work has been based on this theory for many years. Change, constant change, from one thing to another has been advocated as necessary for best results in teaching young children. Dr. Montessori claims that much of our inability to think uninterruptedly on any one subject for more than a few moments at a time is due largely to this mistaken idea in child training. Her attention was first called to this by the persistency of a little child in her school who was loath to give up a set of geometrical inserts (as used for sense training, sight and touch, in the Montessori system). The child had selected them at the beginning of the period, and had repeatedly with her index finger felt the shapes of the inserts, and again the geometric openings wherein the inserts fitted. She had scattered them all about her, and fitted them back where they belonged, repeatedly; and yet when the program was to be changed, the child persistently clung to the inserts. Dr. Montessori allowed her to do so, and on watching, found that the child for more than forty times repeated her work of taking out, and fitting in, the inserts. She then, quietly, and without word from Dr. Montessori, put them in their respective places and was quite content to begin work of another kind.

This compulsory changing from one thing to another when the child is not ready to grasp other subjects, is what Dr. Montessori calls the suppression of the child's natural bent or inclination. If he is given the right stimuli, his mind reaches after a thing, and just as he is entirely absorbed in it, we take him by the arm, saying, "Come now, it is time to do this," or "that" and thus not only suppress the best there is in him but institute revolt, and though we do not know it, encourage disobedience.

Dr. Montessori is emphatic in her disapproval of "grown up tools" for children, as bringing about a great waste of energy and force; while work with tools suitable to the child, is reposeful, and delightful. According to Dr. Montessori, a child working or studying with adult tools, soon develops "nerves" and irritability, and thus does not accomplish the purpose for which they are given him. The value of Dr. Montessori's system of education lies chiefly in the development of the individuality and in the training of the senses, for herein is the basis of all future mental development.

The environment of childhood must have good or evil effect on the adult. Could educators and legislators be brought to see the importance to coming generations of proper working stimuli, with freedom in their selection and study by the children of today, the present stunting system of education would soon be a thing of the past. When we consider how the environment of an individual affects that individual's ability to accomplish, it ought not to be difficult to realize how a child in the atmosphere of a chaotic school room, under the rule of a nervous, irritable teacher who has no sympathy with or interest in her pupils, is one that has proved a curse to thousands of children.



Kellerstrass White Orpingtons

ARE THE BIGGEST PAYERS BECAUSE THEY HAVE PROVEN TO BE

THE BIGGEST WINTER LAYERS

Kellerstrass Strain "Crystal" White Orpingtons

Are the **grandest utility** birds on record today, and as to their **fancy quality** they won first at Madison Square Garden, New York, 1905, 1906, 1908, 1909, 1910; also at Crystal Palace, London, England, and Chicago and Boston. If you need some birds to **improve your stock** or for the **show room** write us. We have them, and **the kind that win** as our past record shows. Stock for sale at all times. Remember, we are the **originators** of **"Crystal"** White Orpingtons, and breed only the one kind. We devote our whole time to this one breed. Eggs for hatching, write for prices. Send for our catalogue.

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Every child should be surrounded by the proper stimuli to arouse his interest and ambition, his individual aptitude in any direction being encouraged rather than suppressed. When his interest is aroused along any line, he should be allowed to work at it until his effort has brought about results. This will not only encourage perseverance but will prove to him the value of continued thought and effort in any direction. At such a time, interruption for any other line of work would be decidedly unwise and result in breaking up mental habits that should be given every encouragement.

The best training that any child can receive is the ability to think for himself. An absolute independence of thought should be encouraged rather than suppressed, yet all parents and teachers aim to relieve the child of the burden of thinking throughout his growing up, and then expect him to be able to exercise that right wisely and well when grown to man's estate. The ability to think for himself and the power to concentrate his mind, will accomplish more for him in the educational line than any amount of memory drill, or "temporary retention" as practiced through school and college courses.

There should be a sifting of the wheat from the chaff in all school curriculums. There is so much presented to pupils that is not worth learning and yet, if there is not time enough during the day to cram it all in, children are expected to spend hours at night fixing some worthless information on the memory, at least until the following day's recitation. In addition to this cramming of worthless information, there is an immense amount of hard work brought about trying to impress something on a youth's mind that could be learned by him naturally, a little later. This is a very great waste of time and energy, and takes the child's time and attention from work that would naturally make a deep and lasting impression on him, if given him at that time.

But in all child education simplicity should be the watchword—no roundabout rules or dogmas, no burdensome recitals of non-essentials. What we need are simple truths and well grounded elementary knowledge—these things, with proper incentive to individual thought, such as may be brought about by the reading and study of inspiring literature, will incite in him a love and devotion to study along the line of his individual bent, which is the true education.

Chicken Timbales.

Take the light meat from two uncooked chickens and pass through a meat chopper. Add a teaspoonful of salt, a little pepper and nutmeg. Beat into this the whites of three eggs, doing so gradually, and then add slowly one pint of cream. Bake in buttered timbale moulds placed in hot water until chicken is tender. Remove from moulds and serve immediately.

Chicken Broth.

Use the carcass and dark meat left from making timbales, by covering same with cold water and place on back of stove to simmer. When the meat all falls from the bones, remove them, and add a few pieces of celery, a sprig or two of parsley and a slice of onion. Two tablespoons of rice may also be added if liked. Noodles, or light feathery dumplings either, are very delicious with chicken soup. Just before serving, add a cup of sweet cream. If well seasoned this soup is very nourishing and greatly enjoyed by children as well as adults.

Chocolate Pie With Meringue.

Melt one square of chocolate over hot water (or use one heaping tablespoon Bensdorp's Cocoa). Add a tablespoon of sugar and four tablespoons of hot water, stir and cook until smooth. Turn into a bowl and add three-fourths cup of scalded milk. Then sift together one-third cup of flour, half teaspoon of salt and half a cup of sugar and stir these into the hot liquid, stirring and cooking until thickened. Then add the well beaten yolks of two eggs to which has been added one tablespoon of sugar. Add also a teaspoon of vanilla. Bake with one crust, allowing about twenty minutes in a medium oven. When baked cover the top with a meringue made of the whites of two eggs, a little sugar and flavoring, and return to the oven to brown.

Fritters.

Beat two eggs until very light and add two-thirds cup of sweet milk, one-half teaspoon salt, two tablespoons melted lard or butter and flour enough to make a stiff batter that will drop from the spoon in lumps. Add also one heaping teaspoon baking powder. These may be used as plain fritters or varied by the addition of sliced banana, shredded pineapple, sliced apple or any fruit at hand. Fry in deep, smoking hot fat, and serve at once with syrup.

Rice Griddle Cakes.

Into two cups of hot boiled rice, stir a teaspoon of salt and two cups of sweet milk. When cool add the yolks of two eggs beaten light and two cups of flour sifted with three teaspoons of baking powder. Fold in the whites of the two eggs beaten dry, and bake on a hot well greased griddle. Serve immediately with butter and syrup.

Crullers.

Beat both whites and yolks of two eggs and the yolk of a third egg together until light. Add one cup of sugar, one teaspoon salt, one-fourth teaspoon mace, one cup milk (sweet), one level teaspoon soda, four and one-half level teaspoons cream of tartar and about five cups of sifted flour. Use no more flour than is actually needed to handle. Fry in deep smoking hot fat and drain on brown paper.

Old Fashioned Pork Apple Pie.

Slice eight peeled apples into a butter pan, sprinkle with a little nutmeg, salt, and a cup of sugar, or a little molasses and cinnamon may be added if preferred



to all sugar. Over top of the apples place thin shavings of tender, fat salt pork, as thin as it can be sliced, then cover the pork with tender pastry, pushing the edges of the crust down between the apple and dish. Bake in a moderately hot oven until the apples are tender, and serve hot.

———o———

Sussex at Madison Square Garden.

NEW YORK, the metropolis of America, is well worthy of her title. The poultry show held between Christmas and New Years did its part in making it the city of all cities. The writer upon entering this spacious, beautifully decorated garden, was not only impressed with the quality of exhibits shown in well-filled classes, but the system and working out of this, the world's great show, as well. Every breed and variety of poultry, including many new varieties, were shown in well-filled classes. Among the comparatively new breeds shown in all the large cities this season are the Sussex. This much talked of breed, that has been bred in England for the past quarter of a century, has forced itself forward by its own merits, and is now sweeping two continents like wildfire, and bids fair to distance all other breeds in popularity.

All nations are awake to the fact that the Sussex have created this demand for themselves. The writer, while attending this show, became acquainted with several of America's largest poultry breeders, in the east and central west, who are taking Sussex with the breeds they are already exhibiting. These progressive poultrymen, ever alert, and wishing to keep pace with public demands, are getting in on the ground floor by taking Sussex now, and all agree that the prediction made by America's foremost journalist two years ago, that the Sussex would sweep America, is coming true. This is certainly the fancier's opportunity—these beautiful birds develop early, consume less feed, best of winter layers, and are pronounced by poultry critics as the ideal table fowl.

Sussex, viewed from every angle, are bound to create the largest poultry boom in America. Mr. Clem Watson, one of England's foremost judges, made a fine showing of imported birds in several varieties and capturing all the prizes in light Sussex.

Dr. Conrad of Hagerstown, N. J., the oldest breeder of Speckled Sussex, won the best ribbons on birds raised on his farm in the Catskill mountains. Dr. Conrad had every reason to be proud of his birds for they showed size and quality.

Carvers' Red Sussex Farm had the largest showing of Reds and, with one exception, won over Judge Watson's string of imported birds. Mr. A. A. Carver, one of the pioneer breeders of R. I. Reds, always ready to advance with the times, was one of the first to embrace the predicted opportunity of getting in on the ground floor, and nearly two years ago imported from England's finest strains, some very fine Red Sussex. No expense was spared in selecting the parent stock for this, the first Red Sussex Farm established in America. The young stock from these high-class birds were exhibited and won at Buffalo, Cleveland, Chicago and New York.

The boom is on. The wise poultry man will embrace this golden opportunity and get in on the ground floor.

The question so often asked—what is the best breed for all purpose fowl?—has been answered. Sussex meet every requirement, and are the breed of the hour.

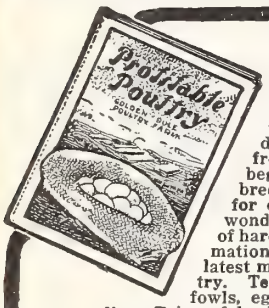
M. M. GENSEMER,
Mgr. Carver's Red Sussex Farm.

NO LIVING MAN

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can hatch **one** egg the Magic Egg Tester rejects **before** incubation. We challenge the world to do it. Why put eggs under the hen or in the incubator that you are not first **sure** about? You **lose** if you do it. You are wasting the earliest and best hatching month if you delay its use. **Heed this warning,** or next May you will wish you had. "The Magic Egg Tester is the poultry raiser's *vade mecum.*" $2.00 each, and **and no further expense to use.** One year's trial, **fully guaranteed,** and cost refunded if not satisfied. Experimental specialists in incubation, giving the latest and best methods with each Tester. Circular mailed for the asking.

MAGIC EGG TESTER WORKS, Dept. B Buffalo, N. Y.. also Bridgeburg, Canada.



A MONEY MAKING POULTRY BOOK.

Finest published, 128 pages of practical facts. 180 beautiful pictures. This book will put you on the right track to make dollars in place of cents out of poultry. A real guide written from 25 years of practical experience and success. A book for beginners and everyone seeking advice on breeding, feeding, raising and hatching; plans for colony yards and farms. Describes most wonderful money making farm with 50 varieties of hardy pure-bred birds. Lots of valuable information about **Indian Runner Ducks** and all the latest methods of making a good living from poultry. Tells where to obtain lowest prices of best fowls, eggs, incubators, fireless brooders and supplies. Price of book is 50 cents, but to get it introduced quick, will send it to you for 10 cents. Money returned if not satisfied.



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BABY CHICKS DROPPED AT YOUR DOOR
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300,000 "Better Hatched" Chicks for 1914

It is not now a question of whether to buy chicks, but where to buy them—you want quality, vitality, quick and efficient service, with prices that are not unreasonable. We have hatched and delivered chicks for four years, beginning with a capacity of 8,000 eggs, until now we can accommodate 95,000 eggs at one time. We have not advertised extensively; our customers come back each season with increased orders. There is a reason—it's the "BETTER HATCHED" chicks that people demand; we use no coal or lamps for heating, our hot-water boilers are all heated with natural gas, assuring a uniform temperature; no prematurely hatched chicks, no delayed hatches, every chick hatched in pure air and out on time; they are the ones that can travel 2,000 miles, grow every mile of the way, arrive strong and healthy and continue to thrive.

The 10,000 pure bred hens that lay eggs for this plant are all on free range, healthy, strong and full of vigor. If you desire chicks from this kind of stock, with a strong guarantee behind them, in lots of 25 to 2,000, send for our free catalog, describing our plant and the following varieties of fowls:—**S. C. White Leghorns, S. C. Brown Leghorns, S. C. Buff Leghorns, Barred Rocks, White Rocks, S. C. and R. C. Reds, S. C. Black Minorcas, White Wyandottes, S. C. White Orpingtons, S. C. Buff Orpingtons.**

We quote wholesale prices in lots of 500 and over. We make a specialty of White Leghorns and Barred Rocks in thousand lots. Deliveries begin March 1st. A hatch each week.

The Co-Operative Breeding and Hatching Co., Box A, Tiro, Ohio

THIRD INTERNATIONAL EGG LAYING CONTEST.

Report for Month Ending December 31, 1913.

THE third International Egg Laying Contest conducted at Storrs, Conn., under the auspices of the Connecticut Agricultural College, made very satisfactory progress during the month of December. There was an increased production of 1,933 eggs over the preceding month or a total of 4,194 for the month. Only four pens and these include four varieties, have not yet laid any eggs, all of which means that 95 per cent of the pens have been producing. A question that has long been asked and which is as yet perhaps unanswered is, "What breed will lay the most eggs?" Many individual poultrymen have very strong opinions on this question while some others have conceded that it is largely a matter of care, management and breeding and it is undoubtedly true that poor Leghorns will lay fewer eggs than good Rhode Island Reds. If birds of different breeds are of equal merit so far as their egg producing ability is concerned, it is a debatable question as to which will yield the most eggs. It is interesting to note in this connection that of the 100 Wyandottes entered in the contest 49 per cent laid during December. Of the 150 Rhode Island Reds in the competition, 46 per cent laid during the month, and of the 340 Leghorns 47 per cent were laying. In other words, of these 590 pullets, including the Rhode Island Reds, Wyandottes and Leghorns, the greatest difference in egg yield between any two of these three breeds is 3 per cent.

The Experimental Pens.—The methods and feeds for the experimental pens supplied by the Storrs Agricultural Experiment Station have been previously described. The experimental pen of Plymouth Rocks have only begun to lay so that conclusions are scarcely warranted at this time. It is, nevertheless, interesting to note that the two best pens are two that have received the sour milk ration, one without any succulent food and the other without any beef scrap, respectively. The Leghorn experimental pens began to lay much earlier than the



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One of the world's foremost experts on artificial incubation and the rearing of poultry, wrote this big 112 page book. His advice is worth hundreds of dollars, especially to the beginner. For example—he tells you how, by studying the ways of hens that stole their nests, he hit upon the idea of the moistened Sand Tray and how it resulted in a wonderful increase in the number of strong, vigorous **"chicks that live"**—the profit producing kind—the only ones you can afford to raise.

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are used and endorsed by leading Agricultural Colleges and Poultry Experts, the world over. For over 30 years they have maintained the lead and with the many new 1914 features, they are simply incomparable. Beginners will be particularly interested in the new Keystone Model which maintains Prairie State quality with all the new improvements and yet sells for only $9 and up.

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Do it today. A delightful surprise will await you for this is more than an ordinary catalog. It contains in addition to full descriptions of Prairie State machines and their exclusive features, about 60 pages of other valuable information on poultry raising. For example—**How to Feed, Rear and Breed for Best Results; How to Grow Green Feed in Winter; How to Build Poultry Houses; How to Treat Diseases; How to Preserve Eggs, etc., etc.**

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AMERICA'S FOREMOST

Barred Plym. Rocks for Exhibition and Utility

Madison Square Garden, New York, Chicago and St. Louis Winners

This grand strain is large framed, with wonderful type, has long, deep bodies, broad backs, well spread tails carried low, and that snappy distinct barring to the skin, that wins in the best of competition.

My first prize cockerel and grand champion male at Chicago 1912 in a class of 54 of the best in the world proves that my strain carries the maximum of quality in Barred Rocks today. His type and barring created a sensation among Barred Rock breeders of the world. A number of his wonderful sons will head my 1914 breeding pens.

When you start to make up your breeding pens this year and find that deficiency which you desire to overcome, **remember that I have the strongest lines of breeding Barred Rocks in America**, and can furnish males and females with the quality desired to balance the pen and improve the progeny.

My **Barred Rocks** have won consistently at all the large national shows for the last 20 years in all competition as a result of being line bred and pedigreed. Compare my winnings with those of any other breeder and form your own conclusion as to who has the best producing strain.



First Prize Pullet Bred Cockerel, Coliseum, St. Louis, 1913

For the season of 1914 I will mate 50 breeding pens in both my **Cockerel** and **Pullet lines**, from which I will furnish eggs for hatching at prices quoted in my mating list and catalog which describes each individual specimen that I will have in breeding. These pens will contain my Madison Square Garden, N. Y., Chicago and St. Louis winners and their descendants. The inherent characteristic quality as bred in the **Henderson Strain** both in the Cockerel and Pullet lines, and demonstrated by their public record in the best show rooms in America, enables me to mate for the season of 1914 the strongest breeding pens of **Barred Rocks** in the world.

Write for my new Catalog-Mating-List which minutely describes these pens and **the largest exclusive Barred Rock farm in the world.**

SATISFACTION GUARANTEED

W. W. HENDERSON, BRIDGETON, ST. LOUIS COUNTY, MISSOURI

Rocks and have as a matter of fact produced so well that the leading pen stands fourth from the top of the list of all pens with a scorce of 255 eggs. As has been pointed out these birds are not in competition and they therefore do not appear among the leading pens given below. This particular pen is being fed the sour milk ration without any beef scrap. It is hoped that before the year is over these ten experimental pens will offer some suggestion as to the value of sour milk as a substitute for green food, or beef scrap or for both.

The prizes for the month have been awarded as follows: The blue ribbon or first prize went to Tom Barron, Catforth, England, whose White Wyandottes produced 213 eggs. The second prize was awarded to Francis F. Lincoln, Mt. Carmel, Conn., whose White Leghorns laid 172 eggs, and the third ribbon went to Cecil Guernsey, East Cobleskill, N. Y., whose pen of Leghorn pullets laid 163 eggs during the month.

During the month of December, 2 Buff Orpingtons, 3 Barred Rocks, 3 White Rocks, 3 Buff Wyandottes, 12 Rhode Island Reds, 14 White Wyandottes, and 15 White Leghorns, a total of 52 individuals each laid 20 eggs or more, the highest individual production being 28 eggs in 31 days by an English White Wyandotte. The ten best pens for the month produced 1,463 eggs or approximately 122 dozen, which sold for about $60. It cost approximately $15 to feed these ten pens or 100 birds for the month. The ten poorest pens in the contest laid only four eggs, 1/3 of a dozen. In other words it took about $15 worth of feed to get 15 cents worth of eggs. These pens remind one that,

"Of all sad words of tongue or pen
The saddest are these 'An eggless hen.'"

The ten best individual records are as follows:

Pen		No.		Eggs
14	White Wyandotte....	5	Eng.	49
14	White Wyandotte....	7	Eng.	42
14	White Wyandotte....	8	Eng.	42
30	R. I. Reds.....	2	Penn.	41
4	Barred Rocks	7	N. Y.	40
20	Buff Wyandottes.....	5	Mass.	40
14	White Wyandotte....	6	Eng.	39
35	R. I. Reds.....	2	N. H.	39
35	R. I. Reds.....	6	N. H.	39
53	White Leghorns.....	2	Conn.	39

The ten leading pens to date are as follows:

Tom Barron, Catforth, near Preston, Eng.
White Wyandottes 330
Francis F. Lincoln, Mt. Carmel, Conn.
White Leghorns 307
Neale Bros., Apponaug, R. I.
White Wyandottes 269
Merrythought Farm, Columbia, Conn.
White Wyandottes 223
Cecil Guernsey, East Cobleskill, N. Y.
White Leghorns 211
Jules F. Francais, West Hampton, L. I., N. Y.
Barred Plymouth Rocks..... 198
Tom Barron, Carforth, Eng.
White Leghorns 195
Dr. J. A. Fritchey, Harrisburg, Pa.
S. C. Rhode Island Reds..... 166
West Mt. Poultry Yards, Naugatuck, Conn.
White Wyandottes 149
Pinecrest Orchards, Groton, Mass.
S. C. Rhode Island Reds..... 145

Chicago Poultry Breeders' Association Holds Successful Show.

The first annual exhibit of the Chicago Poultry Breeders' Association, held at East End Hall, Chicago, Jan. 5-11, 1914, opened with eleven hundred entries, many of the classes were well filled, competition being strongest in Barred and White Rocks, White Wyandottes, Columbian Wyandottes, Rose and Single Comb Reds, White Orpingtons and Single Comb White Leghorns. There was quality enough in all classes to make competition lively, Single Comb White Leghorns being the strongest contested class. A nice display of Bantams, which was much admired, was cooped on the stage while some freak exhibits, including a "cock tailed" hen and a "Red Orpington cock," attracted much attention. With the weather all that could be desired, the attendance was good and receipts very satisfactory to the management.

MONMOUTH FARMS
S. C. White and Buff Leghorns

Eggs for Hatching Our 1914 matings of Monmouth Prize winners are producing eggs from which some wonderful leghorns will be hatched. Place your order now for one or more settings. Orders for eggs from our "20th Century Dual Purpose" matings accepted for 100 and 1000 lots. 85 per cent fertility guaranteed.

Baby Chicks We ship lively and hardy day-old chicks any reasonable distance. Orders for delivery from February 1st to July 1st. See our mating list.

Breeding Stock — Prize Winners Choice Leghorn Breeders and Exhibition birds for sale. Look up Monmouth Farms' Show record.

Write for Free Catalog New catalog gives full description of winnings, matings, etc. Contains a beautiful color-plate insert. Write today for a copy—free.

"The Twentieth Century Dual Purpose Fowl"

Monmouth Farms J. C. Punderford, Owner Thos. Lockwood, Supt. **Box 23, Freneau, Mon. Co., N.J.**

130 EGG Mankato Incubator $7.25



260-EGG-SIZE ONLY
$10.25

SAVE one-half by buying the Mankato. It is sold direct from our factory to you and has behind it our binding guarantee and 18 years practical experience building and operating incubators and raising poultry. There's no incubator at any price that will give you better results—and it's results you want. It's the one high class hatcher that is MADE right and SOLD right.

No Better Incubators Made

Built of real California Red-wood in natural wood finish, three thicknesses of walls, asbestos lined, heavy pure copper hot water tank and boiler, perfect automatic regulator, correct ventilation, safety lamp, high nursery, high legs, tested thermometer, etc. Heavy, well insulated wall construction and special double heating system insures uniform temperature and highest per-cent hatches. All set up ready for use. Simple, sure, safe, handsome and most successful. Big factory output, quick shipments.

Brooders for 120 Chicks $2.50; for 240 Chicks $4.00 and up. Send today for our big new annual catalog and see the why of our low prices and how good the Mankato is made—it's free.

MANKATO INCUBATOR COMPANY, Box 768 MANKATO, MINN.

Royal Blue Barred Rocks

CHAMPIONS OF THE EAST AND WEST

For 30 years they have produced the winners at New York, Boston, Chicago and the World's Greatest Shows.

At New York, in 1912, they Made a World's Record

Winning six prizes out of eight awarded on Barred Rock cockerels, including **first prize** and **sweepstakes special** for best cockerel in the show, also special prize for best cockerel mated pen.

At the Chicago Coliseum Show, in 1912

In the largest and best class of Barred Rocks ever seen in the West, 400 birds, they won **four first prizes** and the **sweepstakes championship $100 cup** for best display of Barred Rocks.

A Clean Sweep at Chicago in 1913

Winning **six first prizes** and the **grand special sweepstakes prize** for best display of Barred Rocks, also every special prize offered on this variety, 250 birds competing.

2,000 Exhibition and Breeding Birds For Sale

Eggs from the World's Best Matings—1 Setting, $10; 2 Settings, $18; 3 Settings, $25; 100 Eggs, $50.
Large finely illustrated catalogue of the champions free.

A. C. HAWKINS Lock Box 25 LANCASTER, MASS.



FANCIERS IDEALS NO. 3

Leghorn Shape as Seen by Leading Fanciers and Judges

By LOUIS A. STAHMER

THERE are no more enthusiastic fanciers than the Leghorn breeders. The way they responded to our invitation to mark their criticisms on the blue print illustrating a pair of birds of their breed, which were submitted to them, showed that they know absolutely what they want in the requirements of their accepted ideals. More breeders complied with our request and sent in their criticisms than we have received from Plymouth Rock and Orpington fanciers, and the prints came back quickly, too. This all goes to show that the fanciers of this breed are live ones, and is one of the reasons for the continued popularity of an old breed which has stood the test of time and outdistanced all new varieties originated during the last ten years. The great improvement in Leghorns is due mainly to the activity of the fanciers, and if we compare the type of the birds today with those of a decade ago we are struck at once with the great superiority in the shape of these fowls, and it shows what can be accomplished by selected breeding methods. Well can we remember the White Leghorns that were shown some 15 years ago, with their short backs, large combs, short shanks, tails almost perpendicular, and yellow ear lobes. To compare with the birds of today, the difference in the two types would be almost as great as that between a truck horse and a blue-blooded racer. There is something elegant and aristocratic in the shape and pose of a fine young cockerel or pullet; the grace and proud carriage is suggestive of quality throughout, and the fine lot of white eggs laid during the course of a year on a minimum consumption of food all adds to the ever-increasing demand for these fine fowls.



IDEAL LEGHORN SHAPE IN THE MAKING.

The above illustration shows how the birds appeared on the blueprint which we sent out. The reason we sent blueprints was that a pencil line would show up nicely from the blue background, enabling the fancier to see the criticism better which he had made. This method has worked out very nicely and the results have been very satisfactory to our subscribers and to the breeders interested in the breed.

We submitted 100 11x14 blue prints as per illustration on this page to the leading breeders and judges of Leghorns in the United States; 32 accepted them without any criticism; nine practically without any criticism, and the criticisms on the balance that were returned were as follows:

Criticisms on the male: The majority of the criticisms were on the head points and the tail carriage; 12 of them suggested a higher tail carriage; 3 of them wanted the tail carried lower; tail too massive, 1; shorten tail, 3; back too long, 3; more breast, 5; neck not arched enough, 2; neck thicker, 1; neck too thick, 1; body deeper from back to keel, 2; back too straight, show more curve, 2; more keel, 1; sickles and lesser sickles more curving and not as long, 3; more thigh, 1; body too long from shoulder to tip of tail, 1; legs too short, 3; comb follows neck too much, 15; make spikes on comb more vertical, 8; make blade of comb uniform in height, 3; comb too small, 1; comb too large, 3; comb too high in front, 1; spikes too large, 7; beak too long, 1; more space between first and second spike, 1; beak heavier and more curved, 1; wattles too large, 5; lobes too large, 9.

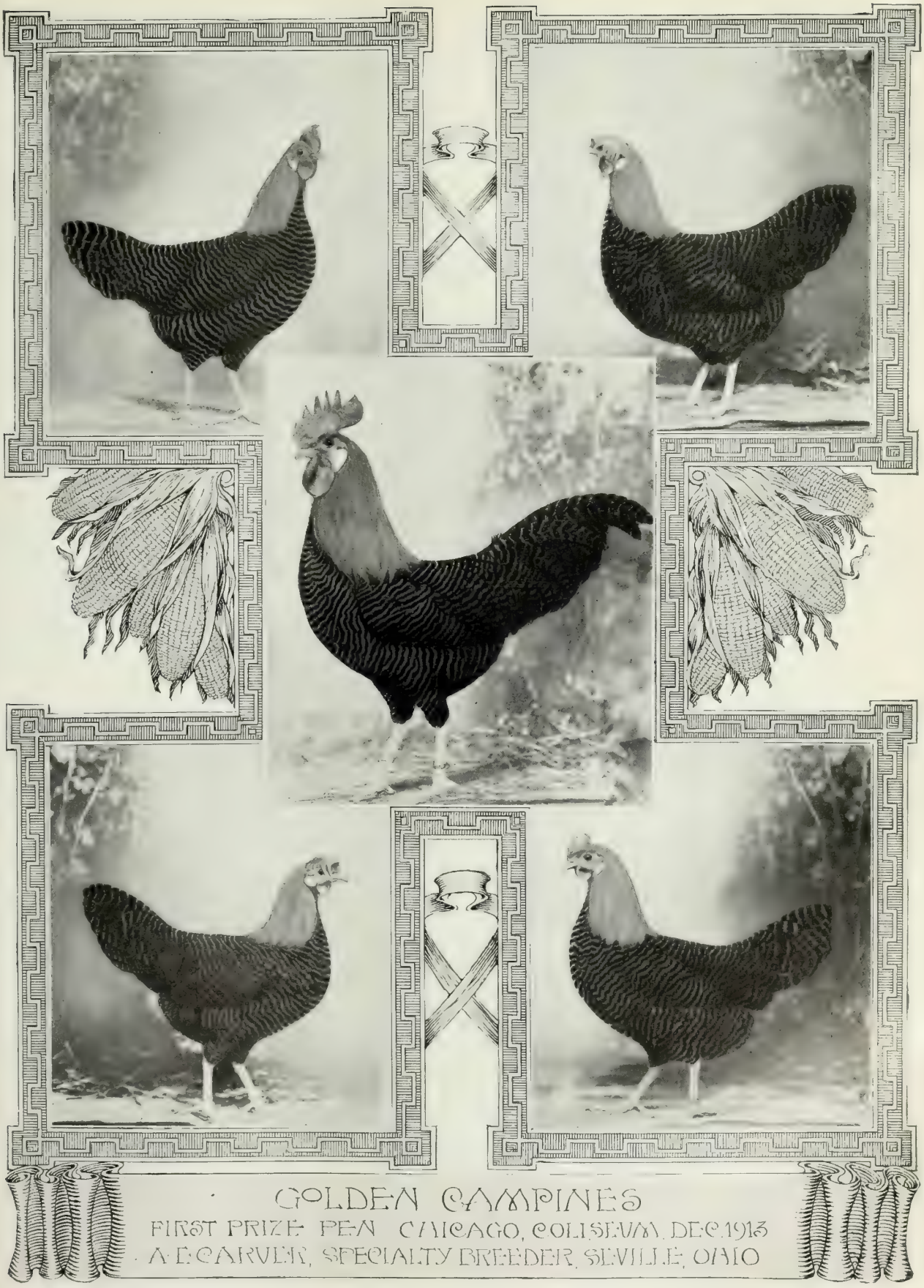
The criticisms on the female were as follows: Comb too large, 7; comb too small, 1; ear lobes too small, 1; beak too long, 1; neck heavier where it joins back, 4; raise tail, 4; spread tail more, 1; neck too thick, 1; neck too long, 1; back too long, 3; body not long enough, 1; body too deep from back to keel, 1; lower tail, 4; show more fluff, 3; thighs too heavy, 1; show more body between tail and end of wings, 4; shorten up deck (tail) feathers, 1; front of comb too large, 2; show more thigh, 2; too much keel, 1; show more keel, 1; back to slope up the tail, 3; back to slope down to tail, 5; joints too heavy, 1; tail not long enough, 2; entire neck too thin, 3; shanks too long, 1; make the breast more prominent, 1; saddle not full enough, 1; legs and shank too large, 2; show one more feather in tail, 1; too much fluff, 1.

One criticism was received from a breeder who claims he has bred this variety for ten years. He states in his letter that the illustration was a freak, and birds of this kind could only be produced by introducing foreign blood, and going on further he describes a type for Leghorns as they should be according to his idea. In looking up the show record of a recent big show where this gentleman exhibited we find he did not get into hailing distance of fifth prize, which goes to show that he had better get in line with the other 99.



IDEAL LEGHORN SHAPE. BY LOUIS A. STAHMER.

The above illustration, a reproduction from a drawing by Louis A. Stahmer, shows the ideal shape for this breed as accepted by leading judges and breeders of this country. These criticisms were obtained from the East, West, North and South, thus making them to be of national character, and the above illustration can be accepted by the established breeder or amateur as a reliable guide to which to breed. There is a great desire among fanciers and breeders for a better understanding of "breed types," and as we are always willing to co-operate with them in bringing this knowledge before the interested public, we invite further criticism on the above drawing. We trust that the above illustration meets with the approval of the breeders and judges to whom prints were submitted.



Golden Campines when they have the type and the color which are required for this breed are a truly handsome variety of fowl. Carver's first prize pen at the big Chicago Coliseum (December, 1913) show have all the desirable characteristics of the breed and were easy winners. Besides winning first pen, they also won first cock and second hen. We predict a great future for this breed, and only regret that we cannot show the wonderful coloring of the bird in their natural state. Their catalog describes them fully and is sent free. Address A. A. Carver, Seville, Ohio. (L. A. S.)



Autochrome first prize cockerel White Plymouth Rocks at Cincinnati, December, 1913. The wonderful type of this bird is very much in evidence in the picture and was the reason for winning easily in a big class under Judge Theo Hewes at that show. Bred, owned and exhibited by U. R. Fishel, Hope, Ind. (L. A. S.)



Autochrome of "King Diamond," heading first prize pen National Meet American Buff Wyandotte Club, Rochester, N. Y., 1913. First prize cock, shape and color special, Madison Square Garden, December, 1913. Nuff said; the picture speaks for itself. (L. A. S.) Bred and owned by Rocky Run Farm, Northfield, Ohio.



Autochrome of First White Orpington Cockerel at Chicago. Bred and owned by Aldrich Poultry Farm, Columbus, Ohio. A beautiful specimen of the breed and winner in the best class of birds exhibited in the entire show. (Breast appears flat on account of photographing too late in the day.)—L. A. S.



Autochrome of first prize Silver Campine cockerel at Chicago Coliseum show. Besides winning 1—3—4 cockerel Mr. Hering won also 1—2—5 pullet, 1 old pen, 1 young pen, 3—5 cock, 2—3 hen. There were fully 140 birds in the class, with remarkable quality. Send for mating list. Frank E. Hering, South Bend, Ind. (L. A. S.)



Autochrome of first prize Blue Orpington cockerel at the Madison Square Garden show. Winner in the largest class of Blue Orpingtons ever shown in America. A bird with rare quality and most beautiful type and color; a typical Orpington. Bred, owned and exhibited by Capt. Max de Bathe, Hartley Court, Reading, England. (L. A. S.)



Autochrome of S. C. Rhode Island Red; first prize pen cockerel, Cleveland Coliseum Show, Dec. 2-7, 1913; first prize pen cockerel, Madison Square Garden, New York, Dec. 26-31, 1913; color and shape specials at Cleveland. A bird of unusual type and color; pose does not do him justice. (L. A. S.) Bred and owned by Ira Crowther, Willoughby, Ohio.

ACTUAL PHOTOGRAPHS IN NATURAL COLORS IN THIS ISSUE

"We Lead, Others Follow"

The American Poultry Journal in order to live up to the above motto takes the lead once more and shows in this supplement something out of the ordinary in poultry illustrations. The pictures shown in colors in this issue are actual photographs in natural colors made directly in the camera and unretouched by hand. There are several methods of color photography, but they are not all adapted for the photographing of chickens, as the exposure has to be a prolonged one. A new method of sensitizing the plates and powerful artificial light has reduced the exposure so much that it is now possible to photograph almost anything under the sun in its natural colors. The process of recording the impression in colors on the plate is a mechanical one, and for that reason its absolutely true, or as near as it is possible by utilizing the four-color method of blue, yellow, red and black.

The pictures are made on glass, and for that reason cannot be retouched, as the light will have to go through the colors when the engravings are being made, and it stands to reason, therefore, that any kind of paint would obscure the light; hence no sickle feathers can be added, no breasts filled out, no combs made to order. The birds must be good in every respect, as the camera will reproduce every defect. Of course, from an advertising standpoint, pictures of this kind are far superior to those made from paintings and the breeder who has the goods and is not afraid to show them in their natural state will reap the benefit. Improvements are constantly being made in this novel photographing process, and we believe that this method of illustrating will revolutionize the illustrating of poultry in the future. The American Poultry Journal, always a believer of truthful publicity, has gone to great expense in producing this novel color insert, knowing that our subscribers are of the appreciating kind.

To Ira Crowther, U. R. Fishel, Rocky Run Poultry Farm, Frank E. Hering, Capt. Max de Bathe and Aldrich Poultry Farm belongs the honor of being the pioneers in having the first poultry pictures reproduced by this method in any poultry jonrnal in the world, and to Louis A. Stahmer, our artist, belongs the credit of having made the first poultry pictures to be used for this purpose.



This excellent White Wyandotte Cockerel headed Arthur Duston's Framingham, Mass., prize winning pen at Madison Square Garden, December, 1913.



First Prize Cockerel, Chicago, 1914, a bird of unusual type and Leghorn quality. Bred and owned by N. P. Easling, Pekin, Ill.



One of Pope and Pope's Louisville, Kentucky, prize winning pullets. A fine specimen of the breed and good in every section.



Second Prize Silver Campine Cockerel, Madison Square Garden, December, 1913. An ideal type and snappy barred bird. Bred and owned by the Martling Hennery, Ridgefield, N. J.



BARRED PLYMOUTH ROCKS
FIRST PRIZE WINNERS AT CHICAGO, DEC 1913
BRED AND OWNED BY H. C. HAWKINS, LANCASTER MASS

The Barred Plymouth Rocks at Chicago is always the largest class at this show and we believe that nowhere superior birds of this breed are shown. A. C. Hawkins is one of the oldest breeders of this variety, having bred them continually in line for over twenty-five years. It is natural, then, for him to know the requirements of the breed as thoroughly as could be known, and his numerous winnings at Madison Square Garden, Boston, Chicago, Cleveland and other big shows are absolute proof that he does. The above illustrations, showing the first prize cockerel-bred pen, portrays faithfully the type and the coloring of the birds, and his winnings of 1st and 5th cock, 4th exhibition hen, 1st and 3d exhibition cockerel, 1st and 2nd pullet-bred cocks, 1st exhibition pullet, 2d exhibition pen, all made at the last Chicago Coliseum show gives him an enviable string of victories. Send for his new mating list. It's free. A. C. Hawkins, Lancaster, Mass.



S.C.WHITE LEGHORN HENS

254 EGGS 248 EGGS 237 EGGS 237 EGGS



WHITE WYANDOTTE HENS

256 EGGS 247 EGGS 243 EGGS 237 EGGS

JOHN G. POORMAN, MIDLOTHIAN FARMS & HATCHERY

TRAPNESTED BRED TO LAY POULTRY

TINLEY PARK, ILLINOIS



R.C.RHODE ISLAND RED HENS

248 EGGS 248 EGGS 238 EGGS 236 EGGS



S.C.RHODE ISLAND RED HENS

243 EGGS 240 EGGS 234 EGGS 231 EGGS

When it comes to producing eggs in large numbers, they are in a class by themselves. Midlothian Farms make a specialty of trap-nested, bred-to-lay poultry, and the above are only a few of a large number of birds with high egg records. Write for their catalog.

A Large Profitable Egg Farm

By J. C. Johnston

PERHAPS no village in the whole world is better known to the breeders of Standard poultry than Tinley Park, Ill. This little hamlet, situated near the outskirts of the city of Chicago, was, until a few years ago, known only to the near-by farmers and to the traveling public, who, journeying to and from the Great Metropolis of the West, heard the station called, and passed on their way with never a second thought of the place. Almost as by magic Tinley Park fame began to spread abroad, as it increased in circumference it gained in velocity until it has swept over the entire world.

What has brought about this great change; what has made Tinley Park famous? The answer is Midlothian Farms. A few years ago an enterprising business man of Chicago began to investigate the poultry business with a view to establishing a plant that should meet the demand of all branches of the poultry industry. The result was the selection of Tinley Park with its splendid location and many beautiful surroundings and the establishment of Midlothian Farms. A short inspection of the farm will convince even a novice that the plans for the equipment of the place were drawn by a masterhand. The immense buildings, brooder houses, incubator cellars, in fact everything on the farm, is arranged for comfort and convenience.

John G. Poorman, proprietor of this vast establishment, is a man of years of experience, of keen intellect and a strictly up-to-date business man. Under his management the business of the farm has increased by leaps and bounds. That all admirers of Standard Poultry might be supplied from Midlothian farms the management adopted varieties covering a wide scope of the field of standard poultry. Here are bred and reared White and Buff Orpingtons, Barred and White Plymouth Rocks, Rose and Single Comb Rhode Island Reds, Single Comb White Leghorns and White Wyandottes.

From these varieties eight hundred selected pullets are trapnested annually. At the close of the year those that have made the very best records are mated to produce the layers for another season. Those falling short of first-class go to the utility flock while any that fall below the normal egg yield go to the fattening house and are specially fitted for the market. From six thousand to ten thousand head of poultry are produced annually. This is stock grown on the farms and does not include the thousands of baby chicks that are incubated here and shipped to supply the ever increasing demand for this branch of the Midlothian products. Early in January the mammoth incubators are put in operation and from then until the close of the breeding season they pour out a continuous stream of chicks that are greedily claimed by the ever-increasing market. Thousands of those go to the brooder houses, where, under the constant care of the management, they speedily grow to broiler size. At this time they are subjected to a severe culling, the select ones going to the colony houses on free range while the others go to the fattening house where they are specially fed and fitted for market.

This is one of the most profitable branches of the business on the farm as "Midlothian milk fed broilers" are greedily bought on the Chicago market at prices far above the regular market prices. Realizing that commercial and fancy qualities must go hand in hand to make the poultry business eminently successful the management of Midlothian Farms started at the beginning to develop their flocks along these lines. They have, by careful trapnesting, selecting and breeding for Standard requirements, developed strains in all their different varieties that show splendid type while at the same time they have proven their merit as egg producers, many of them having egg records ranging from two hundred to two hundred and seventy-five eggs per year.

Midlothian Farms do not claim to be producing the best exhibition quality in the world, but they do claim and testimonials from their thousands of satisfied customers bear them out in it, that they are producing fowls that come nearer meeting the demands of the average poultryman than has ever been produced by a like establishment. Their facilities for the production and rearing of poultry are unsurpassed. The equipments for housing and feeding are of the most modern type, while the integrity and honesty of the management is beyond reproach. What more is needed to insure the success of Midlothian Farms and Hatchery which has already been well established?—J. C. Johnston.



Type of Single Comb White Orpingtons bred by John G. Poorman, Midlothian Farms, Tinley Park, Ill.

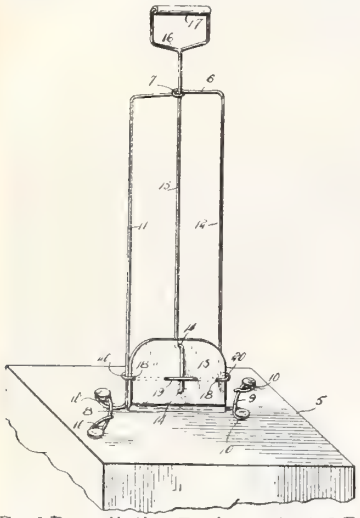
A league similar to a baseball league is to be formed by the poultry associations of Southern Michigan. Kalamazoo, Jackson, Flint, Lansing, Grand Rapids and Battle Creek will be the charter members of the new association.

The reports of forty-five public refrigerators of the United States, just out, shows that on July 1 there were stored in these houses 2,922,800 cases of eggs, thirty dozen to the case, or a total of 87,684,000 dozen, or 1,652,208,000 eggs. These eggs were valued at 24 cents a dozen, or a total of $21,044,160.

Recent Inventions for Poultrymen

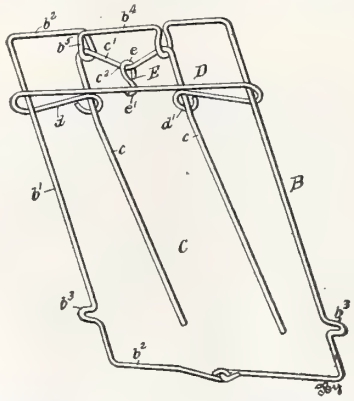
By Lester L. Sargent, Patent Attorney, Washington, D.C.

AN unusual number of novel poultry inventions made their appearance during December. The "holiday season" was suitably recognized by two inventors. The first of these—Harvey T. Swanton, of Rubicon, Wis.,—devised



Fowl Decapitating Device, patented Dec. 16, 1913, by Harvey T. Swanton, Rubicon, Wis. No. 1,081,411.

an invention that will be appreciated when holiday dinners are in prospect. It is a Fowl Decapitating Device of the guillotine type, consisting of a U-shaped wire frame attached to a block, and having an eye formed in its central portion, in which the shank of a handle is vertically movable. Guide wire members brace the knife and hold it in place in the U-shaped frame, so that it may be brought down with rapidity and precision

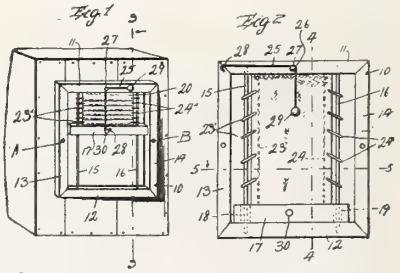


Trap Nest Front, patented Dec. 16, 1913, by William F. Mahony, Washington, D. C. No. 1,081,317.

at the crucial moment. Patent No. 1,081,411.

In the same class is the Poultry-Trap-Nest Front of William F. Mahony, of Washington, D. C. The Mahony device is constructed of wire, bent to form a gate over the front of the nest, to be swung open by the fowl entering the nest box. This releases the supporting means from the locking device on the gate frame and operates to lock the gate closed when the gate swings to closed position. Patent No. 1,081,317.

That sense of seclusion and privacy sought by all birds when they wish to lay is found in the Nest-Trap for which Charles L. Grant, of Merchantville, N. J., has taken out letters patent. The trap



Nest Trap, patented Dec. 16, 1913, by Charles L. Grant, Merchantville, N. J. No. 1,081,605.

may be applied to ordinary nest boxes. A subdued light and ample ventilation are afforded. No large openings exist through which a hen may thrust her head when curious or frightened, whether outside or within the nest, and which are a defect complained of as existing in some trap nests. The invention includes a main frame or nest, with vertical guide elements secured to it, and a gravitating

BUFF ORPINGTONS

WIN AT CINCINNATI, Dec., 1913, four times as many FIRST PRIZES as any competitor; all specials offered on Buffs and special for best display of Orpingtons. Our First Prize Sweepstakes Champion Cockerel, "KING B," is undoubtedly the best Buff Orpington that has been produced to date.

It matters not how strong the competition, their correct color, splendid type and size make them easy winners wherever they go. We can furnish winners for any show in the world and eggs that will hatch them. If in need of good stock or eggs, write us.

BRUCE & ABBOTT : : BOX 10 : : WHITELAND, INDIANA

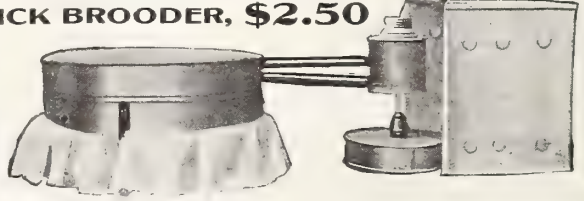


125 Egg Incubator for $6.98

OUR POOR MAN'S FRIEND—GUARANTEED FOR 5 YEARS

and will hatch any egg that any other incubator will hatch. It has triple wall, the outside is covered with metal, has the same fixtures that any high-grade incubator has. It is a plain hatcher with no complications. A child can run it. No possible way for it to catch fire from its own lamp. We want you to get our book that tells you all about our incubators and brooders. This incubator can't be equaled for double the price. Think of it—only $6.98.

30 to 50 CHICK BROODER, $2.50



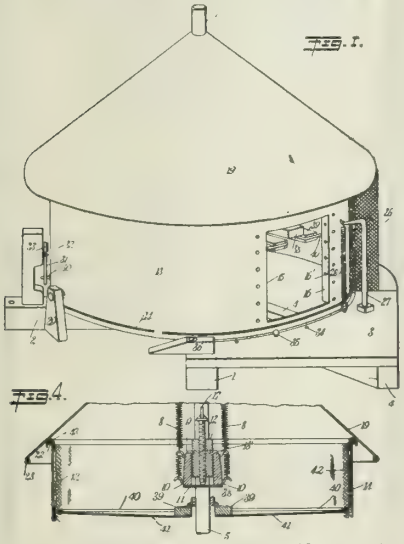
The Brooder illustrated, at right, will care for from 30 to 50 chicks. It is all metal and comes to you all complete for $2.50. Hot Water Circulation which is positive. Can be put in any ordinary dry goods box in 10 minutes. A warm flannel that is warmed by the water tank above drops on the chick's backs and hovers them like a mother hen.

Send a postal before you forget it and get our big book describing 53 different articles we make for you. Now is the time to get ready for Spring Hatching. GET YOUR ORDERS IN EARLY.

WENDELL INCUBATOR CO., 51 Main Street, HOLLY, MICH.

bar movably connected with them, and having a curtain attached to the bar, and with means for its operation. A right angular trigger is pivoted at the elbow on the main frame above the slide bar, provided with a weight at one end, and hooked at the other end, the hook being normally held rocked upwardly, and engagable with a pin on the slide bar when rocked downwardly to yieldably hold the slide bar raised. It should be noted, however, that the entrapped hen cannot escape from the nest until the curtain is raised by hand. Patent 1,081,605.

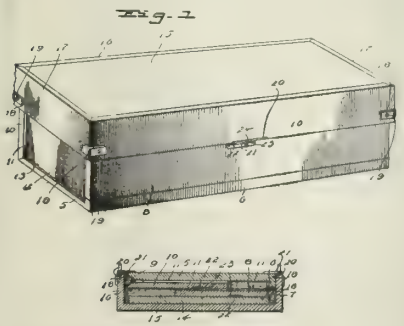
A Brooder invented by John A. Clark, of Bolckow, Mo., is constructed so as to automatically close up and house and protect the chicks when a certain number have entered it. The brooder is



Brooder, patented Dec. 16, 1913, by John A. Clark, Bolckow, Mo. No. 1,081,811.

operated by gravity, and while it is not a weighing machine, it may be adjusted to act as such for all practical purposes in poultry raising. Patent 1,081,811.

For carrying eggs in larger quantities, Madison L. Funk, of Madison, Okla., has devised a Collapsible Egg-Case. When not in use for the shipment of eggs the case can be folded to occupy small space.



Collapsible Egg Case, patented Dec. 9, 1913, by Madison L. Funk, Madison, Okla. No. 1,081,229.

Bottom and sides are hinged together, and ends removably secured to the bottom. The cover has catches to engage with the side walls of the body portion of the egg case. Patent 1,081,229.

A new Egg Carrier, the invention of Robert O. Hammond, of Farmingdale, N. Y., is one of the interesting poultry inventions of recent date. The patent rights in the invention have been acquired by the Tywacana Farms Poultry Co., of Farmingdale, N. Y. An egg box

THE WORLD'S BEST LAYERS

TRAP-NESTED 200 EGG STRAIN



White Rock "Lady Show You"—281 Eggs
R. C. R. I. Red "Lady Hattie"—255 Eggs

THE WORLD'S BEST LAYERS

BARRED ROCK BUFF ORPINGTON S. C. R. I. RED



Lady Vera 235 Eggs | Lady May 219 Eggs | Lady Agnes 236 Eggs

STOCK EGGS BABY CHICKS

Stock, Eggs & Baby Chicks

from profitable layers is your only guarantee for SUCCESS in the poultry business.

Isn't it a serious matter when eggs are selling for 35c to 50c a dozen and your hens are not laying? Ask the man who has failed. Also ask him if he would recommend the breeder he bought his stock from.

I breed for eggs and can furnish you stock that will lay when eggs are high. THAT MEANS YOUR SUCCESS.

PRICES:

Hens with trap-nested records.....each, $7.00 and $12.00
Pullets and Hens from trap-nested hens, each, $4.00 and $5.00
Cocks and Cockerels..... each, $6.00, $10.00 and $15.00
Discounts on Trios, Pens and Flocks.

Eggs 10c, 20c and 30c each. Baby Chicks, 20c, 35c and 50c each.

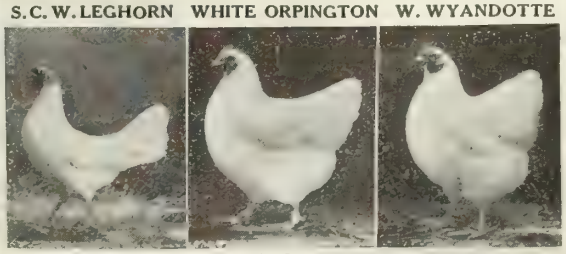
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1st and 2d Cock—shape and color special.
1st and 5th Cockerel.
4th Hen—shape special.
2d and 3d Pen.

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A. P. A. Championship Gold Medal for best cockerel in show.
A. P. A. Silver Medal for best in English class,

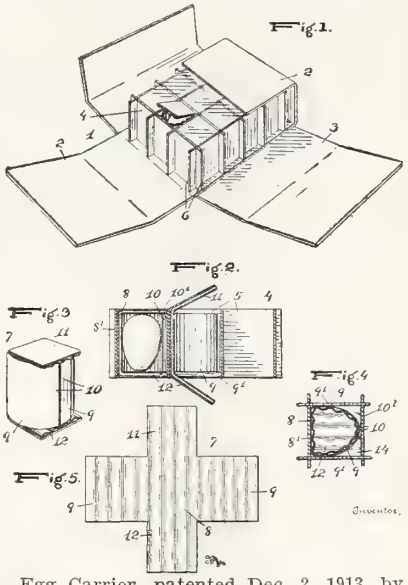
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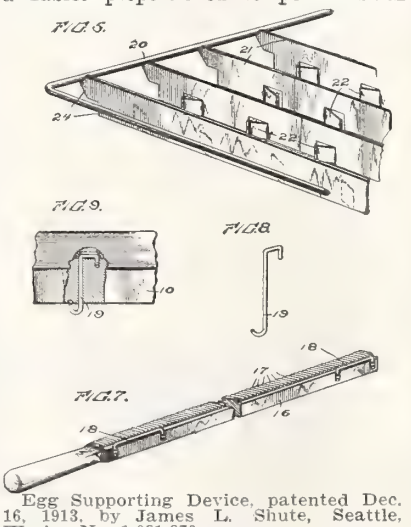
is provided having rectangular compartments for the eggs—one in each. The egg holder for each compartment is folded from a flat bank, bent up to form and having one flat side and opposite curved sides bearing against a flat side of the egg compartment. Approximated free edges bear against the other side



Egg Carrier, patented Dec. 2, 1913, by Robert O. Hammond, Farmingdale, N. Y. No. 1,080,276.

of the compartment. A rectangular top and a rectangular bottom having close engagement with the top and bottom of the compartment complete the device. The approximated free edges of the egg holder are for the purpose of adjustment to the egg, to accommodate eggs of varying sizes. These edges are held in position as adjusted by the wall of the compartment. Patent 1,080,276.

An Egg-Supporting device invented by James L. Shute, of Seattle, Wash., has been protected by two patents of recent date. One of these is directed to the egg-supporting surface of incubators. Spaced rollers are provided, covered by a fabric proportioned to permit slack



Egg Supporting Device, patented Dec. 16, 1913, by James L. Shute, Seattle, Wash. No. 1,081,870.

between each two rollers. Gears are provided on the ends of the rollers, meshing with a worm journaled along the side of the frame and which may be turned by a hand wheel, thus rotating the rollers, moving the fabric and turning the eggs



POULTRY FLATS

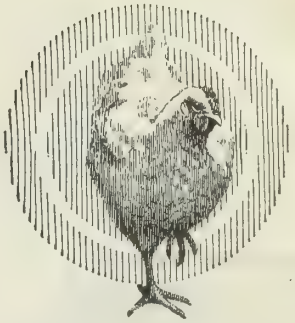
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6—Easily cleaned—no lice.
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10—If you build a common, ordinary poultry house, your extras will cost more than an Ott Brooder and Winter House combined, and then you only have the old way.
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The Guaranteed Egg, By Howard Mittman

and

Certified Poultry Farms, By P. A. Maurer

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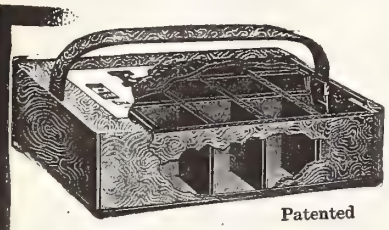
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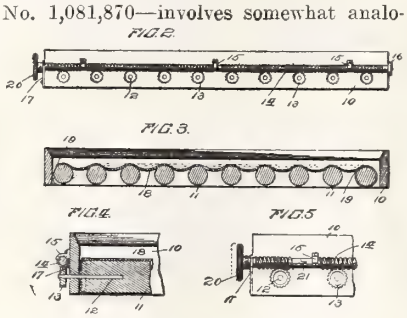
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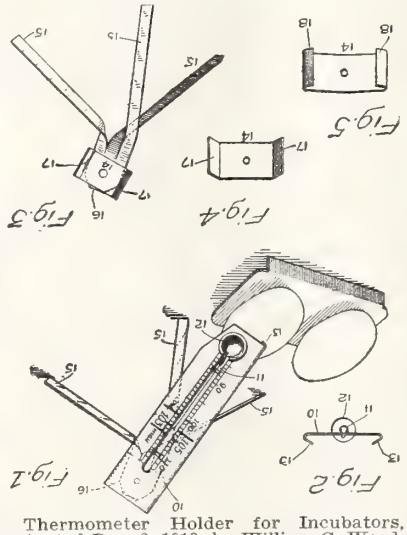
and providing an improved hatching surface. Patent 1,080,489 covers this part of the invention, which includes means for disconnecting some of the rollers when desired. The other Shute Patent—No. 1,081,870—involves somewhat analo-



Egg Supporting Surface for Incubators, patented Dec. 2, 1913, by James L. Shute, Seattle, Wash. No. 1,080,489.

gous mechanism, but employs a rack bar to engage with the roller gears, or star wheels. A grid is also provided comprising bars spaced immediately over the rollers extending longitudinally of them, in combination with adjacent bars aiding in holding the eggs in a given position in contact with adjacent rollers. The grid holds the eggs in position while being turned.

A novel Thermometer-Holder for Incubators is the invention of William G. Weed, of Stamford, Conn. It comprises a tripod formed by slitting a piece of sheet metal and bending the strips to form legs, leaving a head above the legs.



Thermometer Holder for Incubators, patented Dec. 2, 1913, by William G. Weed, Stamford, Conn. No. 1,080,131.

A carrier is pivoted to the head for engaging the thermometer plate. With this device the thermometer may be placed in any desired position among a batch of eggs. Patent No. 1,080,131.

A Machine for Washing Eggs by means of revolvable brushes has been invented by Elmer B. Cook, of Gilroy, Cal. The usefulness of such a machine where a large number of eggs are handled is obvious. The machine serves the further purpose of conveying the eggs from inlet to outlet of the machine where they are discharged into a receiver at the lower end—for the machine is set on an incline. Three brushes are employed, driven by suitable gears which are actuated by a motor (if available) or otherwise. The brushes all revolve in the same direction. The tufts of bristles are disposed spirally. The tufts rub upon the egg and shift it



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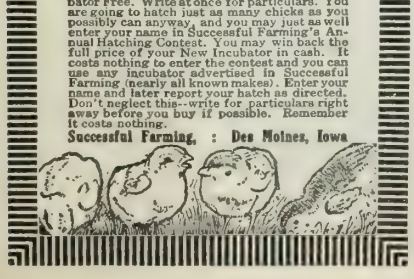
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toward the opening at the lower end of the machine. Water is supplied to the brushes from a tank positioned above them and which has minute outlet openings over the brushes. The trian-

Fig. 1.

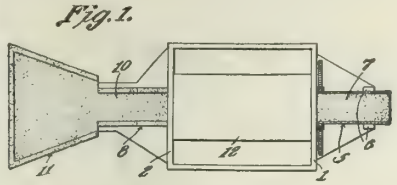
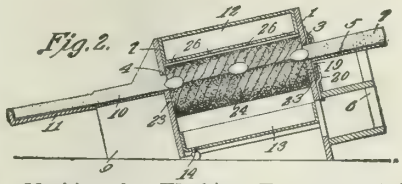


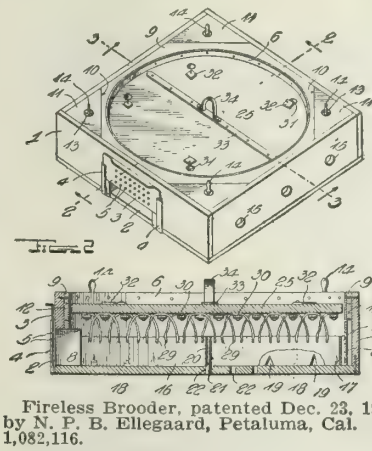
Fig. 2.



Machine for Washing Eggs, patented Dec. 16, 1913, by Elmer B. Cook, Gilroy, Cal. No. 1,081,367.

gular arrangement of the brushes serves to support the egg as it is brushed along and cleansed so that it may emerge perfectly white or brown according as the hen laid it. Patent 1,081,367.

N. P. B. Ellegaard of Petaluma, Cal., has patented a new Fireless Brooder. This brooder has a central chick compartment and a surrounding space for hot sand or other heating medium. The partitions are arranged so that the heat may be supplied to the chicks from above, the effect being the same as if the chicks were brooded by a hen. An adjustable top is provided adapted to be raised and lowered and supported at different elevations in the chick com-



Fireless Brooder, patented Dec. 23, 1913, by N. P. B. Ellegaard, Petaluma, Cal. No. 1,082,116.

partment—which is circular. Ventilating openings and disinfectants are accessories of the device. Partitions prevent the chicks from crowding and injuring each other. Felt strips depending from the cover of the chick compartment provide an effective hover device, and may be easily removed for renovation. Patent 1,082,116.

A Poultry-Feeder of the exerciser type has been patented by Cyrus W. Zimmer, of New York City. It is operable in part through gravity, and presumably this eliminates a difficulty accompanying some feeders of this sort—that they call for to great an exercise of muscle on the part of hungry hens. A cone and pendulum member are suspended from the mouth of a hopper. The operating pendulum rod is pivotally mounted upon a transverse rod. The swinging movement caused by hens picking on the

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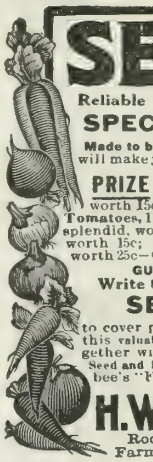
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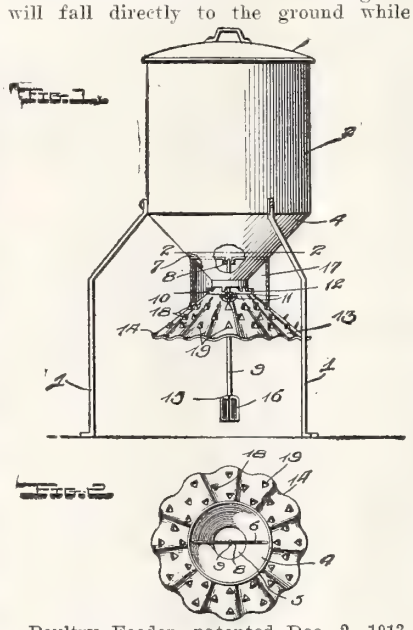
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The Keyes-Davis Co., Inc., Dept. 502 Battle Creek, Mich.

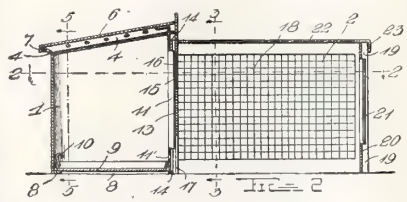
depending rod tilts the receptacle so that the tongues on the bottom of the hopper will throw the feed out of the receptacle. Owing to the openings in the conical deflector some of the grain will fall directly to the ground while



Poultry Feeder, patented Dec. 2, 1913, by Cyrus W. Zimmer, New York City. No. 1,080,133.

other kernels will be scattered at a distance. Patent 1,080,133.

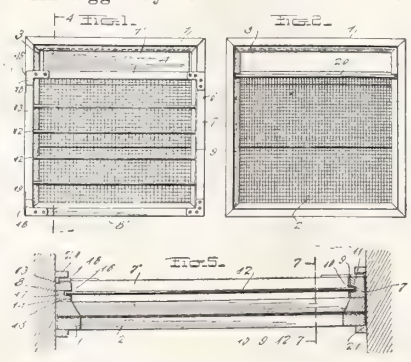
A Brooding-Coop has also been recently patented by Charles Lyman, of Clarinda, Iowa. Its novelty resides in its being a knock-down coop, having side, front and rear sections separably con-



Brooding Coop, patented Dec. 16, 1913, by Charles Lyman, Clarinda, Iowa. No. 1,081,847.

nected at the corners, with suitable engaging flanges and a detachable floor. It is intended for brooding hens. Patent, 1,081,847.

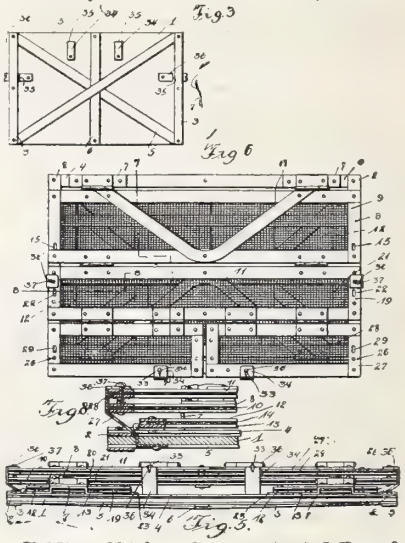
An Egg-Tray for Incubators for me-



Egg Tray for Incubators, patented Dec. 16, 1913, by Frank Geiger, Everest, Kan. No. 1,081,903.

chanically turning all of the eggs without handling has been invented by Frank Geiger, of Everest, Kan., and the patent rights assigned to "Our Mfg. Co." A frame is provided having a reticulated bottom and combined with an egg turning rack shorter than and slidable on the tray. About 18 hours before the hatch is expected the rack is removed from the tray, and the exit passage into a brooder below is opened. Patent No. 1,081,903.

A Folding Chicken-Coop has been invented by Arthur C. Danielson, of Col-



Folding Chicken Coop, patented Dec. 9, 1913, by Arthur C. Danielson, Colfax, Wis. No. 1,080,542.

fax, Wis. It can be folded to a most compact form for transportation or storage. Sides and ends are hinged to the bottom, and supplemental top sections are provided. The top can be opened to remove fowls. Patent 1,080,542.

TOWNSEND'S New-Life Saves Chickens 50c 6 for $2.50
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Station "A" OMAHA, NEB.

YESTERLAID LEGHORN SUPREMACY
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Yesterlaid Egg Farms Co., Dept. 5, Pacific, Mo.

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Stover Mfg. Co., 318 Plymouth St., Freeport, Ill.

Current News of the Poultry World

by J. F. Shureman

One of four hens in a pen, in the laying contest at the Aurora (Ill.) poultry show in January, laid two eggs in one day, according to report. The four hens in the pen laid five eggs during the day, so one of the hens must have laid twice.

Edward Corton, who has demonstrated "scientific" poultry picking at several New England poultry shows, established a record at the Derry, N. H., show that will be hard to beat. He killed and picked four birds in 2¾ minutes, and, according to the timers, picked one of them in 20 seconds. This may seem incredible to the farmer who has spent an hour in killing and picking one fowl, but it is scientific methods that count in these days.

"The Southwestern Poultry Mirror" is the name of a new poultry publication launched at Hutchinson, Kan., in January. N. W. Larimore is the editor and Giles E. Miller is business manager. Here's our best wishes—and also our sympathy.

One of the freaks at the recent Chicago Poultry Breeders' Association show was a bird that appeared to be half hen and half rooster, but which has never laid an egg or crowed. The bird has spurs and tail feathers longer than those of the average rooster, but its head and breast are those of a hen.

J. H. Darling, head of the poultry department of the Mansfield, Ohio, reformatory, is the inventor of a scheme that he claims will double the egg product of a flock of hens. His plan is to divide the day of twenty-four hours into halves and make the hen's day twelve hours long, six hours of light and six of darkness. The hencoop is a huge steel box, ventilated and illuminated with electricity. The lighting system is such that "sunrise" and "sunset" come gradually, just as in the longer natural day. Secretary S. T. Campbell, of the A. P. A., had better look after his fellow citizen before the fool-killer gets him.

"Poultry," the magazine that for some seven or eight years has been published at Peotone, Ill., has been purchased by C. M. Walter, of Kalamazoo, Mich., and will be published and issued from that city hereafter. Mr. Walter is a practical poultryman and has had some experience in the publishing field. He will no doubt make a success of his new venture.

What purports to be the nucleus of the "largest poultry breeders' organization in the world" has been launched at Asbury Park, N. J., by J. Robert Livingston and others. It will be known as the "Inter-State Club" and its object is "to bring closer together the poultry fanciers of the entire country." Fifty thousand postal cards have been sent out, soliciting memberships from every section of the United States. The promoters of the enterprise also expect to establish near Wanamassa, N. J., a "permanent school for practical poultry raising on a profitable and scientific basis."

The state of Colorado imports $4,000,000 worth of poultry and eggs annually, but if the increase in the production of these commodities continues as during the past two years, the time is not far distant when the state will be an exporter of poultry and eggs instead of an importer. According to official figures, in 1912 the production of poultry and eggs in that state increased $960,000 over the previous year, and it is conservatively estimated that the production for 1913 was at least $1,000,000 over that of 1912.

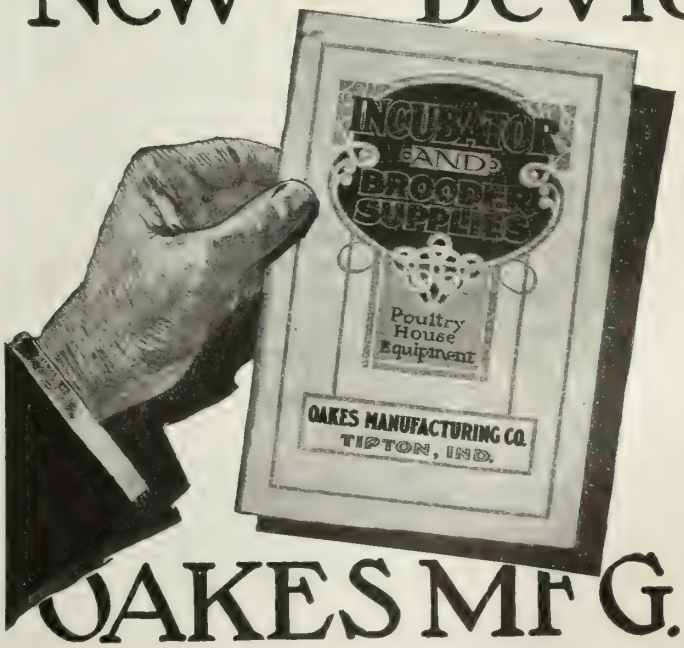
At the poultry show in Boyertown, Pa., in January, Elliott Herbine, a Rhode Island Red breeder of Oley, Pa., had a hen on exhibition that was a true Rhode Island Red hen except that she was covered with "hair" instead of feathers, like a Silky. She was a "sport" from Mr. Herbine's flock.

During the year 1913 poultry to the amount of $3,000,000 was shipped from Enid, Okla., to the Eastern markets, a record that puts Enid on the map as a poultry shipping point.

At the annual meeting of the Iowa State Poultry Association at Des Moines in January, a committee was appointed to try to secure an appropriation from the next legislature for the furthering of the poultry industry of the state. By a vote of fifty-two to two it was decided to hold the next state show in Davenport.

As a result of several poultry meetings held near Mountain Grove, Mo., thirty farmers in that vicinity have signed agreements to handle their poultry under the direction of the Missouri State Poultry Experiment Station at Mountain Grove, as an extension department of the

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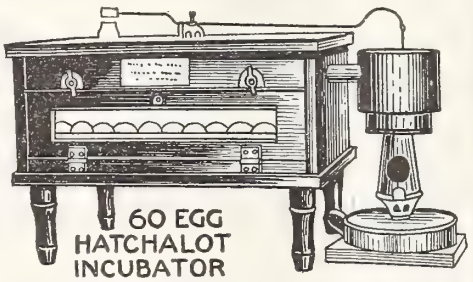
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Your chicks must be brooded right, with plenty of fresh air and reliable overhead warmth. International Sanitary Hovers are used on the largest poultry farms because they *keep* chicks healthy. Made of metal, heavily insulated, heat radiated from above. Circular and warmest just inside the curtain, preventing crowding at centre. To set it up, you simply light the lamp and it is ready for use anywhere. Cannot burn, break, or warp. It is the only fresh-air hover. **Price, $8.50.**

You Save Grain and Labor With The 6 in 1 Exerciser Feeder



A large metal hopper on four strong iron legs, makes the fowls exercise for their feed, keeping them healthy and preventing waste of food. Saves labor. Beside grain exerciser, it contains six other compartments for dry mash, beef scraps, charcoal, grit, etc. Makes other feeding devices unnecessary. **Price, 40-quart, $4.75; 20-quart, $3.75.**

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Hover-Incubator Mfg. Co., Box 511, Browns Mills, N. J.

experiment station. Each farmer agrees to keep an accurate account of expenses and revenue from his flock, and these reports will be used as a basis for a comprehensive report on the value of poultry as a farm side line.

A concrete building with a capacity for nearly 9,000 birds is to be erected in Fort Worth, Texas, for the annual exhibitions of poultry held in connection with the National Feeders' and Breeders' Association. Plans are already under way for the construction of the building.

Arthur R. Coulson, the well-known poultry and feed dealer of San Francisco, Cal., at one time one of the most prominent poultrymen on the Pacific coast, was found guilty of murder in the first degree by a jury in a San Francisco court recently, the jury recommending that the penalty be fixed at life imprisonment. Coulson was charged with the murder of two men in a San Francisco garage last September.

One of the interesting exhibits at the Iowa State show in Des Moines in January was a flock of sixty wild Mallard ducks, the property of F. A. Geneser, of Monroe, Iowa. Two years ago Geneser secured a number of Mallard duck eggs in the swamps of Northern Iowa, took them home and hatched them under hens. Last year he raised a large number and now has the largest flock of domesticated wild ducks in the world.

Frank C. Hare, of the Bureau of Animal Industry, Washington, D. C., formerly of Quincy, Ill., has been assigned to the work of organizing poultry clubs throughout the state of South Carolina, principally among the boys and girls of the state.

A Black Minorca hen owned by Mrs. Grace Roberts, of Pueblo, Colo., is said to hold the world's record for the production of a large egg. This hen laid an egg that weighed exactly five ounces and that was nearly as large as an ostrich egg.

T. F. Puckett, for many years a famous horseman of Kentucky, has purchased a tract of land near Sacramento, Cal., and will engage in the poultry business on a large scale.

A new poultry exhibition building to cover not less than an acre of ground is to be erected in Salt Lake City, Utah. Stock is to be issued at $5.00, par value, no one person to have more than two shares. Members of the Salt Lake County Poultry Association subscribed for 200 shares at a recent meeting of the association. The entire fund for the construction of the building will be raised from the sale of stock.

Canadian poultrymen are going to petition the Dominion Government to pass a bill prohibiting the importation of diseased poultry for breeding purposes.

A Barred Rock hen belonging to Mrs. E. B. Duff, of Worcester, Mass., hatched out sixteen chicks on Christmas morning.

Over a thousand new members were added to the roll of the Rhode Island Red Club of America during 1913.

A. S. Williams, an inmate of the State Hospital for the Insane at Watertown, Ill., during the year 1913 raised 1,300 chickens, 76 geese and 200 ducks.

List of Exhibitors at Madison Square Garden Show

Ackerman, P. A., Allendale, N. J.
Aird, P. E., 293 West Notre Dame St., Montreal, Can.
Adamson, James, 186 Main Ave., West New Brighton, N. Y.
Albers, Wm. F., 300 Rochester Ave., Brooklyn, N. Y.
Abbensett, Herman, Blairstown, N. J.
Albin, Jas. E., Babylon, L. I.
Almy, F. W. C., Tiverton 4 Corners, R. I.
Anderson, Aumersly M., Morton, Pa.
Adams, H. C., Lynchburg, Va.
Ayers, Levi A., Granville, N. Y.
Anderson, R. H., 310 Washington St., Lynchburg, Va.
Arlitz, Oscar C.
Aldrich Poultry Farm, Columbus, O.
Anderson, Louis, Bloomsbury, N. J.
Andrews, Frank L., 831 Highland Ave., Fall River, Mass.
Ashe, J. G., Rawley, N. C.
Armer, Fred, Ballston Spa, N. Y.
Ashokan White Orpington Yards, Brown Station, N. Y.
Armstrong Poultry Yards, Dunellen, N. J.

Baerman, F. D., Dunellen, N. J.
Bates, R. W., Little Silver, N. J.
Bast, W. F., 14 Marshall St., Philipsburg, N. J.
Barrows & Barrows, East Rutherford, N. J.
Baisley, Arthur, Peekskill, N. Y.
Barnum, Edw. S., 5 Reservoir Ave., Bridgeport, Conn.
Beallwood Poultry Farm, Columbus, Ga.
Beebe, C. H., Saddle River, N. J.
Benson, F. S., Glen Ridge, N. J.
Bechtel, F. W., Neffs, Pa.
Bennett, H. N., Glen Rock, N. J.
Benton, Frank, Middletown, N. Y.
Bessom, Geo. E., 41 Union St., Mansfield, Mass.
Besuden Bros., Cincinnati, Ohio.
Bertram, Fred, Bound Brook, N. J.
Benson, F. S., Glen Ridge, N. J.
Bird, E. D., Greenville, Conn.
Bidding, J. W., 439 Race St., Sunbury, Pa.
Bigelow, Prescott, Jr., 70 Kilby St., Boston, Mass.
Bishop, R. W., Guilford, Conn.
Blyth, Charles, Toronto, Can.
Black Beauty Orpington Yards, Southport, Conn.
Blythewood Poultry Yards, Mt. Kisco, N. Y.
Bleakley, J. J., Abilene, Kans.
Blake, W. J., Burnside, Conn.
Bloomingdale, Chas. A., Floral Park, L. I., N. Y.
Boshen, C. H., Ashland, Va.
Boppe, Frank L., 306 6th Ave., Newark, N. J.
Boyd, H. T., Sweetwater, Tenn.
Bird Bros., Myersdale, Pa.
Brookside Poultry Farm, R. F. D. No. 1, Elizabeth, N. J.
Brown, Louis G., Niagara Falls, N. Y.
Bray, Andrew, Willimantic, Conn.
Brandrith, D., Ossining, N. Y.
Briggs, Edgar, Pleasant Valley, N. Y.
Brokaw, J. K. & H. L., 97 East Main St., Somerville, N. J.
Briscoe, S. W., Valley Cottage, Rockland Co., N. Y.
Bradley, Samuel W., Lime Rock, Conn.
Broughton, Frank, 107 E. Newell St., Syracuse, N. Y.
Brooks & Hoffman, 241 Abbot Road, Buffalo, N. Y.
Bruesie, Nelson, Salisbury Mills, N. Y.
Branthoover, J. C., Huntington, W. Va.
Brubaker, E. E., Bird-in-Hand, Pa.
Britton, Harry W., Moorestown, N. J.
Brown, L. H., Lunenburg, Mass.
Burrall, Anna L., Union City, Conn.
Burgess, J. K., 363 Grove St., Upper Montclair, N. J.
Burnett, W. L., Montgomery, N. Y.
Butler, Vincent, Huguenot Park, Staten Island, N. Y.
Bush, Dr. Wm. W., Rushford, N. Y.

Callender, P. L., Chatham, N. Y.
Callan, Albert S., Chatham, N. Y.
Caw-Law Poultry Farm, Rosedale, Md.
Carver's Red Farms (A. A. Carver), Seville, Ohio.
Carson, A. J., Vandergrift, Pa.
Carter, E. E., 967 Broadway, Knoxville, Tenn.
Caspersen, Bjorne, New Canaan, Conn.
Carey, Bert B., Lynbrook, L. I.
Carr, Mrs. H. J., Barre, Vt.
Case, C. W., Rochester, Mich.
Chambers, Geo. P., 94 Albion Ave., Paterson, N. J.
Chiles & Co., Mt. Sterling, Ky.
Chestnut Hill Poultry Farm, Chestnut Hill, Pa.
Christman, A. S., Trumbauersville, Pa.
Cedarvale Poultry Farm, Box 359, Closter, N. J.
Cheseborough, Dr. H. E., Greenwich, N. Y.
Chalker, R. S., Higganum, Conn.
Church, F. A., 355 W. Colvin St., Syracuse, N. Y.
Christie, Petrie H., Mount Hamilton, Ont., Can.
Clarke, Geo., West Pawlet, Vt.
Clark, J. H., Boonton, N. J.
Clark, Fred A., 99 Elm St., Kearny, N. J.
Clark, Geo. A., Seymour, Ind.
Collins, E. R. & Son, 430 Kent Ave., Brooklyn, N. Y.
Coffin, J. C. & Co., Sewickley, Pa.
Cochran, Ford, 1531 Madison Ave., Indianapolis, Ind.
Coleman, Geo. A., Poughkeepsie, N. Y.
Columbian Poultry Yards, East Williston, L. I.
Collins, E. I. I., Pine Orchard, R. F. D. No. 2, Conn.
Conrad, E. K., 31 Essex St., Hackensack, N. J.
Cocroft & Marsden, Roselle Park, N. J.
Cook, C. S., 70 Valentine St., West Newton, Mass.
Cook, C. S., Jr., 70 Valentine St., West Newton, Mass.
Cook, Wm. & Son, Scotch Plains, N. J.
Connolly, R. C. & R. L., Waukegan, Ill.
Cook, Wm. H., Limited, Orpington, Kent, England.
Cook, Fred A., Beaver, Pa.
Cosby, M. B., Smithville, Ont., Can.
Cope, John S., Haines St., Germantown, Pa.
Crowther, Ira M., Willoughby, Ohio.



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The Newtown Giant Coal-Burning Colony Brooder not only soon earns its cost by cutting down fuel expense 75%, but its

Automatic Coal Feeder holds a 24 to 48 hours' supply of coal, feeds it just as needed, and insures a constant, even fire, easy to control.

Heat Radiator prevents the heat escaping up the chimney, distributes all of it to the chicks and saves much fuel.

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Fire proof. No lamp fumes or soot. Can be installed and put to use in barn, colony house, or regular poultry building. Gives solid comfort to the chicks day and night.

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saves worry, time, money and labor. It is practical, simple and dependable. Try it and learn how easily you can grow plenty of good chickens.

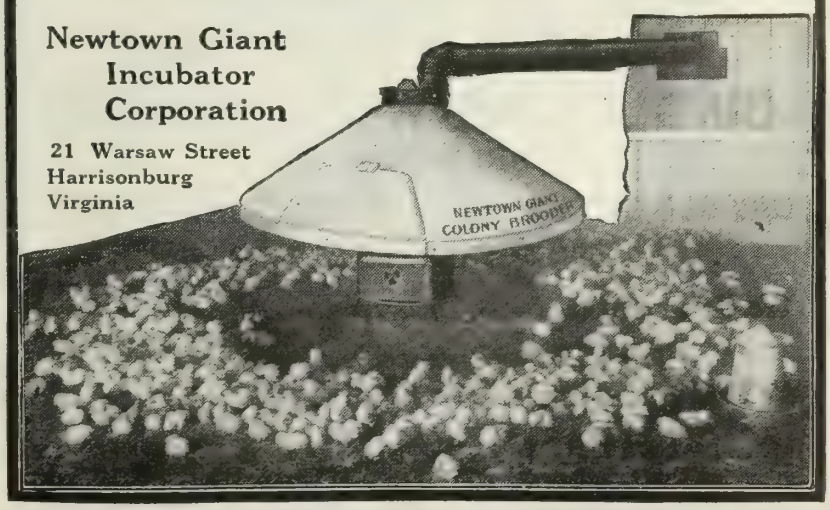
This brooder is made in two sizes. The smaller accommodates any number of chicks up to 500; the other, 1,000 to 1,500. The chicks may be brooded in one flock, or divided by low partitions into two or more flocks if desired. Chicks of different ages may thus be brooded at the same time.

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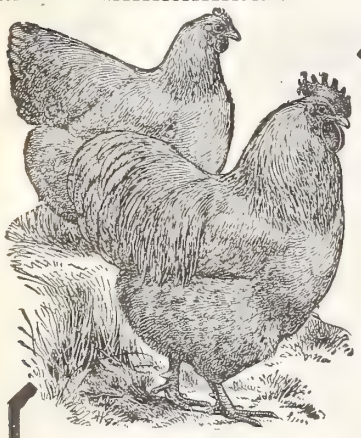
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Dare, Carl, Des Moines, Iowa.
Dalzell, W. J., Mt. Vernon, N. Y.
Davis, Mrs. W. C., East Liberty, Pa.
Dare, Ed. M., Dover, Del., R. F. D.
Darnell, W. L. W., Eastport, L. I., N. Y.
Dartmoor Yards, Oconomowoc, Wis.
Delano, Maurice F., Vineyard Haven, Mass.
De Bathe, Capt. Max J., Hotel Seville, N. Y. City.
Dean, E. F., 9 West Market Square, Williamsport, Pa.
Densmore Poultry Farm, Roanoke, Route 3, Va.
Deming, H. P., Robertsville, Conn.
Depper, W. H., So. Lincoln, Mass.
Diffenderffer, C. M., 109 Commerce St., Baltimore, Md.
Dickenson, W. A. & Son, Dalton, Mass.
Donald, J., Whighton, England.
Dorian, Dr. F. P., Yonkers, N. Y.
Dorman, Harold B., 2689 North Ave., Bridgeport, Conn.
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Elm Poultry Yards, Hartford, Conn.
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Etzenspuger, Wm., Willoughby, Ohio.
Everett, Miss Annie, 114 S. 8th St., Allentown, Pa.
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Gaebel Bros., Morristown, N. J., Box 62.
Gerhard Poultry Plant, Flemington, N. J.
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Hamilton, Samuel, Toronto, Canada.
Haynes, Mrs. Will L., Norwich, N. Y., R. D. No. 2.
Hancock, A. G., Lynchburg, Va.
Hampden Poultry Yards, 120 Hampden St., Chicopee, Mass.
Harmony Park, Scotch Plains, N. J.
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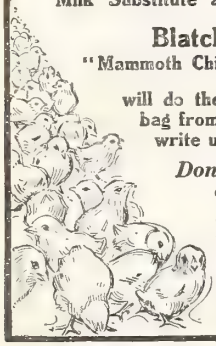


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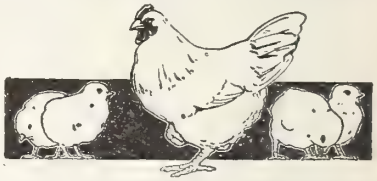
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Wilburtha Poultry Farms, Trenton Junction, N. J.
Williams, R. F., Honeoye Falls, N. Y.
Willow Brook Farm, Basking Ridge, N. J.
Wildbrook Farm, Closter, N. J.
Wilhelmina Poultry Farm, Morganville, N. J.
Wilson, William, Willowgrove, Pa.; R. F. D.
Williamson, D. F., 33 Western Ave., Morristown, N. J.
Wilcox, R. L., 419 S. Main St., Wilkesbarre, Pa.
Windholme Farm, Islip, L. I., N. Y.
Williams, R. G., Barre, Mass.
Winner, L. W., 229 Hughes St., Williamsport, Pa.
Woolifield Poultry Yards (J. C. Eby), Folsom, N. J.
Wood, Chas. H., 715 State Mutual Bldg., Worcester, Mass.
Widowfield, Wm., Clarks Green, Pa.
Wolbert, A. E., Narberth, Pa.
Winans & Bush, 98 Sylvan St., Rutherford, N. J.
Woodward, Ralph, Grafton, Mass.
Wood, Harvey C., Bound Brook, N. J.
Wood, Fred E., 25th St. and Mitchel Ave., Flushing, L. I.
Woodland, F. C., 236 E. Oak St., Morristown, Pa.
Wyant Bros., Thornton, Ind.
Wyebrook Farm, Albany, N. Y.
Wright & McCormick, room 25, D. & H. Station, Scranton, Pa.
Woodbrook Poultry Farm, Woodbrook, Md.
Wilcox, J. M. & Sons, 114 Carey Ave., Wilkesbarre, Pa.
Young, D. W., Monroe, N. Y.
Yost, P. H., South Bethlehem, Pa.
Young, Wm. H., Easton, Pa.
Yellott, Chas. W., Jr., Peekskill, N. Y.; Box 51.
Yabs, Fred, 1136 Ogden St., Ex. 1, Bridgeport, Conn.
Yama Farms, Napanoch, Ulster Co., N. Y.

List of Awards at Madison Square Garden Show

BARRED PLYMOUTH ROCKS.

Cocks—E. B. Thompson, 1-4; Yama Farms, 3; A. C. Hawkins, 2; Chestnut Hill Poultry Farm, 5.
Hens—C. N. Myers, 1-5; Yama Farms, 2-3-4.
Cockerels—E. B. Thompson, 1-2-3-4-5.
Pullets—C. H. Latham, 1-4; C. N. Myers, 2-3; E. B. Thompson, 5.
Pens—E. B. Thompson, 1-2-4; C. N. Myers, 3; Yama Farms, 5.

WHITE PLYMOUTH ROCKS.

Cocks—Mirimichi Poultry Farm, 1; Maurice F. Delano, 2-4; Hampden Poultry Yards, 3-5.
Hens—Maurice F. Delano, 1-5; R. S. Chalker, 2; Rancocas Poultry Farm, 3-4.
Cockerels—Rancocas Poultry Farm, 1; Mirimichi Poultry Farm, 2-4; J. D. Koons, 3; Maurice F. Delano, 5.
Pullets—Maurice F. Delano, 1-5; Mirimichi Poultry Farm, 2; J. D. Koons, 3; R. S. Chalker, 4.
Pens—Maurice F. Delano, 1-5; Meadowbrook Poultry Farm, 2; Mirimichi Poultry Farm, 3-4.

BUFF PLYMOUTH ROCKS.

Cocks—Fred Armer, 1-3; Linfield Poultry Farm, 2; J. J. Bleakley, 4; E. H. Leichtenwalter, 5.
Hens—Fred Armer, 1-4; Freier & Lukens, 2; Linfield Poultry Farms, 3; J. J. Bleakley, 5.
Cockerels—Linfield Poultry Farms, 1; Freier & Lukens, 2-5; James H. Vincent, 3; E. H. Leichtenwalter, 4.
Pullets—Fred Armer, 1-4; Linfield Poultry Farms, 2-3; J. J. Bleakley, 5.
Pens—Linfield Poultry Farms, 1-4; Freier & Lukens, 2; Fred Armer, 3.

SILVER PENCILED PLYMOUTH ROCKS.

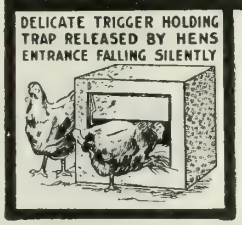
Cocks—Harry Hawkins, 1; Bonaparte

S. C. BLACK ORPINGTONS

A few nice females and males for show or breeding. Prices reasonable.
EGGS, $4.00 PER 15.

Foster & Johnston, R. R. 7, Fort Wayne, Indiana

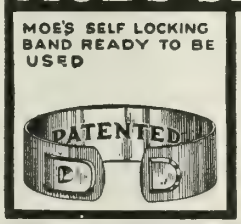
MOE'S NEVER FAIL TRAP NEST



(Patent Pending)
A solution of all trap nest troubles—for, as the name implies, it never fails.
Lice-proof, fully sealed back and sides, but affording plenty of air when the hen is trapped. Can be placed anywhere in the poultry house. The trap is easily removed, so that the nest can be used as an ordinary one. Set up and ready for use when shipped.
No. 33, 1 foot square, complete 75c
No. 34, 14 in. square, complete $1



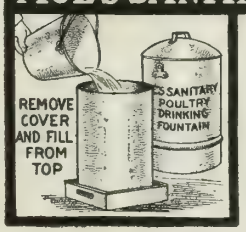
MOE'S SELF LOCKING LEG BAND



(Patented)
You simply push it together to lock it and it can only be removed by destroying the band. A sealed band that requires no sealer.
Every band has its own raised or embossed number.
12 Bands, any size 15c
Liberal Discount on Quantities



MOE'S SANITARY POULTRY DRINKING FOUNTAIN



(Patent)
The most popular fountain on the market. Fills from the top.
Dead air space keeps water cool in summer and from freezing in winter. Drinking pan now made square, which does away with spilling when hung up. Can be used for two pens at the same time. Prevents chickens from getting their wattles wet and freezing in the cold weather. Manufactured in three sizes:
No. 1, 1-gallon capacity - $1.25
No. 2, 2-gallon capacity - $1.75
No. 3, 3-gallon capacity - $2.25



Also specially constructed for ducks and pigeons.

These Are a Few of the Good Things in MOE'S LINE.

Write for complete catalog. If not at your dealer's, write us mentioning dealer's name and we will see that your wants are filled at above prices, your city.

OTIS & MOE, 2011 Otis Bldg., CHICAGO, U. S. A.

Park Poultry Farm, 2-3.
Hens—Bonaparte Park Poultry Farm, 1-3; Harry Hawkins, 2.
Cockerels—Bonaparte Park Poultry Farm, 1-2.
Pullets—Otto Sanger, 1; Bonaparte Park Poultry Farm, 2-3.
Pens—Bonaparte Park Poultry Farm, 1.

PARTRIDGE PLYMOUTH ROCKS.

Cocks—Grove Hill Poultry Yards, 1; Paul Klingbeil, 2; Besuden Bros., 3-4; Bonaparte Park Poultry Farm, 5.
Hens—Paul Kleinbeil, 1; Bonaparte Park Poultry Farm, 2-3; I. W. Mole, 4; Besuden Bros., 5.
Cockerels—Grove Hill Poultry Yards, 1; H. J. Roth, 2; Bonaparte Park Poultry Farm, 3-4; Besuden Bros., 5.
Pullets—Paul Kleinbeil, 1; H. J. Roth, 2; Bonaparte Park Poultry Farm, 3-5; Besuden Bros., 4.
Pens—Bird Bros., 1-2; Besuden Bros., 3; Walter C. Renaker, 4; Paul Kleinbeil, 5.

COLUMBIAN PLYMOUTH ROCKS.

Cocks—Wilburtha Poultry Farms, 1.
Hens—Wilburtha Poultry Farms, 1.
Cockerels—T. J. Enslin 1; Samuel W. Bradley, 2; Wilburtha Poultry Farms, 3; A. A. Whyland, 4-5.
Pullets—Wilburtha Poultry Farms, 1-4; T. J. Enslin, 2; Samuel W. Bradley, 3; A. A. Whyland, 5.
Pens—Samuel W. Bradley, 1.

SILVER WYANDOTTES.

Cocks—R. G. Williams, 1; Millspaugh & Decker, 2; James F. Hughes, 3-4; W. Q. Minturn & Son, 5.
Hens—J. Reepmeyer, Jr., 1; L. H. Brown, 2-5; P. E. Aird, 3; R. G. Williams, 4.
Cockerels—R. G. Williams, 1; Oak Crest Poultry Yards, 2; J. Reepmeyer, Jr., 3; J. F. Van Alstyne, 4; Millspaugh & Decker, 5.
Pullets—J. Reepmeyer, Jr., 1; James F. Hughes, 2-4; Edwin H. Morris, 3; R. G. Williams, 5.
Pens—R. G. Williams, 1; R. W. Bates, 2; Millspaugh & Decker, 3.

GOLDEN WYANDOTTES.

Cocks—Albert Fletcher, Jr., 1-2.
Hens—Albert Fletcher, Jr., 1-2.
Cockerels—Albert Fletcher, Jr., 1-2.
Pullets—Albert Fletcher, Jr., 1-2-3.
Pens—Albert Fletcher, Jr., 1.

WHITE WYANDOTTES.

Cocks—A. J. Fell, 1; Arthur G. Duston, 2-3; A. W. Hewitt, 4; Geo. H. Pollard, 5.
Hens—A. J. Fell, 1-3; Maurice F. Delano, 2; Arthur G. Duston, 4-5.
Cockerels—Arthur G. Duston, 1; A. J. Fell, 2-3-4; Maurice F. Delano, 5.
Pullets—Arthur G. Duston, 1-3-4; A. J. Fell, 2-5.
Pens—A. J. Fell, 1; Onlya Farm, 2; Maurice F. Delano, 3; West Mt. Poultry Yards, 4; Arthur G. Duston, 5.

BLACK WYANDOTTES.

Cocks—Robincrest Farm, 1; Nesbitt & Brown, 2; Howard Grant, 3; Alfricha Meadows, 4.
Hens—Alfricha Meadows, 1-3; Robincrest Farm, 2; Nesbitt & Brown, 4-5.
Cockerels—Alfricha Meadows, 1-2-3; Howard Grant, 4; Robincrest Farms, 5.
Pullets—Alfricha Meadows, 1; Robincrest Farms, 2; Edwin M. Morris, 3.

BUFF WYANDOTTES.

Cocks—W. G. Marshall, 1; W. F. Schultz, 2; Besuden Bros., 3; Stuart A. Howland, 4-5.
Hens—W. G. Marshall, 1-4; Stuart A.

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Win the most remarkable record beyond all precedent in Barred Rock history at the imperial and most classic show of all America—Madison Square Garden, New York—winter of 1913, winning as follows:

First, second, sixth and eighth on cockerels.

First and sixth on pullets.

First, second and fifth on exhibition pens.

First on cockerel mated pen.

Second, third, fourth and fifth on cocks.

The Imperial Prize of the show, Sweepstakes special for champion male.

Sweepstakes special for champion female.

Diploma presented by the Amer. Poultry Ass'n for best cockerel.

Sweepstakes cup for best Plymouth Rock hatched in 1912, male or female, any variety.

Challenge silver cup for best exhibition pen.

Special best shaped male.
Special best colored male.
Special best colored female.

Best cock, cockerel, hen and pullet, four best cockerels, four best pullets, $25 special prize, presented by the New York Show for finest display.

All silver cups and cash specials—four times as many first prizes as any competitor.

More first prizes than all competitors combined. More first, regular and special prizes than won by any exhibitor of any breed.

My Exhibit of 56 Birds Was the Best the World Had Ever Seen

No other Barred Rock breeder has ever produced or is producing such matchless quality. Every feather in my exhibit was bred on my farm. My First Prize Champion Cockerel and First Prize Champion Pullet are years ahead of their time. They are the product of the highest skill.

No other Barred Rock breeder has ever accomplished the unprecedented achievement of winning the two greatest prizes in the world, Sweepstakes Champion Male and Sweepstakes Champion Female, at one show in Madison Square Garden. For 26 years at New York my "Ringlet" victories have been complete; my clean sweep of 1ST, 2ND, 3RD, 4TH AND 5TH PRIZES on pullets has never been approached at Madison Square Garden

and stands alone and unequalled. The Imperial "Ringlets" are the standard by which all other Barred Rocks are judged. To meet success in winning prizes you must have my birds and eggs. I will sell you grand exhibition birds for any show, and breeders of this Richest First Prize, New York, blood mated to produce prize winners. Richly illustrated 70-page catalogue upon request. It is full of original pictures of New York winners from life. When writing mention Am. Poultry Journal.

See my ad on back cover page for wonderful 1914 record at New York

E. B. Thompson

EGGS from the finest matings in the world, $10 per setting; four settings, $35; 100 eggs, $60.

Lock Box 510, Amenia, N. Y.



"Ringlet" First Prize Ckl. and Champion Male at Madison Square Garden, N. Y., 1910-1911. Sire of First Prize Champion Ckl., 1913. Grandsire of First Prize Champion Cockerel, 1914 at this same show.

Howland, 2; Besuden Bros., 3; J. H. Clark, 5.
Cockerels—W. F. Schultz, 1; L. W Winner, 2; Besuden Bros., 3; W. G. Marshall, 4; Dr. N. W. Sanborn, 5.
Pullets—Besuden Bros., 1-2; L. W. Winner, 3; W. G. Marshall, 4; W. F. Schultz, 5.
Pens—W. G. Marshall, 1; L. W. Winner, 2; Dr. N. W. Sanborn, 3; Stuart A. Howland, 4; Thomas A. Martin, Jr., 5.

PARTRIDGE WYANDOTTES.

Cocks—Charles H. Wood, 1-2-4; D. S. Strong, 3; Sheffield Farm, 5.
Hens—Paul W. Doll, 1; Charles H. Wood, 2; Sheffield Farms, 3-4-5.
Cockerels—Chas. H. Wood, 1-3-4; D. S. Strong, 2; Chas. W. Yellott, Jr., 5.
Pullets—Chas. H. Wood, 1-4-5; Chas. W. Yellott, Jr., 2; Minch Bros., 3.
Pens—Chas. H. Wood, 1-3; Sheffield Farms, 2-5; Barrows & Barrows, 4.

SILVER PENCILED WYANDOTTES.

Cocks—Horace Havemeyer, 1-2-4; Jas. Meuller, 3; Peter Houseman, 5.
Hens—Horace Havemeyer, 1-2-3-5; Jas. Meuller, 4.
Cockerels—Horace Havemeyer, 1-2-3-4; James Meuller, 5.
Pullets—Horace Havemeyer, 1-2-3; Jas. Meuller, 4; W. Ioor, 5.
Pens—Horace Havemeyer, 1-2.

COLUMBIAN WYANDOTTES.

Cocks—D. Lincoln Orr, 1; Harry B. Miller, 2; Harwood Farm, 3; J. H. Wendler, 4; A. C. Hawkins, 5.
Hens—J. H. Wendler, 1; D. Lincoln Orr, 2; Gilbert E. Nichols, 3; Dr. J. S. Rittenhouse, 4-5.
Cockerels—Harry B. Miller, 1; Frank Ostrander, 2; Horse Shoe Poultry Yards, 3; D. Lincoln Orr, 4; Gilbert E. Nichols, 5.
Pullets—Dr. J. S. Rittenhouse, 1-3; Ralph Woodward, 2; Harwood Farm, 4; Harry L. Freeman, 5.
Pens—Harwood Farm, 1; Gilbert E. Nichols, 2; J. H. Sincerbox, 3; D. Lincoln Orr, 4; J. H. Wendler, 5.

BARRED WYANDOTTES.

Cocks—Wilhelmina Poultry Farm, 1; Onlya Farm, 2-3.
Hens—Wilhelmina Poultry Farm, 1; Onlya Farm, 2-3.
Cockerels—Onlya Farm, 1-2-3; Wilhelmina Poultry Farm, 4.
Pullets—Wilhelmina Poultry Farm, 1; Onlya Farm, 2-3.
Pens—Wilhelmina Poultry Farm, 1; Onlya Farm, 2.

DOMINIQUES.

Cocks—F. S. Benson, 1.
Hens—F. S. Benson, 1-2.
Cockerels—W. J. Dalzell, 1-3-4; F. S. Benson, 2.
Pullets—W. J. Dalzell, 1; F. S. Benson, 2-3.
Pens—F. S. Benson, 1; Abel Weeks, 2.

S. C. RHODE ISLAND REDS.

Cocks—Lester Tompkins, 1-3-5; Shenley Heights Poultry Farm, 2; Maplecroft Farms, 4; Wyebrook Farm, 6.
Hens—F. L. Poultry Farm, 1; Joseph Russell, 2-5; Shenley Heights Poultry Farm, 3; Lester Tompkins, 4; Wm. Etzensperger, 6.
Cockerels—B. McL. Quackenbush, 1; Wm. Etzensperger, 2; Ernest Underhill, 3; United Breeders, 4; Shenley Heights Poultry Farm, 5; Lester Tompkins, 6.
Pullets—H. P. Deming, 1; Lester Tompkins, 2; Mirimichi Poultry Farm, 3; United Breeders, 4; Moses B. Griffing, 5.
Pens—Ira M. Crowther, 1; Wyebrook Farm, 2; Lester Tompkins, 3; United Breeders, 4-5; R. P. Deming, 6.

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Are Fashion's Proudest Birds



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

The record of my Barred Rocks at Madison Square Garden, 1913 and 1914—two years in succession—is the Capstone to their unexampled record for twenty-six years. For these achievements see opposite page and back cover page.

You are now thinking about eggs to produce the Silver Cup and Blue Ribbon winners for next season's shows

Think of the great satisfaction of winning prizes on birds you raise with your own hands—from the time the chick first sees daylight until the Blue Ribbon hangs on the coop in the show room. The delight of winning on a bird you owned all its lifetime cannot be described.

My Imperial "Ringlet" Eggs will prove a splendid investment

You may raise a single chick worth twenty times the cost of the eggs—a bird worth hundreds of dollars—hundreds of my customers have done this. Remember, the first prize cockerel or pullet at a great show always comes out of one egg.

The birds in my matings have wondrous beauty of even blue color and narrow, sharp, evenly divided "Ringlet" bars, outside and to the skin. They have fine heads, grand size, majestic shape, stylish carriage, good length bodies and backs of great breadth carried to low, well spread tails; besides they are the richest first prize New York winning blood in the world.

My matings are wonderful in their high quality and blood lines

Barred Rock breeders who visit my farm declare my matings are unequalled. I strongly urge all Barred Rock Fanciers to come and see these matings—they cannot be equalled in all America and I want you to see them—yon need this Imperial "Ringlet" blood and barring to win prizes.

My Eggs are the best that money can buy—They produce first prize birds

To produce the finest first prize show birds demands ths highest degree of expert knowledge—My birds are mated by my own hand.

Cockerel from "Ringlet" Eggs wins 6 first prizes

Mr. E. B. Thompson, Madoc, Ont., April 1, 1913
Dear Sir:—
Kindly quote prices on one setting of eggs from your best cockerel mating pen. Out of the last eggs I got from you I raised a male bird that won 6 first prizes last year. He has never been beaten.
Truly yours, A. H. Watson

I Will Help You to GREATER SUCCESS and LARGER PROFITS

Richly illustrated 70-page catalogue upon request.

EGGS from the finest Exhibition Matings in the World, $10.00 per setting; four settings $35.00; one hundred eggs $60.00.

E. B. Thompson

Lock Box 510, Amenia, N. Y.

R. C. RHODE ISLAND REDS.

Cocks—United Breeders, 1-5; Simmons & Crittenden, 2; A. M. Anderson, 3; Shenley Heights Poultry Farm, 4.
Hens—United Breeders, 1-2-5; Payne Bros., 3; Wright & McCormick, 4.
Cockerels—F. W. C. Almy, 1-4; Joseph Russell, 2; Harold Tompkins, 3; Louis Anderson, 5.
Pullets—United Breeders, 1; F. W. C. Almy, 2; Wilfred C. Mac Brair, 3; Simmons & Crittenden, 4; Dr. H. E. Chesebrough, 5.
Pens—Payne Bros., 1; Simmons & Crittenden, 2; Harold Tompkins, 3; United Breeders, 4; Wm. H. Hearsfield, 5.

BUCKEYES.

Cock—Elton C. Mahon, 1-2.
Hens—Elton C. Mahon, 1-2.
Pullets—Elton C. Mahon, 1-2-3.
Pens—Elton C. Mahon, 1.

LIGHT BRAHMAS.

Cocks—Minch Bros., 1-5; Riverdale Poultry Farm, 2; E. I. I. Collins, 3; Harvey C. Wood, 4.
Hens—Wm. T. House & Son, 1; Minch Bros., 2-4; Harvey C. Wood, 3; Spring Brook Farm, 5.
Cockerels—E. I. I. Collins, 1; Riverdale Poultry Farm, 2; Harvey C. Wood, 3; Anna Kahlen, 4; Wm. T. House & Son, 5.
Pullets—Wm. T. House & Son, 1; Minch Farm, 2; Riverdale Poultry Farm, 3; Harvey C. Wood, 4; S. S. Newton, 5.
Pens—Anna Kahlen, 2; Spring Brook Farm, 3; Daniel H. Seelback, 4.

DARK BRAHMAS.

Cocks—W. O. Minturn & Son, 1; Thomas L. Watt, 2; Clem Watson, 3.
Hens—Clem Watson, 1; W. O. Minturn & Son, 2; Thomas L. Watt, 3.
Cockerels—Clem Watson, 1; Dr. S. Lott, 2.
Pullets—Clem Watson, 1; Thomas L. Watt, 2; Dr. S. Lott, 3.
Pens—Richard Fry, 1.

BUFF COCHINS.

Cocks—C. W. Case, 1-2-3; Oakland Farm, 4; W. N. Watson, 5.
Hens—Geo. H. Proctor, 1; Oakland Farm, 2-3; C. W. Case, 4-5.
Cockerels—Oakland Farm, 1-2; Geo. H. Proctor, 3; C. W. Case, 4-5.
Pullets—Oakland Farm, 1-2-3; C. W. Case, 4; Geo. H. Proctor, 5.
Pens—C. W. Case, 1; Oakland Farms, 2.

PARTRIDGE COCHINS.

Cocks—Anna L. Burrall, 1-2-5; Minch Bros., 3; H. J. Fuller, 4.
Hens—Anna L. Burrall, 1-2-5; Minch Bros., 3-4.
Cockerels—Anna L. Burrall, 1-2-3-4.
Pullets—Anna L. Burrall, 1-2-3-4.
Pens—Anna L. Burrall, 1-2-3-4.

WHITE COCHINS.

Cocks—Chas. Thellrisson, 1.
Hens—Chas. Thellrisson, 1.
Cockerels—Chas. Thellrisson, 1.
Pullets—Chas. Thellrisson, 1.

BLACK COCHIN.

Hens—Thos. L. Watt, 1.

BLACK COCHINS.

Cocks—Snaith & Von Bergen, 1; A. J. Carson, 2; C. J. Roehlk, 3; Frank Harbaugh, 4-5.
Hens—Frank Harbaugh, 1-5; J. F. Robinson, 2; A. J. Carson, 3; R. W. Bishop, 4.
Cockerels—Frank Harbaugh, 1-2-5; Clarence H. Rowe, 3; Snaith & Von Bergen, 4.
Pullets—Frank Harbaugh, 1-3; Clarence H. Rowe, 2.
Pens—Frank Harbaugh, 1; Elm Poultry Yards, 2; H. E. Neise, Jr., 3.

WHITE LANGSHANS.

Cocks—Robincrest Farms, 2.
Hens—J. F. Robinson, 1; H. N. Bennett, 2; Robincrest Farm, 3.
Cockerels—Robincrest Farm, 1-2.
Pullets—Robincrest Farm, 2-3.
Pens—Elm Poultry Yards, 2.

S. C. WHITE LEGHORNS.

Cocks—D. W. Young, 1-2-5; Skylands Farm, 3-4.
Hens—Elm Poultry Yards, 1-5; D. W. Young, 2-3-4.
Cockerels—D. W. Young, 1-3-4-5; Skylands Farm, 2.
Pullets—Maryland Leghorn Farm, 1; Elm Poultry Yards, 2; E. E. Brubaker, 3; Skylands Farm, 4; D. W. Young, 5.
Pens—D. W. Young, 1; Skylands Farm, 2-5; Overlook Poultry Farm, 3; Monmouth Farms, 4.

S. C. BROWN LEGHORNS.

Cocks—Williams Bros. & Brace, 1-3; Rockfellow & Hubbard, 2-4; Frank Schellary, 5.
Hens—Rockfellow & Hubbard, 1-3; Harry W. Weeks, 2; Frank Schellang, 4-5.
Cockerels—Rockfellow & Hubbard, 1-2-3; Fred H. Cook, 4; Williams Bros. & Brace, 5.
Pullets—C. S. Cook, Jr., 1; Rockfellow & Hubbard, 2-4; Fred H. Cook, 3-5.
Pens—Rockfellow & Hubbard, 1-2; Frank Schellang, 3; C. L. Puder, 4.

S. C. BUFF LEGHORNS.

Cocks—L. E. Merihew, 1-4; Wm. H. Heil, 2; Royal Farms, 3; Thornycroft Buff Leghorn Farm, 5.
Hens—Wm. H. Heil, 1-2; L. E. Merihew, 3-4; Froh-Heim Poultry Yards, 5.
Cockerels—Chas. Blyth, 1; Olsen & Reimer, 2; L. E. Merihew, 3-5; Wm. H. Heil, 4.
Pullets—Wm. H. Heil, 1-3; Dunrobin Farm, 2; L. E. Merihew, 4; Froh-Heim Poultry Yards, 5.
Pens—Royal Farms, 1; Froh-Heim Poultry Yards, 2; Wm. F. Lindorff, 3; Lucknow Farms, 4; L. E. Merihew, 5.

S. C. BLACK LEGHORNS.

Cocks—Robincrest Farms, 1; Turtle Point Farms, 2-4-5; H. C. Myer, 3.
Hens—Robincrest Farms, 1-2; Adam F. Noll, 3; Turtle Point Farm, 4-5.
Cockerels—Turtle Point Farms, 1-3-4; Robincrest Farms, 2; Dr. Louis C. Hess, 5.
Pullets—Turtle Point Farms, 1-3; Robincrest Farms, 2; Adam F. Noll, 4.
Pens—Turtle Point Farms, 1; Mark E. Johnson, 2.

S. C. SILVER LEGHORNS.

Cocks—Ralph L. Wilcox, 1; A. F. Spangler, 2.
Hens—A. F. Spangler, 1.
Cockerels—A. F. Spangler, 1; Clem Watson, 2-3.
Pullets—Mrs. W. P. Masten, 1; Turtle Point Farms, 2; A. F. Spangler, 3.

CAMPINES — Silver and Golden

Winners at Madison Square Garden, New York, Etc.

One of the popular lines with size, shape and vigor and best practical qualities.

STOCK FOR SALE **EGGS FOR HATCHING**

Write us your wants, and let us fully inform you of our line. Circular free.

The Martling Hennery -:- Ridgefield, New Jersey



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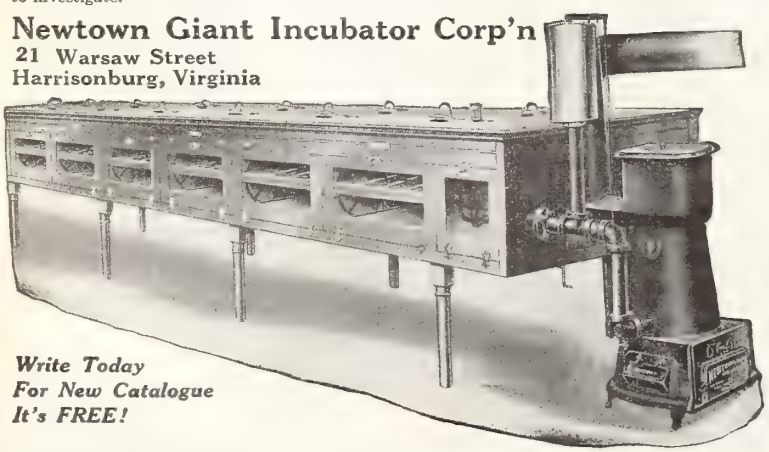
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Cockerels—Turtle Point Farms, 1-3; William H. Young, 2-5; Mrs. W. L. Haynes, 4.
Pullets—Wm. H. Young, 1; Turtle Point Farms, 2-3; Mrs. W. L. Haynes, 4.
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Cockerels—E. D. Bird, 1-3-5; Thos. H. King, 2-4.
Pullets—Thos. H. King, 1; E. D. Bird, 2-3.
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Cocks—H. Cecil Sheppard, 1-2-3; J. O. Somers, 4.
Hens—H. Cecil Sheppard, 1-2-3-5; J. O. Somers, 4.
Cockerels—H. Cecil Sheppard, 1-2-3-5; J. O. Somers, 4.
Pullets—H. Cecil Sheppard, 1-3; Mrs. A. Guetter, 2; J. O. Somers, 4; Blythewood Poultry Yards, 5.
Pens—H. Cecil Sheppard, 1-3; J. O. Somers, 2.

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Hens—Watson Westfall, 1-2-3; J. S. Cope, 4-5.
Cockerels—Watson Westfall, 1; A. C. Major, 2; J. S. Cope, 3-5; Miss Alice Hales, 4.
Pullets—A. C. Major, 1; Watson Westfall, 2-3; J. S. Cope, 4-5.
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Cockerels—Clem Watson, 1-3-4; Carver's Red Farm, 2-5.
Pullets—E. K. Conrad, 1-3; Clem Watson, 2-4; Carver's Red Farm, 5.
Pens—Clem Watson, 1; Carver's Red Farm, 2.

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Cocks—Joe-Pye Orpington Farm, 1-4; Maurice F. Delano, 2-3; Hugh A. Rose, 5.
Hens—Henrietta E. Hooker, 1-2; Hugh A. Rose, 3; Lucknow Farm, 4; Sunswick Poultry Farm, 5.
Cockerels—Hugh A. Rose, 1-5; Maurice F. Delano, 2-3; Joe-Pye Orpington Farm, 4.
Pullets—Hugh A. Rose, 1-4; C. E. Bessom, 2; Henrietta E. Hooker, 3; Maurice F. Delano, 5.
Pens—Hugh A. Rose, 1; Henrietta E Hooker, 2; Maurice F. Delano, 3-5; Joe-Pye Orpington Farms, 4.

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Cocks—Foxhurst Farm, 1-2-4; Black Beauty Orpington Yards, 3; Hugh A. Rose, 5.
Hens—Foxhurst Farm, 1-2-3; Mathews & Armstrong, 4; Herman Abbensett, 5.
Cockerels—Foxhurst Farm, 1-3-4-5; Hugh A. Rose, 2.
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Cockerels—Aldrich Poultry Farm, 1-2-3; Maurice Delano, 5.
Pullets—Maurice F. Delano, 1-3-4; Aldrich Poultry Farm, 2; W. H. Widdowfield, 5.
Pens—Aldrich Poultry Farm, 1; Wm. Moore, 2; Dr. Frank Dorian, 3; Russell Marston, 4; Dunrobin Farm, 5.

R. C. BUFF ORPINGTONS.

Hens—Dr. T. H. Smith, 1; B. C. Roecker, 2.
Cockerels—B. C. Roecker, 1-2; Dr. T. H. Smith, 3.
Pullets—B. C. Roecker, 1; Dr. T. H. Smith, 2.

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Cocks—H. C. Faulkner, 1-2; Koeber's Orpington Farm, 3.
Cockerels—Alfricha Meadows, 1-4; H. C. Faulkner, 2-3.
Pullets—H. C. Faulkner, 1.
Pens—H. C. Faulkner, 1.

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Cocks—Sycamore Springs Poultry Farm, 1; Lawrence Jackson, 2-3; Mrs. W. C. Davis, 4.
Hens—Charles Thellrisson, 1; Lawrence Jackson, 2; Sycamore Springs Poultry Farm, 3; Fred Yabs, 4; Mrs. W. C. Davis, 5.
Cockerels—Charles Thellrisson, 1; Sycamore Springs Poultry Farm, 2.
Pullets—Lawrence Jackson, 1; Sycamore Springs Poultry Farm, 2.
Pens—Lawrence Jackson, 1.

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Cockerels—Capt. Max de Bathe, 1-3; Haldie Nicholson, 2; E. R. Collins & Son, 4; Wm. H. Cook, Ltd., 5.
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Pens—Garvey McKee, 1; Haldie Nicholson, 2-3; Capt. Max de Bathe, 4; W. H. Depper, 5.

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Hens—Hugh A. Rose, 1; Frank L. Anderson, 2; Wm. H. Cyphers, 3; Mortimer L. Schiff, 4; J. C. Coffin & Co., 5.
Cockerels—Mortimer L. Schiff, 1; Hugh A. Rose, 2.
Pullets—Frank L. Anderson, 1; J. C. Coffin & Co., 2; Hugh A. Rose, 3; Mortimer L. Schiff, 4.
Pens—Mortimer L. Schiff, 1.

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Hens—Hugh A. Rose, 1.

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Hens—Mme. Venona Jarbeau, 1.
Cockerels—Mme. Venona Jarbeau, 1; H. E. McLaughlin, 2.
Pullets—Mme. Venona Jarbeau, 1-2; H. E. McLaughlin, 3.

NON-BEARDED SILVER POLISH.

Cockerels—H. E. McLaughlin, 1.
Pullets—H. E. McLaughlin, 1.

NON-BEARDED WHITE POLISH.

Cocks—Hugh A. Rose, 1.
Hens—Hugh A. Rose, 1.

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Hens—Llaugotlen Farm, 1.
Cockerels—Llaugotlen Farm, 1.
Pullets—Llaugotlen Farm, 1.
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Pullets—Charles C. Grau, 1; Herbert Drucklied, 2; John D. Sohnker, 3.
Pens—John D. Sohnker, 1.

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Pullets—Clem Watson, 1-2.

SILVER PENCILED HAMBURGS.

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Hens—W. F. Bast, 1; Llangollen Farm, 2-3; Lewis A. Schryver, 4-5.
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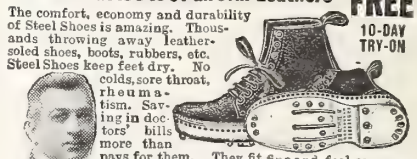
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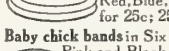


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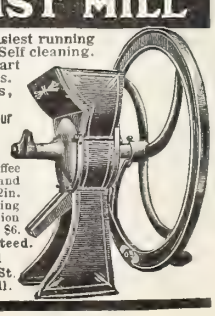
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Pullets—M. R. Jacobus, 1-5; Capt. Max de Bathe, 2; E. F. Dean, 3; Manhattan Farms, 4.
Pens—M. R. Jacobus, 1; E. F. Dean, 2; Manhattan Farms, 3; Capt. Max de Bathe, 4; Schenley Heights Poultry Farm, 5.

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Cocks—Manhattan Farms, 1-5; E. F. Dean, 2; M. R. Jacobus, 3; Schenley Heights Poultry Farm, 4.
Hens—E. F. Dean, 1; M. R. Jacobus, 2-5; Manhattan Farms, 3-4.
Cockerels—E. F. Dean, 1-2; Manhattan Farms, 3-5; M. R. Jacobus, 4.
Pullets—M. R. Jacobus, 1; E. F. Dean, 2; Manhattan Farms, 3-4-5.
Pens—E. F. Dean, 1; Manhattan Farms, 2; M. R. Jacobus, 3.

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Cocks—Charles Thellrisson, 1; Hugh A. Rose, 2; D. Lincoln Orr, 3; Robert More, 4.
Hens—Charles Thellrisson, 1; Robert More, 2; Hugh A. Rose, 3.
Cockerels—Charles Thellrisson, 1; Hugh A. Rose, 2; Robert More, 3; D. Lincoln Orr, 4.
Pullets—Charles Thellrisson, 1; Robert More, 2; Hugh A. Rose, 3; D. Lincoln Orr, 4.
Pens—Hugh A. Rose, 1; D. Lincoln Orr, 2; Robert More, 3.

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SICILIAN BUTTERCUPS.

Cocks—W. Oney, 1; Feronia Way Poultry Yards, 2.
Hens—Feronia Way Poultry Yards, 1.
Cockerels—W. Oney, 1; W. D. Kearfott, 2-3; Feronia Way Poultry Yards, 4.
Pullets—W. D. Kearfott, 1-2; Feronia Way Poultry Yards, 3.
Pens—Mrs. H. J. Carr, 1.

DARK CORNISH.

Cocks—Dr. W. A. Low, 1; John W. Ward, Jr., 2; Clem Watson, 3; H. H. McCormick, 4.
Hens—H. H. McCormick, 1; John W. Ward, Jr., 2-3-4; Clem Watson, 5.
Cockerels—John W. Ward, Jr., 1-4; Dartmoor Yards, 2; M. B. Closby, 3; H. H. McCormick, 5.
Pullets—John W. Ward, Jr., 1-4; Dartmoor Yards, 2; Dr. W. A. Low, 3; H. H. McCormick, 5.
Pens—John W. Ward, Jr., 1-2; Clem Watson, 3.

WHITE CORNISH.

Cocks—Jacob Eberly, 1-4; Clem Watson, 2; Daniel Weyant, 3.
Hens—Clem Watson, 1; Ridgeleigh Poultry Farm, 2.
Cockerels—Ridgeleigh Poultry Farm, 1; Clem Watson, 2.
Pullets—Ridgeleigh Poultry Farm, 1; Clem Watson, 2.
Pens—B. H. Van Anken, 1.

BLACK SUMATRAS.

Cocks—J. H. Clark, 1.
Cockerels—J. H. Clark, 1.
Pullets—J. H. Clark, 1.
Pens—C. W. Hoitt, 1.

BLACK BREASTED RED EXHIBITION GAME.

Cocks—James Adamson, 1; Brooks & Hoffman, 2.
Hens—Miss E. Hybon, 1-4; James Adamson, 2; Brooks & Hoffman, 3.
Cockerels—James Adamson, 1.
Pullets—James Adamson, 1.

GOLDEN DUCK WING EXHIBITION GAME.

Cocks—Michael Welsh, 1.
Hens—Michael Welsh, 1-2.

SILVER DUCK WING EXHIBITION GAME.

Hens—Brooks & Hoffman, 1.

RED PYLE EXHIBITION GAME.

Cocks—Miss E. Hydon, 1.

DARK AND RED BROWN PIT GAME.

Cocks—R. S. Marsden, 1; Richard Markle, 2; Robert D. Hartshorne, 3-4; P. H. B. Frelinghuysen, 5.
Hens—R. S. Marsden, 1; P. H. B. Frelinghuysen, 2; Clarence Sackett, 3-5; Ralph C. Greene, 4.
Cockerels—P. H. B. Frelinghuysen, 1-2; Ralph C. Greene, 3.
Pullets—F. H. B. Frelinghuysen, 1; Ralph C. Greene, 2.
Pens—Richard Markle, 1.

RED PIT GAME.

Cocks—Ralph C. Greene, 1.
Cockerels—Ralph C. Greene, 1.
Pullets—Ralph C. Greene, 1.

BLACK AND BRASS BACK PIT GAME.

Cocks—Clarence Sackett, 1-2.
Hens—R. S. Marsden, 1; Clarence Sackett, 2-3.

GREY AND DUCK WING PIT GAME.

Cocks—Ralph C. Greene, 1.

BLUE AND BLUE RED PIT GAME.

Cocks—Ralph C. Greene, 1.
Hens—Ralph C. Greene, 1.
Cockerels—Ralph C. Greene, 1.
Pullets—Ralph C. Greene, 1.

PYLE AND WHITE PIT GAME.

Cocks—R. S. Marsden, 1; Ralph C. Greene, 2.

HENNIE PIT GAME.

Cocks—R. S. Marsden, 1.
Cockerels—R. S. Marsden, 1.

A. O. V. PIT GAME.

Cocks—Ralph C. Greene, 1-2.
Hens—Ralph C. Greene, 1.
Cockerels—Ralph C. Greene, 1.
Pullets—Ralph C. Greene, 1; Robert D. Hartshorne, 2.
Pens—Ralph C. Greene, 1.

A. O. V. POULTRY.

Cocks—F. D. Baerman, 1-2; Sippel & Wilson, 3; Dr. F. Seward, Jr., 4; Lloyd M. Hallenbeck, 5.
Hens—F. S. Baerman, 1-2-3-4; Dr. F. W. Seward, Jr., 5.
Cockerels—F. D. Baerman, 1-2-3-5; Lloyd M. Hallenbeck, 4.
Pullets—F. D. Baerman, 1-2-4-5; Lloyd M. Hallenbeck, 3.
Pens—F. D. Baerman, 1-2; Lynnewood

BERRIES AND SMALL FRUITS The proven productive varieties of berries, grapes, etc., are listed in my **1914 Catalog.** Contains finest small fruits, vegetable roots, fruit trees and decorative stock. Tells all about my unique **Money-Saving Sales Plan.** It is free. Write today
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Get today our new Sales Plan

MUNTZ'S WHITE LEGHORNS Great Win at Chicago Coliseum Show, 1913
2nd cockerel, 2nd cock, 5th hen and 4th pullet. Only exhibitor winning in every class entered.
Special sale of stock now on. Satisfaction guaranteed and prices right.
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S. C. WHITE ORPINGTONS
We won at Chicago, 1913, on three entries, 2nd hen, 5th cock. Eggs for hatching. Cockerels for sale. Baby Chicks.
H. J. Bennett
Mrs. H. J. Bennett
HEART'S DESIRE FARM Connersville, Ind.

E. C. Hilborn's Columbian Wyandottes
Won at Philadelphia, Pa., December 1913
3rd Cock, 2nd and 5th Cockerel, 3rd, 4th and 5th Pullet.
Eggs for Hatching from my Finest Matings, $4 per 15.
ELMER C. HILBORN, R. D. No. 1, ROYERSFORD, PENNSYLVANIA

ELOSSER BLACK LANGSHANS
WIN AT THE NATIONAL CAPITOL SHOW
Held at Washington, D. C., December, 1913: Cock, 1-2; Hens, 1-2; Cockerels, 1-2; Pullets, 1-2; Pen, 1, and all Specials. My line for size, shape and color are unapproached and have been winners for years.
STOCK FOR SALE. EGGS FOR HATCHING FROM CHOICEST MATINGS.
Write me your wants. Pleased to know you.
PORTER ELOSSER -:- CUMBERLAND, MARYLAND

Evergold Buff Wyandottes
Win Best Display
at Each of the Three Best Shows of 1913
At Cleveland, Ohio—The Ohio State Championship. This is the second time Evergolds have won this prize.
At Rochester, N. Y.—The National Meet of the American Buff Wyandotte Club, Evergolds win the World's Championship Cup for Best Display. This is the best prize that can be won by Buff Wyandottes. Evergolds have won this prize twice, also.
At Madison Square Garden, N. Y. City—Evergolds win Best Display in the best class shown at the Garden for years.
The above grand winnings together with our 1912 record of 35 Blue Ribbons at eight of the best shows gives Evergolds the **lead over all.** Circular free.
Choice Males and Hatching Eggs for sale. Our elegant new catalog giving our methods of breeding and feeding Buff Dottes, 20c.
W. G. MARSHALL, Owner.
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GERALD WILLIAMS, Mgr. Poultry Dept.

Farm, 3; Novova Farm, 4; Albert Fletcher, Jr., 5.

BLACK BREASTED RED GAME BANTAMS.

Cocks—J. K. & H. L. Brokaw, 1; J. W. Harvey, 2; Mohawk Bantam Yards, 3-5; Allen W. Harrington, Jr., 4.

Hens—J. K. & H. L. Brokaw, 1; John L. Smith, 2; Isaac Keator, 3; Mohawk Bantam Yards, 4; Havemeyer Bros., 5.

Cockerels—Mohawk Bantam Yards, 1; J. K. & H. L. Brokaw, 2-3; Isaac Keator, 4; Clarence Sackett, 5.

Pullets—J. K. & H. L. Brokaw, 1-4; Isaac Keator, 2; Geo. L. Mahr, 3; Mohawk Bantam Yards, 5.

Pens—Miss A. P. Watt, 1-2.

R. C. WHITE BANTAMS.

Cocks—Hugh A. Rose, 1.

Hens—Hugh A. Rose, 1; Lewis W. Johnson, 2-4; C. M. Diffenderffer, 3.

Cockerels—C. M. Diffenderffer, 1; Lewis W. Johnson, 2.

Pullets—C. M. Diffenderffer, 1; Lewis W. Johnson, 2-3; Hugh A. Rose, 4.

R. C. BLACK BANTAMS.

Cocks—Hugh A. Rose, 1; G. B. Tilley, 2-3-5; Wm. J. Peck, 4.

Hens—G. B. Tilley, 1-2-3; Wm. J. Peck, 4; J. M. Sessions, 5.

Cockerels—C. M. Diffenderffer, 1; J. M. Sessions, 2; G. B. Tilley, 3-4; Hugh A. Rose, 5.

Pullets—G. B. Tilley, 1-4; C. M. Diffenderffer, 2; J. M. Sessions, 3; M. B. Closby, 5.

Pens—Walter Roesler, 1.

LIGHT BRAHMA BANTAMS.

Cocks—J. Hart Welch, 1-2; Hardwood Farms, 3; Hugh A. Rose, 4; Robincrest Farm, 5.

Hens—J. Hart Welch, 1-2; Hugh A. Rose, 3; Thomas L. Watt, 4; C. M. Diffenderffer, 5.

Cockerels—Harwood Farms, 1; C. M. Diffenderffer, 2; Otto Sanger, 3; Wm. F. Reardon, 4; Hart Welch, 5.

Pullets—C. M. Diffenderffer, 1; J. Hart Welch, 2; Hugh A. Rose, 3; Otto Sanger, 4; Wm. F. Reardon, 5.

DARK BRAHMA BANTAMS.

Cocks—Hugh A. Rose, 1; Thomas L. Watt, 2.

Hens—Hugh A. Rose, 1; Thomas L. Watt, 2.

Cockerels—Hugh A. Rose, 1.

Pullets—Hugh A. Rose, 1; Clem Watson, 2-4; Thomas L. Watt, 3.

BUFF COCHIN BANTAMS.

Cocks—John L. Smith, 1; E. R. Collins & Son, 2; Hugh A. Rose, 3; B. O. Schilling, 4; J. M. Sessions, 5.

Hens—B. O. Schilling, 1-3; E. R. Collins & Son, 2; J. M. Sessions, 4; John L. Smith, 5.

Cockerels—E. R. Collins & Son, 1; B. O. Schilling, 2-4; J. B. Lightfoot, Jr., 3; Wm. R. Kirkendall, 5.

Pullets—B. O. Schilling, 1-2; Harry B. Hayes, 3; J. B. Lightfoot, Jr., 4; John L. Smith, 5.

Pens—B. O. Schilling, 1; J. B. Lightfoot, Jr., 2; Germantown Bantam Yards, 3.

PARTRIDGE COCHIN BANTAMS.

Cocks—J. M. Sessions, 1; C. M. Diffenderffer, 2; Mohawk Bantam Yards, 3.

Hens—C. M. Diffenderffer, 1; Thomas L. Watt, 2-3-4; J. M. Sessions, 5.

Cockerels—W. J. Greenman, 1; C. M. Diffenderffer, 2; J. M. Sessions, 3; Mohawk Bantam Yards, 4; Hugh A. Rose, 5.

Pullets—C. M. Diffenderffer, 1; J. M. Sessions, 2; Hugh A. Rose, 3; Robincrest Farm, 4; W. J. Greenman, 5.

Pens—Thomas L. Watt, 1.

WHITE COCHIN BANTAMS.

Cocks—Edwin G. Reynolds, 1-5; C. M. Diffenderffer, 2; J. M. Sessions, 3-4.

Hens—Edwin G. Reynolds, 1-2-4; C. M. Diffenderffer, 3; Mohawk Bantam Yards, 5.

Cockerels—Edwin G. Reynolds, 1; J. M. Sessions, 2; C. M. Diffenderffer, 3; Hugh A. Rose, 4; B. O. Schilling, 5.

Pullets—B. O. Schilling, 1; C. M. Diffenderffer, 2; Hugh A. Rose, 3; J. M. Sessions, 4.

Pens—Edwin G. Reynolds, 1.

BLACK COCHIN BANTAMS.

Cocks—J. A. Northey, 1; C. M. Diffenderffer, 2; Arthur J. Josenhaus, 3; Joel H. Moyer, 4; John L. Smith, 5.

Hens—J. M. Sessions, 1-2; Joel H. Moyer, 3; J. A. Northey, 4; C. M. Diffenderffer, 5.

Cockerels—Arthur J. Josenhaus, 1; Joel H. Moyer, 2; J. M. Sessions, 3.

WHITE ORPINGTONS

Eggs — $3 per 13. (Six Pens)

MY BIRDS are LARGE and VIGOROUS. See my winnings at the great Chicago Poultry Show and Blue Island and Washington Heights the last three years. **JOHN F. X. HENNESSEY, 9100 Hamilton Ave., Chicago, Illinois.**

ANCONAS

Crede's Superior S. C. Anconas, winners at Illinois State Fair, 1913, and the Great Coliseum Show, Chicago, 1913; also First, Fourth and Fifth Cockerels and First Pen, Elgin, 1914; 2,000 birds in show. Cockerels, day-old chicks and eggs in season for sale.

WM. CREDE — 670 Slade Ave. — ELGIN, ILLINOIS

Single Comb Rhode Island Reds

By Traveling Shoe Salesman, after 5 years' careful reading and experimenting with chickens. To start with, we procured the finest prize winners possible and have always enjoyed the highest standard in color, shape and size, but to get a large flock of hens that would all lay eggs up to a perfect specific gravity and hatch a perfect, strong and healthy chick was no small matter. This has finally been accomplished, and it gives me pleasure to offer for sale this season the finest eggs for hatching possible for skill to produce. Price per setting, 15 eggs, $2.50; price per hundred quoted on application; 25 fine young Cockerels, $3.00 to $5.00 each.

H. G. DIX - - - - - - - SEVILLE, OHIO

Barred Plymouth Rocks

RINGLET STRAIN

1st Cockerel, Shape and Color Specials, Champion

Springfield State Show, 1914

Very narrow barring, with even color, is what won. We bred the sires and dams for several generations back that produced this grand bird; this means that our line is rich in the blood of this Champion and will produce results for you. One full brother to the Champion for $25; a few more pen brothers, $8 to $15.

Fred P. Erdman - Highland Poultry Farm - Normal, Ill.

Grand Display Champions

Madison Square Garden, Dec., 1913. 1-3 Pens; 1-2-4 Cocks; 2 Hen; 1-3-4 Cockerels; 1-4-5 Pullets.

Boston, Mass., January, 1913. 1 Pen; 1-2 Cocks; 1-3 Hens; 1-2 Cockerels; 2-3 Pullets.

WOODCREST STRAIN

Partridge Wyandottes

Have won every male first prize for two successive seasons under six of the best known judges in the world. Think this over and tell me—do you want the blood thus proven supreme in breeding birds and eggs for hatching?

CHAS. H. WOOD, Mutual Building, Worcester, Mass.



Second Cock, First Cockerel and First Pen Cockerel Madison Square Garden, 1913

Barker's Langshans

WINNERS At the Greatest WESTERN SHOW At the Greatest EASTERN SHOW

This year, at Chicago Coliseum, WON ALL FIRST PRIZES, three Seconds and three Thirds.

Last year, at Madison Square Garden, New York, WON THREE FIRST PRIZES and two Seconds.

No Langshan Record Has Ever Been Made That Will Compare With This!

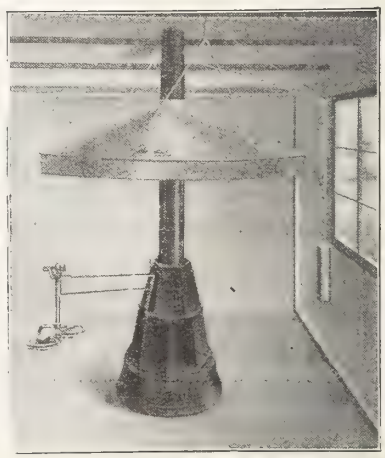
I still have a few Cockerels for sale. Satisfaction guaranteed, always,

EGGS From the Finest Matings in the World, $10.00 PER SETTING.

New mating list and new catalog free.

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Ideal Coal Stove Brooder



Send For Our Free Booklet

Describing the Ideal Coal Stove Brooder. Price $17, with Automatic Regulator $22.

Save money in raising chicks.

The Ideal Coal Stove Brooder heats poultry houses and broods large flocks, gives 97 per cent efficiency, in some cases as high as 99 per cent; no other system can equal these results. Coal burning and self regulating. Economical, safe and far superior to oil burners. No coal gas, no fumes. Small and large farms are using the Ideal with success. Investigate at once by sending for booklet—"The Merits, Economy and Effectiveness of the One Best Brooder."

The fire pot of the Ideal is the largest; will contain more coal and distribute more heat than any other make of Brooder.

LIBERTY STOVE CO.,

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Pullets—Arthur J. Josenhaus, 1; Joel H. Moyer, 2; J. M. Sessions, 3; Thomas L. Watt, 4-5.
Pens—Thomas L. Watt, 1; Germantown Bantam Yards, 2.

BLACK-TAILED JAPANESE BANTAMS.

Cocks—G. D. Tilley, 1-4; Wm. F. Albers, 2; Hugh A. Rose, 3; Dunton Poultry Yards, 5.
Hens—Wm. F. Albers, 1-2; G. D. Tilley, 3-4; Dunton Poultry Yards, 5.
Cockerels—Hugh A. Rose, 1; G. D. Tilley, 2-3.
Pullets—E. D. Tilley, 1-3; Germantown Bantam Yards, 2; Hugh A. Rose, 4.

BRONZE TURKEYS.

Cocks—Bird Bros., 1-2-4; Harvey L. Fike, 3; Springbrook Farm, 5.
Hens—Bird Bros., 1-3-5; Springbrook Farm, 2; Harvey L. Fike, 4.
Cockerels—Bird Bros., 1-2-3-4-5.
Pullets—Bird Bros., 1-2-3-5; Harvey L. Fike, 4.

WHITE HOLLAND TURKEYS.

Cocks—W. H. Burnett, 1-2.
Hens—John H. Stickles, 1; W. H. Burnett, 2-3.
Cockerels—John H. Stickles, 1; W. H. Burnett, 2-3.
Pullets—W. H. Burnett, 1-2.

BOURBON RED TURKEYS.

Cocks—Charles W. Jones, 1.
Hens—Charles W. Jones, 1.

PEKIN DUCKS.

Old Drake—Fernbrook Farm, 1; Ridgeleigh Poultry Farm, 2.
Young Drake—Fernbrook Farm, 1-2-3; C. H. Beebe, 4; Paul G. Springer, 5.
Old Duck—Fernbrook Farm, 1; Ridgeleigh Poultry Farm, 2.
Young Duck—Paul G. Springer, 1; Fernbrook Farm, 2-3-4.
Pens—Fernbrook Farm, 1.

AYLESBURY DUCKS.

Old Drake—Edwin H. Morris, 1.
Young Drake—Edwin H. Morris, 1.
Old Duck—Edwin H. Morris, 1.
Young Duck—Edwin H. Morris, 1.

ROUEN DUCKS.

Old Drake—Louis B. Schram, 1-5; Lucknow Farm, 2; Edwin H. Morris, 3; J. H. Clark, 4.
Young Drake—Louis B. Schram, 1-3-4-5; Lucknow Farms, 2.
Old Duck—Louis B. Schram, 1-2-3-4.
Young Duck—Louis B. Schram, 1-2-3-4.
Pens—Louis B. Schram, 1-2-3.

CAYUGA DUCKS.

Old Drake—E. F. Tiffany, 1.
Old Duck—E. F. Tiffany, 1.

COLORED MUSCOVEY DUCKS.

Old Drake—Robincrest Farm, 1; Vincent Butler, 2.

WHITE MUSCOVEY DUCKS.

Old Drake—Robincrest Farm, 1.

BLUE SWEDISH DUCKS.

Old Drake—Edwin H. Morris, 3.
Old Duck—Edwin H. Morris, 1.

CRESTED WHITE DUCKS.

Old Drake—Edwin H. Morris, 1.

EAST INDIAN DUCKS.

Old Drake—Edwin H. Morris, 1.
Old Duck—Edwin H. Morris, 1.

INDIAN RUNNER DUCKS.

Old Drake—Gaebel Bros., 1; Sinclair Smith, 2; Royal Farms, 3; Woodbrook Poultry Farm, 4-5.
Young Drake—Sinclair Smith, 1-5; Royal Farms, 2; Woodbrook Poultry Farm, 3; Caw-Law Poultry Farm, 4.
Old Duck—Woodbrook Poultry Farm, 1; Royal Farms, 2; Sinclair Smith, 3-4.
Young Duck—Woodbrook Poultry Farm, 1-2; P. Albert Ackerman, 3; Caw-Law Poultry Farm, 4; Sinclair Smith, 5.
Pens—Sinclair Smith, 1-2.

PENCILED INDIAN RUNNER DUCKS.

Old Drake—Charles Frazer, 1; A. Crockford, 2.
Young Drake—J. Donald, 1; Charles Frazer, 2.
Old Duck—Charles Frazer, 1.
Young Duck—J. Donald, 1-3; Charles Frazer, 2.
Pens—C. S. Valentine, 1.

WHITE INDIAN RUNNER DUCKS.

Old Drake—Chiles & Co., 1; A. Crockford, 2; H. Gillickson, 3; Miss C. I. Crane, 4; Gasbel Bros., 5.
Young Drake—Chiles & Co., 1; A. Crockford, 2-4; Miss C. I. Crane, 3; J. P. Harper, 5.
Old Duck—Wm. E. Peerce, 1-2.
Young Duck—A. Crockford, 1; Miss C. I. Crane, 2; Wm. E. Peerce, 3; Chiles & Co., 4; C. S. Valentine, 5.
Pens—C. S. Valentine, 1; Wm. E. Peerce, 2.

BUFF ORPINGTONS.

Old Drake—Dunrobin Farm, 1; Wildbrook Farm, 2.
Young Drake—Edwin H. Morris, 1; Wildbrook Farm, 2; Dunrobin Farm, 3.
Old Duck—Dunrobin Farm, 1; Wildbrook Farm, 2.
Young Duck—Dunrobin Farm, 1; Wildbrook Farm, 2; Edwin H. Morris, 3.

WHITE CHINESE GEESE.

Old Gander—Dunrobin Farm, 1; Mrs. W. P. Masten, 2.
Young Gander—Andrew Bray, 1; Dunrobin Farm, 2.
Old Goose—Mrs. W. P. Masten, 1; Dunrobin Farm, 2.
Young Goose—Andrew Bray, 1-3; Dunrobin Farm, 2.

EMBDEN GEESE.

Old Gander—John H. Stickles, 1; Sara A. Little, 2-3; Spring Brook Farm, 4; Somerset Farm, 5.
Young Gander—John H. Stickles, 1-3; Somerset Farm, 2.
Old Goose—Sara A. Little, 1-2; Spring Brook Farm, 3; Somerset Farm, 4.
Young Goose—Somerset Farm, 1.

TOULOUSE GEESE.

Old Gander—Maryland Water Fowl Farm, 1; W. A. J. Kuney, 2-3-5; E. F. Tiffany, 4.
Young Gander—Spring Brook Farm, 1-2; W. A. J. Kuney, 3-4; Louis B. Schram, 5.
Old Goose—W. A. J. Kuney, 1-2-3; Spring Brook Farm, 4.
Young Goose—W. A. J. Kuney, 1-2; Spring Brook Farm, 3; Louis B. Schram, 4-5.

WHITE ORPINGTONS

If you could see the 7 grand pens I have mated for the Egg trade, you would say they certainly have the quality, and will surely produce themselves. Each pen headed by a winner. 300 ribbons, cups, A. P. A. medals, etc., have been won by my Whites. Illustrated mating list explains fully; let me send you one.

F. S. Bullington Box A Richmond, Virginia
Secy.-Treas. American White Orpington Club

LUCIA STRAIN S. C. WHITE LEGHORNS

Winners at Buffalo's Great Show, November, 1913. Bred in line for superior quality and admired by all who have seen them. My Third Cockerel at Buffalo, although immature, was the sensation of the class. Judges Cleveland and Schwab pronounced him worthy competitor for any show.
Stock for Sale—Eggs for hatching from choicest matings. Write me your wants please.

ALBERT WALDRON -:- TITUSVILLE, PA.



Andrews' White Wyandottes

Win at Boston, First Pen Six times in past 7 years.

1st Cockerel 1910, 1911, 1912
2nd Cockerel 1910, 1911, 1912, 1913

Booking orders now for Eggs. Eggs for hatching from best pens ever bred and will produce winners for you. Choice breeding cockerels for sale at low prices. Send for mating list and book order now.

J. W. Andrews, Box A, Dighton, Mass.

The 3 GREAT EGG MAKERS THAT PAY FOR THEMSELVES IN A YEAR.

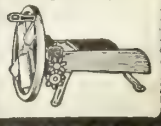
CROWN BONE CUTTER $6.50 Has hardened steel knives. Price, like picture, $8.50; for bolting to table, $6.50. For larger sizes see our Book



Unless fed plenty of FRESHLY CUT GREEN BONE, with the meat and grissle still sticking to the bones as you get them sweet from the butcher, and CUT CLOVER, hens can't lay as many eggs as they should. The bone must be freshly cut or it's tainted, and spoils the eggs, and often poisons hens. Clover must be cut into short lengths, or most of it is wasted, and what is eaten is fibry and often clogs the crop. If you don't give hens lots of ground SHELL and GRIT they can't digest properly nor get out of food what they must have to make eggs.

Don't depend on buying cut bone because you can't get it fresh, and dry bone and meat scrap are poor substitutes. The only satisfactory and profitable way is to own these three splendid machines. They 're not expensive, are easy running, not complicated, and built to last a life-time.

GEM CLOVER CUTTER $9 Cuts green or dry clover even and easy. Screw feed & adjustable cutter bar. Blades always square to bar. Price, like picture $9; high legs, $10.



WILSON BROS. BONE CUTTERS, CLOVER CUTTERS & GRINDING MILLS

GRINDING MILL $5 Best hand mill for grinding easily, quickly, Dry Bones, Shells, Grit, Charcoal, Corn, Wheat, etc. Price with Stand, $7; like picture $5. Larger sizes, hand and power.



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DON'T KEEP HENS UNLESS YOU CAN OWN THESE MACHINES

They won't pay you well enough for eggs or table. Keep a record of results and you 'll soon prove that these machines will pay for themselves in a year.

Handled by nearly all dealers and hardware stores, or shipped direct. Write for our prices on all sizes — hand and power.

Do your neighbor's cutting and make money. We also make the CORNING FEED MIXER, the best mash and grain mixer in the World. Every Wilson machine is absolutely guaranteed. Write to-day for FREE BOOK & Price List.

WILSON BROS. DEPT. F 25 EASTON, PA.

Pacific Coast Department

Conducted by H. H. Collier, Tacoma, Washington.

THE twentieth annual show of the Tacoma Poultry Association is a matter of history, but it will go down as one of the best ever attempted in the Northwest. By actual count there were two thousand and fifteen entries, one hundred and sixty-two exhibitors. The largest class of the show was White Wyandottes, with 174 fowls. White Leghorns was a warm class, with 139; Barred Rocks, 145; Buff Rocks, 74, and Anconas, with 122 entered. James A. Tucker, of Concord, Mich., placed the awards and he gave the best of satisfaction.

President Fred A. Johnson, of the Tacoma Poultry Association is the man we picture this month. We thought it a good idea to go from coast judges to breeders for a while and fixed on Fred Johnson for the simple reason that he has won more premiums in poultry shows than any man on the Pacific coast. Fred joined the Tacoma Poultry Association at its second annual show, and since that time he has been an active member in every sense of the word. For years Fred has shown more fowls than any other exhibitor, and he has filled nearly every office in the association from president to a member of the executive committee. In fact, I can not remember the year that he was not on the list of officers.

Mr. Johnson came to Washington from the woods of Minnesota. He was born in Norway and always had a fondness for poultry. The first birds Fred ever owned were hatched under a crow. He had no setting hen, so he made an old black crow do the work. From early childhood Mr. Johnson has had a mania for chickens. He would rather breed poultry than do anything else, and when it came to breeding good ones, ask "Jimmie" Tucker and he will tell you that he has given Fred more prizes than any other one exhibitor on the coast. Fred has never been in a sense a specialty breeder. He has bred most all kinds. He began with Single Comb Brown Leghorns and is breeding them today, but he carries several other breeds and has made good in several varieties. Mr. Johnson is not a poultry farmer in the sense that he owns a big farm, but he is more of a town lot fancier. In the early days of Tacoma, he bought a small place in the south end of Tacoma. Near this place there was a lot of state school lands. These lands were donated to the school fund when Washington became a state by the United States government. From a small start in land Mr. Johnson's property grew. He soon found that his first holdings were not large enough to yard his poultry, so when the state decided to sell the school land Fred bought quite a nice little chunk. These lands sold for very small prices and one had ten years within which to pay for them. Long before the payments all came due, Fred had his lands covered with fowls, and then people began to buy all around him, and the first thing he knew he was worth a bunch of money that he never dreamed of making out of the chicken business. He credits his prosperity to his fowls and I think rightly so. If he had not bred chickens he would not have had any use for the land, therefore he would not have bought. Buying these lands made it possible for him to give up the poultry business had he so desired, but today he is more of a chicken fancier than ever, which goes to show that prosperity has never ruined a good poultryman.



FRED A. JOHNSON
President Tacoma Poultry Association
Tacoma, Washington

Mr. Johnson is a man of family and has four fine boys and one daughter. His second son is now a member of the firm and the way they grow Brown Leghorns is an eye-opener to everyone that meets them in the show room.

The market for eggs has kept steadily up since the last of September, despite the fact that the commission men were ready to break the market at the first opportunity. Friday a week ago eggs wholesale brought 40 cents per dozen, but we find them Saturday, January 10, at 36 cents, with a chance for them to go a little lower. Eggs will rule low now until the hatching season begins, and then look out for a higher price.

If you intend to have early broilers this spring you should get busy and set your eggs not later than the first of February. Few people will have setting hens so early, but a good incubator will do the work. The man who can get out chicks the last of February in the weight breeds, such as Plymouth Rocks, Wyandottes, Orpingtons and Rhode Island Reds, can hope to have layers next fall when eggs are high. It is the pullet that will lay in October and November that will bring the 50 cents price for eggs. Last season we went on a small ranch where everything had to be built from the raw land up. Having no house where an incubator could be run I decided to set hens. I first built a setting coop. This coop was built as follows: I made a lean-to shed, two feet wide and twelve

Mrs. Carver's Golden Campines won at Chicago 1st Pen, 1st Cock, 2nd Hen

BLUE RIBBON POULTRY FARM



CLEAN SWEEP AT ST. LOUIS

Showing at both shows the same week in the one city, we won 9 Firsts and 8 Seconds out of a possible 10 in each class. This record has **never been equalled** in Black Orpington history.

BLUE RIBBON STRAIN

is acknowledged by all to be the best, not only for exhibition, but for egg production and table use. The **Greatest Winter Layers** known. Pens now mated for egg trade. Show birds for any show. Breeding stock in any quantity. Catalogue and Egg circular free.

Blue Ribbon Poultry Farm -:- Box A -:- Columbus, Indiana
BLACK ORPINGTON SPECIALISTS

feet long, divided into compartments of eighteen inches wide by two feet deep. The front of the lean-to was made two feet high and fourteen inches high in the back. I used one twelve-inch board and one two-by-four-inch board for the back, nailing this onto the partitions. For the front, used one twelve-inch board at the top and left the bottom of the front open and fitted twelve-inch boards in front of each nest. These boards or doors were hinged from the top with leather straps. On each door there was a cord tied and this was tied when the doors were up and untied and the doors let down at nights when the hens were on the nest. For the floor the earth was used. A nest was scooped out in the ground and oat straw was used for the litter in the nest.

For a top to this house, three twelve-feet 1x12 boards were nailed together, making a good solid top. Over the top tarred paper was used for roofing. The top was hinged on the front of the coop so that it could be raised up from the back.

In front of this row of rests, runs eighteen inches wide by two feet long were made. These partitions were made of twelve-inch boards; on top of these boards were nailed two-by-four boards. This gave a runway eighteen inches wide by four feet long. For a top a frame was made the whole length of the run (four feet wide by twelve feet long). This top was hinged on the runways so that it could be easily lifted. These runs were made separate from the coops. It could be pushed away or closed up, just as one desired. My idea for building it thus was to be able to clean up the runs by raking them after pulling the runways away from the nest proper. In the front of each runway I used a tin can for a water vessel. This I nailed to the side of the partitions. This made it easy to go along and fill the water cans. The feed for the hens was put in these runways each morning and fresh water given. The little doors were raised and each hen could come off, eat and drink or dust without disturbing the other setters. In this nest one hatch, where eight hens hatched the same day on thirteen eggs each, resulted in eighty-eight chickens, or an average of nearly eleven chicks to the hen. This I considered fine, and the fact that no hen could disturb another saved many eggs from being broken.

By going all around the neighborhood and telling each neighbor that I wanted setting hens I was able to get all I could use; in fact, in the latter part of the spring I could not use all that was offered. I built another setting house similar to the one above described, and had the best season and the most healthful fowls that I ever raised.

As each hen hatched I doubled up the chicks. Each hen was given an average of twenty chicks. Ordinarily that is too many, but if one would work it the same as I did they would find their chickens doing well. For brood coops I took two pieces of one-by-twelve five feet long, two pieces of one-by-twelve two feet long, and made this into a box. Then one piece one-by-twelve two feet long was sawed diagonally across. This gave me two slanting pieces twelve inches at one end and about a sixteenth at the other. These two pieces were nailed on the long boards upright, with the wide end at the front. At the front there was a two-foot piece twelve inches wide, nailed so as to make the front of the coop proper. For a top, three pieces of twelve-inch stuff were nailed together and batterned over the cracks to prevent them leaking, the top being three feet long. The cleats were nailed on the underside so that they would hold against the top and bottom (front or back) of the coop. This gave me a brood coop two-by-two feet, with a cover over it, and in front I had an open runway of two-by-three feet. Over this open runway I put a frame on hinges. I hinged it to the brood coop proper so that it could be easily raised.

In front of the coop or hover a one-by-four piece was used, this being two feet long. In the center of the brood coop a

Carver's Imported Royal Red Sussex won at Chicago 4 FIRSTS

NORWICH AUTOMATIC EXERCISERS AND FEEDERS

Are guaranteed rat, rain and sparrow-proof. They will reduce your feed bills 25 per cent; your labor to practically nothing; they will improve the condition of your flock and thus increase the egg production. They will pay for themselves in ninety days in feed alone. Send today for free booklet explaining our thirty days' trial offer. They are for sale by live dealers everywhere, or we will ship direct from Toledo, Ohio. Write now to

River Home Poultry Yards, Breeders Exhibition Quality Light Brahmas, 820 Monroe St., Toledo, O.

LOOK BUFF BLACK WHITE **ORPINGTON POUND CHICKS**



at prices no higher than others ask for **Eggs** of the same or poorer quality. Our pound chick proposition will revolutionize the poultry fancy. You take no risk. A pound chick is a different thing from a day old chick or an egg. Here you get certainty. Chicks out of **Danger.** Yes we have day old chicks and eggs too, and at prices that are just. You pay for no full page ads here. Remember that we can supply a **Few** very choice Rocks, Reds, Anconas, Wyandottes, Minorcas and Campines in pound chicks, day olds or eggs, and our catalog is free for two stamps, or make it 10c and get big colored plate of pair of Buff Orpingtons our kind (That won championship of AMERICA) and the **Orpington Magazine, 1 year.**

Cheviot Farms, R. 2, Cincinnati, Ohio

WHITE ORPINGTONS



Remember that

Russell Cave White Orpingtons



Layed more eggs than any other pen of Orpingtons, all varieties competing, at the Missouri National Egg-laying contest, besides winning the cup for the greatest number of eggs during the month of February, against all breeds.

My winnings this year are as follows: The Great Hagerstown Fair, 1st and 3d hen, 1st and 2d cockerel, 1st and 3d pullet, 1st pen—no cock shown—special for the best hen in the show. Augusta Poultry Show: 1st and 2d hen, 1st and 2d cockerel, 3d, 4th and 5th pullet, 1st pen and specials. **Cocks, Hens and Pullets at $5 and up. Express prepaid. Satisfaction guaranteed.**

Russell Cave Poultry Yards, Add. Louis Lee Haggin, Prop., P. O. Box 1025, Lexington, Ky.

big round nest was scooped out in the ground and oat straw was thatched around the sides and bottom up to about four inches. This gave the little chicks a good soft place to rest and at the same time kept in all of the heat that the mother hen might produce. In other words, the mother hen was used in the same way that the ordinary hover is used. She was down so that all of heat was kept in this enclosure, and even if the little chicks were not all under her at the same time, they could go under and push some other chick out when they got chilly. This brooder worked the best of any I ever used, and the deaths among my chicks was the smallest I ever had. In fact, these mother hens did so well that my wife is now convinced that the hen is the best mother after all.

After the little chick got used to the quarters a brick was put under the corner of the coop and the chicks were allowed to go where they would, but the hen was kept in this enclosure at all times. We have a lot of rain on Puget Sound, but with this kind of coop you can raise chicks out doors throughout the year. Even in the cold rainy mornings of last spring one would find these hearty little chicks going everywhere, and they did not give any more trouble kept this way than they would have been had one a hundred in a brooder.

Where one can not get hens he should buy an incubator and if he expects to breed any great number of fowls the incubator and brooder will be better and cheaper to handle, but for a few chicks nothing will beat the old mother hen, either for hatching or as mothers.

In Tacoma we have a butcher by the name of Siegel. He is a man that stands well in the community and sells a lot of poultry products in the course of a year. Mr. Siegel is a German and sometimes mighty plain spoken. He is a fancier of Black Minorcas and a good solid member of the Tacoma Poultry Association. Just before Christmas I was in Mr. Siegel's market. I heard him talking turkey to the different ladies that came in. One lady said, "What are turkeys worth?" Mr. Siegel said, "This lot is worth 32½ cents per pound; this lot is worth 30 cents; these, 25; the next lot 20; over there we have some at 18 cents, and if they don't please you in price, we have some in the back room that we will give you for nothing." Having raised my turkeys this year I did not take much interest in the prices asked, but could not help asking questions when I heard Mr. Siegel say that he would give a turkey for nothing. Mr. Siegel said:

"Those 32½-cent turkeys are fine prime stuff, home grown and perfectly fresh. After you leave that lot, the next are poorly fed, immature specimens that have not had the care and have not been gotten ready for a decent market. The other turkeys are from cold storage. The ones that I will give away are so bad that I would not have the heart to take money for them, yet I know that they are being daily served in the restaurants.

"Harry, if you poultrymen would get together and get a law passed that would not allow cold storage men to put fowls in cold storage without they were first drawn, you would have the business 'yinced.'" I did not know what Mr. Siegel meant by being "yinced," but I was soon convinced from what he showed me that a fowl would not stand up in cold storage if it was first drawn before being frozen. I talked turkey with Mr. Siegel for some time. He said that those breeding America's greatest fowl should get busy and get a cold storage law. That all turkeys came to maturity just before the holidays and that there was no reason why turkeys should be kept in storage for over six weeks. There are few cold storage plants here in Washington. We do not produce enough poultry or eggs to make a cold storage business a very large affair. Prices of eggs or poultry seldom go low enough to warrant people putting fowls or eggs in cold storage, but on the other hand nothing

BIRD'S PARTRIDGE ROCKS

Win all Firsts Competed for at the Great Chicago and New York Shows, Dec. 1913

The above record in hot competition is the greatest ever made in the history of the breed. Every winner from our own yards.
The grandest exhibition and breeding birds for sale. Our strain will win you prizes and make money for you. Get our catalog containing details of our wonderful prize records, etc. **EGGS** from America's Undisputed Champions at **$10 per 15.**

GIANT BRONZE TURKEYS

Again they Gobble, Gobble, Gobble, "The World's Champion Bronze"

At Madison Square Garden, December, 1913, in the hottest competition, our turkeys made their greatest record by winning 20 of the 25 prizes, including all the firsts. Every winner from our own yards except fourth cockerel. We will please you with the the best exhibition and breeding birds at right prices. Satisfaction or your money back. Write wants. Eggs in season.

BIRD BROS., MEYERSDALE, PA.

Fiske's Single Comb White Leghorns

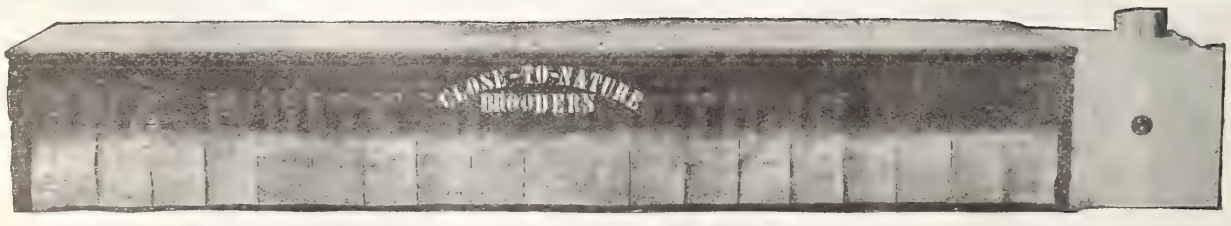
The World's Best Breeder of Exhibition Pen Single Comb White Leghorns, winning at the Grand Central Palace, 1913, First and Fifth Pens, and at Madison Square Garden, 1913, Second and Fifth Pens. At Madison Square Garden, 1912-1913, I won First and FourthPens.

My winning at Buffalo, 1913, has never been equalled, for I won every prize in the Single Classes, First and Second Pens and all Specials.

Some of my other winnings are as follows: Grand Central Palace, 1913, First Cock, Fourth and Fifth Cockerels, Special for Best Shaped Male; Madison Square Garden, 1913, Second Cockerel, Third and Fourth Cocks, Fourth Pullet, Special for Best Headed Male, Special for Best Headed Female; also winning at the same time, the $100 President's Cup for Display, same having been won three times, in 1910-1912-1913. **At Boston, 1914,** I won 1st and 2nd Pens on two entrys.

If you wish to breed and raise your own winners, you must have some of my great birds or some setting eggs to improve your stock. **Beautiful Breeding and Exhibition Cocks, Hens, Cockerels and Pullets** for sale at prices to fit the rich or poor. Besides being Show Birds, these birds are the Greatest Layers on Earth. **Eggs** from the finest of Exhibition Matings in the World, $1 apiece. **Eggs** from the Greatest Laying Females ever seen, $10 per hundred, $80 per thousand. **Baby chicks** by the hundred or thousand. Send for my catalogue at once. Single Comb White Leghorns and nothing but Single Comb White Leghorns.

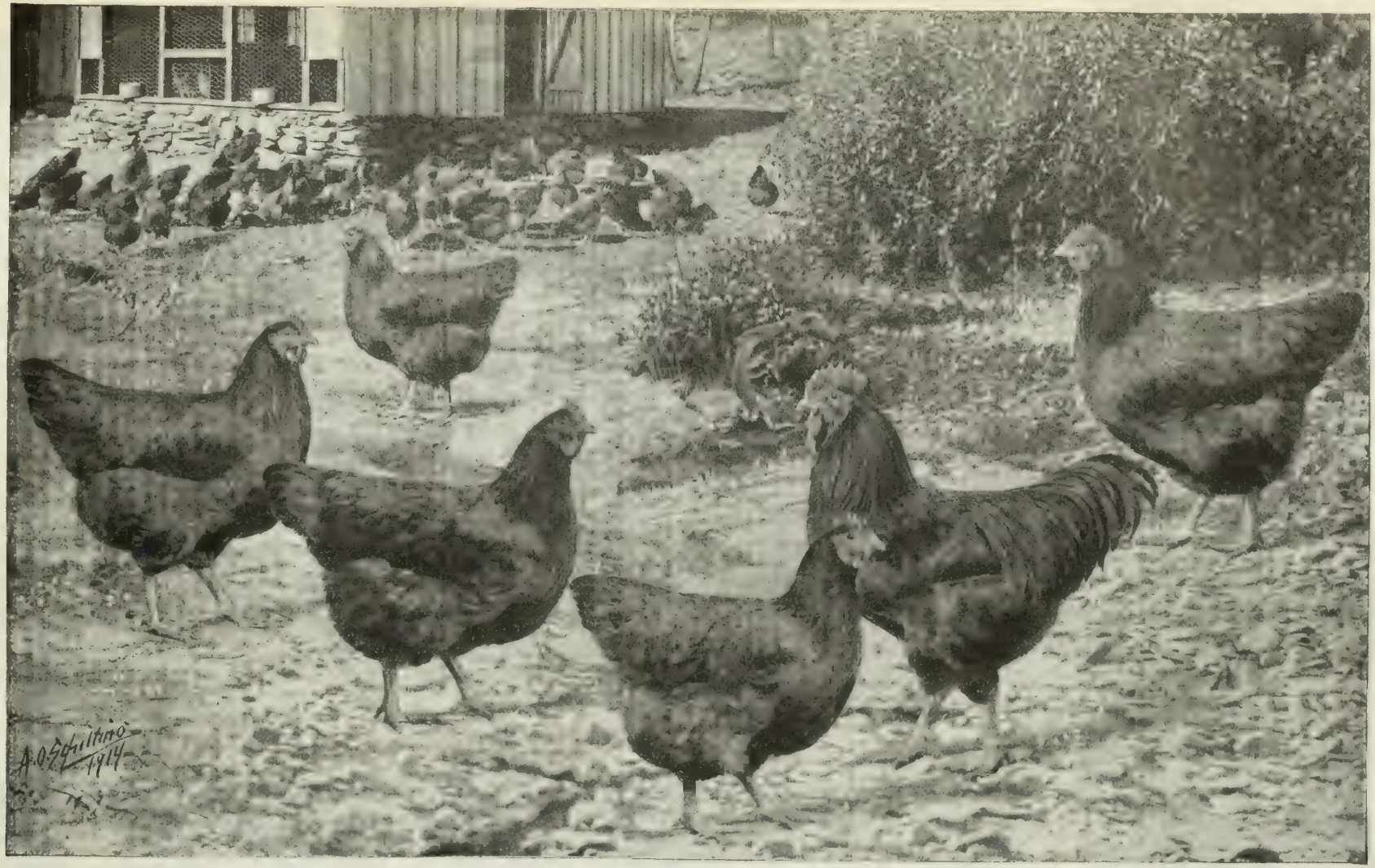
Harlo J. Fiske **Box No. 4** **Sterlington, N. Y.**



CLOSE-TO-NATURE OPEN AIR HOVER—The Longest Portable Hover Ever Made

Applies the three Close-To-Nature principles:—(1) **Contact Warmth**—the chicks nestle against a warm body as with the hen: (2) **Open Air Ventilation**—fresh temperate air, not hot air like in hot air brooders: (3) **No Piling or Over-crowding**—chicks in narrow long rows.
Combines the **Fireless** with the **Lamp**—use the lamp for very young chicks and discard it as they grow older; use it in the day time when chicks are running out but extinguish it when the chicks cluster for the night.
Nothing like these hovers and brooders now on the market. Get full information and very low prices.

CLOSE-TO-NATURE COMPANY **38 FRONT STREET** **COLFAX, IOWA**



"ROYAL—FIRST PRIZE PEN ADULT S.C.R.I. REDS CHICAGO SHOW DEC. 1913. BRED AND OWNED BY F.E. HARRISON MENOMINEE MICHIGAN.—REDS"

Harrison's "Royal Reds" were very much in evidence among the winners at the recent Chicago show. Last year "Royal Reds" won the display on single combs, and those who follow the winnings closely will remember the great amount of favorable comment that was made regarding first, second and third prize pullets. This year Mr. Harrison succeeded in repeating his wonderful win by capturing first, second, third and fourth prizes in the pullet class. They were four good ones of the proper shade of color and carried the earmarks of the "Royal Red Strain." We have personal knowledge of a case where a customer purchased a pullet from Mr. Harrison and succeeded in raising from her enough good ones to win first pen and first pullet at one of the best shows held this season. —A. O. Schilling.

affects our winter prices as much as the cold storage products that are shipped into the Northwest by the middle West cold storage plants. If there was a law in Washington forcing all cold storage people to so label their eggs and poultry, then winter eggs and poultry fresh from the farm would bring much better prices. There was a law offered at the late session of the legislature defining cold storage eggs, but it failed to pass the house after passing the senate. The poultrymen of the state will have another chance to get that law this fall. There will be a general election; at all general elections the people can initiate laws. There is a movement on foot to offer such a law to the people this fall. At a meeting of the American Poultry Association held in Spokane, a committee was appointed to bring up such a law. The chairman of that committee is H. J. Shepherd, of Spokane.

The annual meeting of the American Poultry Association, Washington Branch, was held at Spokane the 26th of December. There were a good many in attendance and quite a little enthusiasm shown. A committee was appointed from the branch on a show circuit. It was the sense of the meeting that the show circuit commence in November and wind up in February. The object being to keep a continuous interest in pure-bred poultry from the late fall to early spring. It was the opinion of many that if the shows came on a circuit in this way the poultry papers would be able to give more publicity to the show, print better reports of the awards, and all exhibitions would get more entries and the attendance would be larger for the reason there would be no conflicting dates. This committee was instructed to write to all of the secretaries of associations who are members of the branch and ask for their dates. Once these dates are fixed, to advertise the circuit in all of the poultry papers.

If every secretary of a poultry show in Washington will write to Harry H. Collier and give their dates for 1914-15, it would be a big help to the committee. Oregon and Idaho will appoint a committee on circuit to confer with the Washington committee. C. F. Williams, of Salem, Ore., and R. G. Bailey, of Lewiston, Idaho, represented their states at the Washington branch meeting. The joint committees will meet soon and fix dates for the next winter's shows. Some cities have already claimed dates as follows:

Tacoma, the week following Christmas.

North Yakima, second week in January.

Walla Walla, third week in January.

Spokane, third week in December.

Skagit County, second week in December.

Portland, Ore., first week in December.

Seattle is holding its show this year the third week in January. At the present writing I have not learned what week Seattle will take. The show that makes the big success another year will be the one that is held the second week in November. The reason why this week is so good is the fact that a lot of breeders get out birds for the fairs and the city that will take the second week in November will get all of these early birds in fine bloom. The December and January shows come too late to show the fall fair birds, yet there are a big bunch of them.

LONGFIELD R.C. REDS AT THE GREAT CHICAGO COLISEUM SHOW, DECEMBER, 1913

Won 1 Cock; 1, 3 Hen; 1 Old Pen; 3 Young Pen; 5 Pullet; Gold Watch for best display; $10 cash for best mated pen; also shape and color specials on First Hen. In addition to our winnings, W. L. McMillen, who breeds our strain in its purity, won 1 Pullet; 2 Hen and 3 Cock. **Longfield Reds will win for you.** In the past 3 years at this great show we have won 8 firsts (4 times as many as any competitor). Write for illustrated mating list.

LONGFIELD POULTRY FARM BOX 321 BLUFFTON, INDIANA



Do You Know That Kennedy's Improved Champion Strain SILVER and GOLDEN CAMPINES

"The fowls with a character all their own" are the aristocrats of the show room in America. They have won the blue and red in the hands of my many customers at every show of note, such as New York, Boston, Baltimore, Philadelphia, Buffalo, Cleveland, Chicago, Los Angeles, Atlanta, Allentown, Hagerstown, Syracuse, as well as from coast to coast in Canada. Write me your wishes. I do not exhibit myself, so can fix you up right for any show. Send for **Campinology**, "the story of the living egg machines." Ten cents is appreciated.

Special. If you contemplate purchasing eggs for hatching, remember I make a specialty of supplying same from the grandest birds, that are properly mated for best results, and they will unquestionably produce winners.

J. FRED N. KENNEDY, Box F, Birch Cliff, Ont., Can.



Fairfield White Rocks to the Front

At the Great Baltimore, Md. Show, January, 1914

In competition with the best North and South I won **Special for Best Display. Color Male and Female Specials,** also **Cock 1, Hen 1-5, Cockerels 2-5, Pullets 2-3,** Exhibition **Pen 1.** I also won **Gold Special** for 2 best males and 4 females. This is one of the best classes ever shown. **At the Great Allentown, Pa. Fair,** Sept. 1913, I won Cock 1, Hen 5, Cockerel 1-4, Pullet 2, Pen 2. **At Bridgeton, N. J.,** Cock 1-2-4, Hen 1-2-3, Cockerel 1-2-3, Pullet 1-2-3, Pen 1. Best Display in American Class, Special for best female in Show, Etc. These records prove dependable quality.

Stock for Sale—Eggs from Selected Matings

Write me your wants. I have the quality to please at right price. Mated Pens a Specialty, absolute satisfaction assured. Cir. free.

FAIRFIELD POULTRY FARM H. W. Schnitzer, Prop. FAIRTON, NEW JERSEY

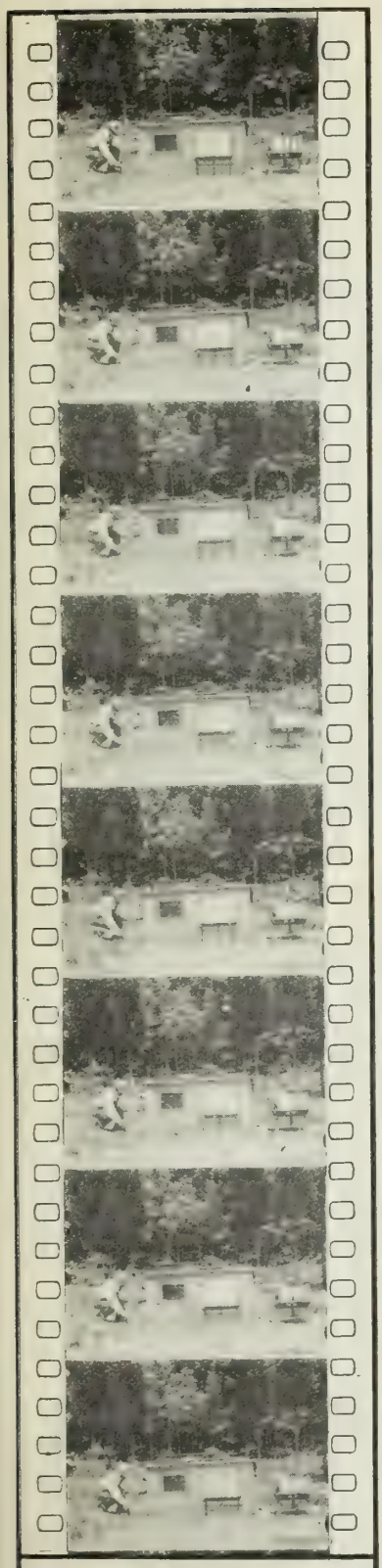
IOWANA WHITE ORPINGTONS



Bred for Vitality, Productiveness and Quality

Winners at the Iowa and Illinois State Fairs; also at the Chicago Show and Iowa State Show. Won second old pen, second young pen, and second best display in the hottest class ever shown in this great show. **A very desirable lot of breeding and exhibition stock for sale.** Write for our mating list describing our 1914 matings.

IOWANA FARMS POULTRY DEPARTMENT
DR. BRYANT SMITH, MGR. :: BOX S, DAVENPORT, IA.



Poultry work views direct from Uncle Sam's moving picture films.

UNITED STATES GOVERNMENT POULTRY MOVIES.

Practical, Modern, Educational Work Being Done by the United States Department of Agriculture — Governmental Experimental Farm at Beltsville, Maryland, Is a Busy Place.

By Prince T. Woods, M. D.

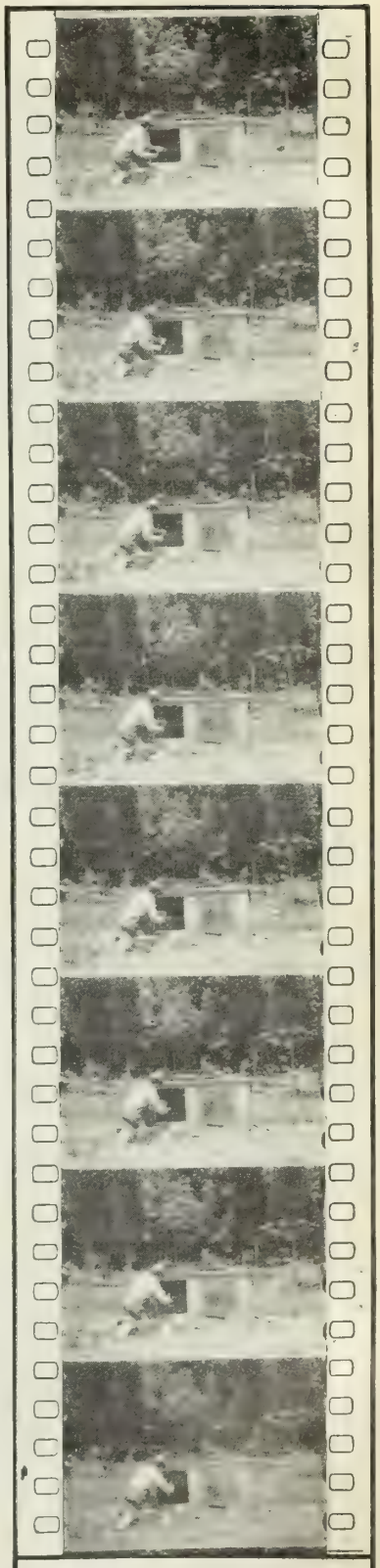
OUR Uncle Sam secured a real "live wire" in poultry work when he captured Harry M. Lamon, senior animal husbandman in poultry investigations, Bureau of Animal Husbandry. Mr. Lamon is primarily a fancier, he was thoroughly well inoculated with the fancy before he developed much practical interest in utility poultry and his interest in Standard-bred poultry is going to prove a valuable asset to the department of poultry investigations of the United States Department of Agriculture and a benefit to poultrymen generally.

Much has been done at the Government Poultry Experimental Farm, Beltsville, Md., since we visited the farm less than a year and a half ago, and there is much more doing. Harry M. Lamon and his able assistants have been busy, very busy, and along practical lines. They are not only busy with experimental work at the farm, gathering material for poultry instruction work, but are busy with lecture work and getting farmers and farmers' wives, sons and daughters together for instruction work in poultry husbandry and for effective cooperation.

On the experimental farm there are some fine flocks of the leading popular varieties of Standard-bred poultry, and bye and bye our Uncle Sam will have some of the best well-bred poultry in the land. The utility side of the business is being given due measure of attention, too. It is a good work, well begun; but it is only a beginning and we doubt if the workers themselves appreciate what a big work the department of poultry investigations is destined to ultimately accomplish. At the present time the work is only in the embryonic stage, but it is a mighty promising and healthy embryo. Already big strides forward have been made.

During the past year a good deal of time has been devoted to making films for moving pictures. Uncle Sam has very properly decided that the movies are going to prove exceedingly valuable for instruction work in poultry husbandry. Many moving picture lectures on poultry work have already been given and have been wonderfully well received. The audiences pack the lecture halls and talk about the poultry movies for months afterwards. The moving picture indelibly stamps its lesson in the brains of the audience, they are keyed up to the lesson throughout the "picture show." As the pictures from the films are thrown on the screen the lecturers explain the lesson, but the pictures tell the story. The audience is personally conducted through the various stages of poultry work and gets a lasting and helpful impression. It is ages ahead of the old-time lecture droned out to an audience that was half asleep and the other half largely inattentive. There is no going to sleep at our Uncle Sam's poultry moving picture shows—everybody is wide awake and eager for more.

The past season has been a busy one in film making. Uncle Sam now has

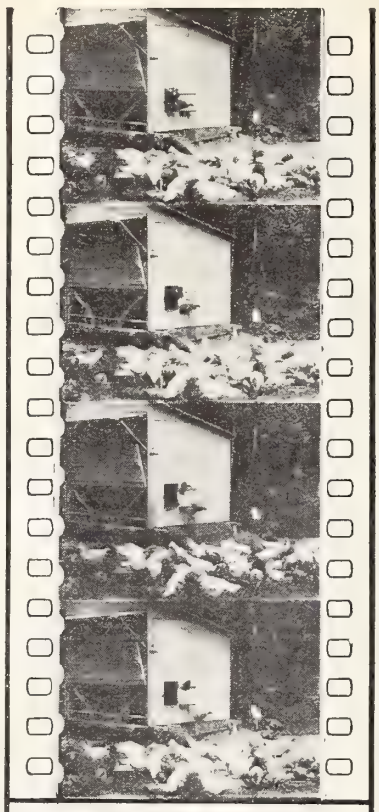


Poultry work views direct from Uncle Sam's moving picture films.

films that already cover a wide field in practical poultry instruction work. The moving pictures begin with the cleaning and disinfection of the poultry house. The audience sees it done and is told all about it. Then comes gathering and sorting eggs, all phases of handling of eggs during incubation and the care of chicks, both by natural and artificial means, to the minutest detail. One film shows the embryology of the chick in all its wonderful detail—the growth of the embryo chick is shown from the first day up to and including the twenty-first day. The pictures are good and have received very favorable comment. Besides the inestimable value of these pictures of the development of the chick in teaching embryology, there is a great object lesson for farmers and others showing just what takes place in eggs when they are held in warm weather. As we said before, it is a good work well begun.

Of course the poultry movies are a new departure, and there is much yet to be done. It is only a beginning of a great educational work and it has proved a very successful beginning. Our Uncle Samuel is to be heartily congratulated on his work and on his workers. A few of them are young, but they will outgrow it, and they are very promising youngsters; the "deadwood" has been pretty well weeded out.

Just now the instruction work is largely in line with that of small plants and farm poultry. It will be a big undertaking and a good work to better small plant and farm poultry conditions. Most farm flocks will stand a lot of improvement. But, although this work may begin with farm poultry, it isn't going to stop there. In the years to come, when our Uncle Samuel and his helpers get deep into the problem of feeding the people, farmers and others are going to be taught to specialize more. Whatever a man can do best he will be helped to do. Whatever a farm will produce best will become that farm's specialty. We are not going to dabble along indefinitely with poultry as a side issue on the farm. It has been a farm side issue almost long enough. In the years to come the side issue farm poultry will be only a small flock of fifty or more well-bred fowls, designed primarily to supply the farm home table with eggs and poultry. The farmer will be busy with other things more to his liking; he will be working his particular specialty to the limit of its capacity and he will cease trying to spread himself out thin over a multitude of "side lines on the farm."



Poultry work views direct from Uncle Sam's moving picture films.

Some men who are especially well fitted for and interested in poultry work will specialize in the various branches. We will have big hatching plants, big rearing plants, big market chicken farms, egg farms, and so on all along the line. The poultry movies are going to create and stimulate interest in specialized poultry husbandry and we are certain to have moving pictures covering specialty poultry work for the education of students of poultry husbandry. Our Department of Agriculture specialists will ultimately become vocationists and promoters of specialty work on the farm. They will be able to show the students and beginners what specialty they are best fitted for, to help them to develop themselves and to get them located suitably. Efficiency in all branches of the work will be demanded and recognized. The round pegs will be fitted into the round holes and the square pegs into the square holes.

It is a great work, this, that Husbandman Lamon and his associates have begun. We hope that this administration, and each succeeding administration, will help the good work along. A good deal has been accomplished in one or two years, but it is as nothing to what can be accomplished in the next ten or a dozen years, if we all work for progress and development.

With this article are shown illustrations taken direct from Uncle Sam's moving picture films.

Wysocki's Silver Campines

Winners at Chicago, Jan. 1914, 1st Pen, 2nd Cockerel, 2nd and 5th Pullet. Eggs and day old chicks at reasonable prices. Mating list upon request.

MRS. J. WYSOCKI, 431 Lafayette St., Aurora, Ill.

WOOLERY FARM WHITE ORPINGTONS

Winning at CHICAGO, National White Orpington Club Show CINCINNATI, INDIANAPOLIS National Fanciers' Club, State Club Meet Columbus, Ga., and Indiana and Illinois State Fairs this season, is sure proof **we can furnish you winners** or **Eggs to produce winners at any show.** We have hundreds of Pure White Orpingtons ready for show NOW. Tell us the show you must win TODAY.

RALPH WOOLERY, MANAGER : : BOX A, BLOOMINGTON, INDIANA

DUNE-ALPIN

S. C. White Leghorns

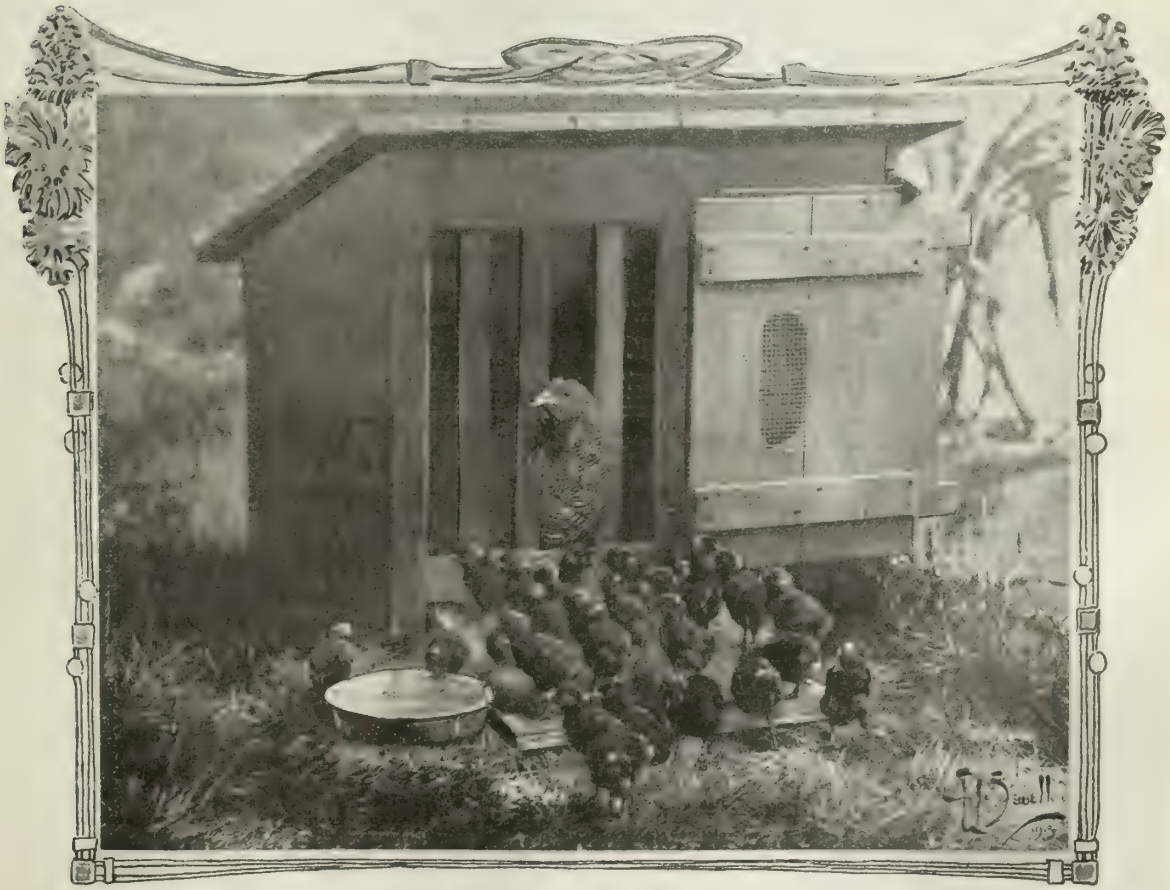
Have won more **first and special prizes** in the past four years at Grand Central Palace, New York, Boston, Hagerstown, Philadelphia, etc., than **all competitors combined.** They have won in almost every large show held in this country and Canada for our customers. **They can win for you.** Our birds are better than ever this year. Proof:—Twelve firsts and ten seconds on twenty-two entries at live Long Island shows. At the

Great Hagerstown Fair, 1913

The greatest poultry show of the year, (7,000 entries), and in the strongest class of Leghorns out this year, we won cock 1-2-3, hen 1-2-3, cockerel 1-2-3, pullet 1-2-3, old pen 1, young pen 2-3, special for **best bird in the show,** special for **best cock,** special for **best bird in the Mediterranean class,** etc. Write for catalogue and prices.

Dune-Alpin Poultry Farm, Geo. J. Kerr, Manager, Box 561-J, East Hampton, New York





Imperial "Ringlet" Barred Rock eggs and a brood of young prize winners on the farm of E. B. Thompson, Amenia, N. Y. These pictures emphasize the fact that the Imperial "Ringlets" lay fine eggs and that the eggs hatch fine chickens.

New Members of American Poultry Association.

George Dolle, Dayton, Ohio.
Otto C. Reidy, Fremont, Ohio.
L. G. Diment, Clyde, Ohio.
G. U. Baumgardner, Shreve, Ohio.
John Steinmetz, Marion, Ohio.
Boyd Brown, Marion, Ohio.
Frank H. Parkinson, Pataskala, Ohio.
Gertrude H. Kelly, Willoughby, Ohio.
F. B. Stemen, Bremen, Ohio.
N. P. Nichols, Medina, Ohio.
W. B. Peters, Marion, Ohio.
George H. Singleton, Lakewood, Ohio.
R. P. Everly, Wooster, Ohio.
H. W. Wistmore, Buchtel, Ohio.
J. J. Gabel, Cleveland, Ohio.
Joseph L. Heston, Trenton, Ohio.
J. M. Scarborough, Hillsboro, Ohio.
John Scherz, Cincinnati, Ohio.
John Mackay, Wyoming, Ohio.
L. H. Sutter, Crestline, Ohio.
Frank A. Richardson, Huntsville, Ohio.
I. R. Mankel, Upper Sandusky, Ohio.
Walter Quaintance, Upper Sandusky, Ohio.
Charles Heigh, Rocky River, Ohio.
C. W. Sixt, West Park, Ohio.
John Miller, Crestline, Ohio.
Fred Crumrine, Canton, Ohio.
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Irvin D. Dutrich, Hegins, Pa.
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George J. Goettler, Pottsville, Pa.
John B. Hoffman, Sanatoga, Pa.
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J. A. Ayres, La Plata, Mo.
R. E. Walsh, Fredericktown, Mo.
J. Gasaway, Hume, Mo.
Adair Country Poultry Association, Kirksville, Mo.
J. M. Stone, Palmyra, Mo.
Mrs. Clarence Dearing, Palmyra, Mo.
A. V. Fish, Kirksville, Mo.
George S. Buxton, Bellows Falls, Vt.
Dana S. Brownell, Springfield, Vt.
Almon I. Bolles, Bellows Falls, Vt.
F. F. Gray, Townshend, Vt.
Natt L. Divoll, Bellows Falls, Vt.
Harold E. Lewis, Brownsville, Vt.
Mrs. Wm. C. Hoelscher, Hubbard, Iowa.
William Shade, Hubbard, Iowa.
A. H. Honeyman, New Hampton, Iowa.
Woman's Poultry Assn., Des Moines, Iowa.
Mrs. William Hunt, Earlville, Iowa.
S. E. Heston, Pleasant Plain, Iowa.
George W. Unruh, Chanute, Kan.
Mrs. T. U. Marshall, La Cygnus, Kan.
C. K. Whitney, Wichita, Kan.
George W. Perkin, Newton, Kan.
P. H. Anderson, Lindsborg, Kan.
E. Elliott Hughes, Detroit, Mich.
L. E. Heasley, Dorr, Mich.
Dewey A. Seeley, East Lansing, Mich.
W. S. Kirby, Galesburg, Mich.
B. Walter Ferguson, Fairfield, Conn.
D. C. Allen, Seymour, Conn.
W. H. Bassett, Cheshire, Conn.
George E. Muth, Camden, N. J.
August Stolz, Jr., Clifton, N. J.
Elias Peter Hicks, Bound Brook, N. J.
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Aldro Jenks, Dodgeville, Wis.
C. F. Sauer, Richmond, Va.
Harry Beasley, Petersburg, Va.
F. H. Teeter, Orting, Wash.
Roy C. Irvine, Tekoa, Wash.
State Poultry Association of Utah, Salt Lake City, Utah.
Ogden Poultry Association, Ogden, Utah.
H. L. D. Hughes, Danville, Ga.
Mrs. R. L. Porter, Cheneyville, La.
John G. Kuhlmann, Chester, Neb.
Mrs. J. L. Davis, Emerson, Neb.
T. D. Maxson, Oak Park, Minn.
J. C. Howenstein, Ft. Wayne, Ind.
C. E. McLendon, Bishopville, S. C.
Roynon M. Smyth, Revelstoke, B. C.
Albert V. Wheeler, Carlinville, Ill.
E. M. Dare, Dover, Del.
E. E. Hardesty, Eugene, Ore.
H. K. Madden, Butte, Mont.
Karl S. Park, Richmond, Ky.
H. B. Whiting, North Wilbraham, Mass.
C. H. Allen, Colman, S. D.
Capitol Poultry Association, Austin, Texas.
Jake M. Brown, Chattanooga, Tenn.
E. S. Lee, Las Vegas, Nev.

U. R. FISHEL'S AD in this issue will interest you. Read it.

More Proof

Granock Farms S. C. W. Leghorns win at Philadelphia, Pa., Dec. 20-16, 1913

Silver Cup for Best Display — **Silver Cup** for 2d Best Display in Mediterianean Class — **Special** for **Best Headed Male** bird
Special for **Best Shaped female** — **Special** for **Best Colored female** — **Special** for **Best Three Cockerels**
SWEEPSTAKES CHAMPIONSHIP Cup for BEST PULLET in ENTIRE SHOW

Look up our winnings at Buffalo, Grand Central Palace, Boston and New York State Fair. Send for Catalogue.
STOCK AND HATCHING EGGS AT RIGHT PRICES. Write us your wants. Let us satisfy you like we have hundreds of others. Exhibition birds sold under a guarantee. When writing mention American Poultry Journal,

Granock Farm — **Stewart Haddock** — **Poughkeepsie, N. Y.**

FIRST PRIZE

Madison Square Garden, New York 1914

S. C. WHITE LEGHORNS

The Queen of America's Greatest Show

Our First Prize Pullet was the sensational winner in the finest class ever seen. Her type and carriage with absolute pure color was admired by all alike. She has the breeding as well as the quality of a real winner.

At Baltimore's Great 1914 Show

We again win the leading honors, regular and special. Cock, 1-2; Hen, 1-4-5; Cockerel, 3; Pullet, 1-5; Pen, 3. At Dover, Del., Cock, 1-2-3; Hen, 1-2-3; Cockerel, 1-2; Pullet, 1-2; Pen, 1; Six Silver Cups, Champion Sweepstakes, Special for Best Bird in show, also Best Hen, Pullet and Pen in show, etc.

Choice Exhibition, Breeding and Laying Stock

our specialty. Our matings for 1914 are of superior quality to produce future winners. We assure you of absolute satisfaction. Write us your wants in Stock and Eggs.

Baby Chicks a Specialty. Circular Free.

THE MARYLAND LEGHORN FARMS — **W. C. Bowman, Mgr.** — **Box A, CAMBRIDGE, MD.**



FELL'S FAMOUS WHITE WYANDOTTES AT NEW YORK

Madison Square Garden, December 26th to 31st, 1913, win the most wonderful record by defeating all Champions. No other breeder has ever made such wonderful winnings at New York. My winnings complete are:—

First Cock, First and Third Hen, Second, Third and Fourth Cockerel, Second and Fifth Pullet, First Pen, First Display.

I have won First Cock four times, First Hen twice, First Cockerel once, First Pullet twice, First Pen three times, First Display three times in four showings at New York. Catalogue of the finest White Wyandottes ready Jan. 15th.

A. J. FELL — **Box J** — **West Point, Pa.**

List of Awards at Boston Poultry Show

LIGHT BRAHMAS.

Cocks—J. W. Shaw, Brockton, Mass., 1; Wm. A. Hendrickson, Milton, Mass., 2; Quincy H. Merrill, M. D., Dudley, Mass., 3; Balch & Brown, Manchester, Conn., 4; Willow Brook Farm, Beverly, Mass., 5; Frank P. Johnson, Sta. A., Indianapolis, Ind., 6.

Hens—J. W. Shaw, 1-5-6; Willow Brook Farm, 2; Balch & Brown, 3-4.

Cockerels—Quincy H. Merrill, M. D., 1; Balch & Brown, 2; Hardy B. Tarr, Gloucester, Mass., 3; Willow Brook Farm, 4-5; A. V. Prescott, Cambridge, Wis., 6.

Pullets—J. W. Shaw, 1-3; E. W. Rankin, Topeka, Kans., 2; Balch & Brown, 4-5-6.

Old Pen—J. W. Shaw, 1; Balch & Brown, 2-6; Geo. V. Fletcher, Belmont, Mass., 3; Eli Ives Collins, Branford, Conn., 4; Willow Brook Farm, 5.

Young Pen—Frank P. Johnson, 1; Willow Brook Farm, 2-3; Wm. A. Hendrickson, 4.

DARK BRAHMAS.

Cocks—C. A. Ballou, 24 Lee St., Worcester, Mass., 1; David Stewart, Gloversville, N. Y., 2; W. A. Fuller, Fultonville, N. Y., 3; Dr. S. Lott, Bellona, N. Y., 4.

Hens—W. A. Fuller, 1-3; David Stewart, 2; Dr. S. Lott, 4; Wm. F. Chisholm, No. Reading, Mass., 5; C. A. Ballou, 6.

Cockerels—Wm. F. Chisholm, 1-2; David Stewart, 3-4; H. C. Lane, Peterboro, N. H., 5-6.

Pullets—C. A. Ballou, 1; H. C. Lane, Peterboro, N. H., 2-6; David Stewart, 3; Dr. S. Lott, 4; W. A. Fuller, 5.

BUFF BRAHMAS.

Cocks—Lloyd Miller Hallenbeck, Greendale, N. Y., 1.

Hens—Lloyd Miller Hallenbeck, 1.

Cockerels—Frank J. Hochrein, Greenfield, Mass., 1; Lloyd Miller Hallenbeck, 2.

Pullets—Lloyd Miller Hallenbeck, 1; Frank J. Hochrein, 2.

BUFF COCHINS.

Cocks—Oakland Farm, Taunton, Mass., 1-2-3-4-5; H. K. Foss, 100 Cottage St., Melrose, Mass., 6.

Hens—Oakland Farm, 1-2-3-4-5; H. K. Foss, 6.

Cockerels—Oakland Farm, 1-2-3-4-5; C. P. Ives, Branford, Conn., 6.

Pullets—Oakland Farm, 1-2-3-4-5; C. P. Ives, 6.

Old Pen—Oakland Farm, 1.

Young Pen—Oakland Farm, 1.

PARTRIDGE COCHINS.

Cocks—Edwin W. Dwight, 19 Pearl St., Boston, Mass., 1-2; Jos. Elias, Mt. Airy, Philadelphia, Pa., 3-6; Baylies Bros., Taunton, Mass., 4; Minch Bros., Bridgeton, N. J., 5.

Hens—Edwin W. Dwight, 1-3; Baylies Bros., 2-4; Minch Bros., 5; Jos. Elias, 6.

Cockerels—Edwin W. Dwight, 1-2-3; Minch Bros., 5; Jos. Elias, 6.

Pullets—Edwin W. Dwight, 1-2-3; Baylies Bros., 4; Mr. and Mrs. T. E. L. Kemp, Allston, Mass., 5.

Pens—Edwin W. Dwight, 1.

BLACK COCHINS.

Hens—W. S. Williams, 36 Cherry St., Whitman, Mass., 1-2.

Cockerels—W. S. Williams, 1.

Pullets—W. S. Williams, 1-2.

WHITE COCHINS.

Cocks—S. B. Roy, Worcester, Mass., 1.

Hens—S. B. Roy, 1-2-3-4.

Cockerels—S. B. Roy, 1.

Pullets—S. B. Roy, 1-2-3-4.

Pens—S. B. Roy, 1.

BLACK LANGHANS.

Cocks—Mrs. Edna R. Skilton, Box 189, Bedford, Mass., 1; Paul Pomeroy Ives, Guilford, Conn., 2; J. F. Robinson, 127 West St., So. Weymouth, Mass., 3; Thos. Wilkinson, Methuen, Mass., 4; Thos. Fowler, 331 Ocean Ave., New London, Conn., 5.

Hens—Thos. Wilkinson, 1; Elm Poultry Yards, Hartford, Conn., 2; Ellsworth T. Gibson, Nashua, N. H., 3-4; J. F. Robinson, 5.

Cockerels—Mrs. Edna R. Skilton, 1; J. F. Robinson, 2; Geo. C. Ross, Sayville, N. Y., 3; Ellsworth T. Gibson, 4; Chickatawbut Farm, York St., Canton, Mass., 5.

Pullets—Mrs. Edna R. Skilton, 1; H. M. Hubbell, Warrentown, Va., 2; Thos. Wilkinson, 3; Chickatawbut Farm, 4; Mrs. Chas. A. Nelson, Box 11, Framingham, Mass., 5.

Pens—Mrs. Edna R. Skilton, 1-4; H. M. Hubbell, 2; E. T. Gibson, 3; Paul Pomeroy Ives, 5.

WHITE LANGSHANS.

Cocks—B. B. Munger, East River, Conn., 1.

Hens—Elm Poultry Yards, Hartford, Conn., 1; J. F. Robinson, 127 West St., So. Weymouth, Mass., 2; B. B. Munger, 3.

Pullets—J. F. Robinson, 1; B. B. Munger, 2.

Pens—Paul Pomeroy Ives, Guilford, Conn., 1; B. B. Munger, 2.

BARRED PLYMOUTH ROCKS.

Cocks—Haldie Nicholson, Leominster, Mass., 1-2-6; Henry D. Riley, Strafford, Chester Co., Pa., 3-4; Pittsfield Poultry Farm Co., Pittsfield, Me., 5.

Hens—Henry D. Riley, 1-4-5; C. H. Latham, Lancaster, Mass., 2-3; Brookside Poultry Yards, W. Hartford, Conn., 6.

Cockerels—Henry D. Riley, 1-3; Geo. D. Thompson, Jr., R. 1, Hope, R. I., 2; Wm. W. Carpenter, East Providence, R. I., 4.

Pullets—C. H. Latham, 1-2-3; Henry D. Riley, 4; Pittsfield Poultry Farm Co., 5-6.

Pens—Henry D. Riley, 1-3; Pittsfield Poultry Farm Co., 2; C. H. Shaylor & Son, Lee, Mass., 4; Frank Perall, Winsted, Conn., 5; C. H. Latham, 6.

Pullet-Bred Cocks—C. H. Latham, 1; Pittsfield Poultry Farm Co., 2.

Pullet-Bred Cockerels—C. H. Shaylor & Son, 1; C. V. Cassidy, Lancaster, Mass., 2-3; C. H. Latham, 4; Natt L. Divoll, Bellows Falls, Vt., 5; Pittsfield Poultry Farm Co., 6.

Pullet-Bred Pens—C. V. Cassidy, 1;

Our Mammoth Bronze Turkeys

make a clean sweep at the Great Coliseum Show, Chicago, winning 1st and 2nd cockerel, 2nd, 3rd, 4th and 5th cock, 1st and 5th pullet, 2nd and 3d hen, and the **$100.00 Trophy Cup** given by the National Bronze Turkey Club for the best display. A grand lot of young and yearling stock for sale, including the **Grand Champion Cock at Illinois State Show, 1913.**

JAMES S. MILES & SON -:- -:- PETERSBURG, ILLINOIS

The Latest Improved Brooder Stove

Here's the stove that is meeting with enthusiastic approval of breeders everywhere. The stove that incorporates **ALL the features essential** for successful and economical Colony Brooding—that is **absolutely reliable** under any and all weather conditions—that **will not smoke or throw off fumes.** The stove with a regulator that controls the flow of oil under any possible emergency and keeps the temperature where it should be. **The stove that ventilates** as well as heats your brooder house. The stove that positively eliminates White Diarrhoea. Use a

Duplex Combined Brooder Stove and Ventilator

Three Sizes

50 to 300 Chicks
100 to 800 Chicks
500 to 1500 Chicks



Economical to Install; Profitable to Use.

and you not only get perfect ventilation but you save the time, labor and expense of working out and installing an independent system. It is foolish to try to heat all outside by getting your ventilation through a hole in the roof and side walls when a **Duplex** will give you better results without.

Here's How the Duplex Does the Work

No. 1 is the cold air pipe connecting with the outside. This pipe brings the cold air from the outside into the inner chamber (2) where it is heated before it passes into the brooder room. Note how the air goes down in this chamber, then rises, going up under the deflecting cover, then out into the brooder room proper. 3 is the flue which goes out through the roof and carries off the smoke, fumes, poisonous gases and air off the floor. 4 is the radiating drum through which the heat which is not radiated from the inner and outer heating surface, must pass before it can get out through flue 3. 5 is the fire-box proper. Note the double heating surface. The arrows under the burner show where the air is taken off the floor and carried out of the building through the stove. This makes a perfect circulation of air in the room without the loss of a single heat unit.

The Duplex System of Colony Brooding can be installed with less expense than any other system in use anywhere. Raises enough **MORE** chicks out of the first batch to pay for itself. Efficient and economical. Costs less for fuel and is dependable at all times. Raises chicks as successfully in mid-winter as in May and June.

Help Nature Raise Strong Chicks

YOU cannot raise the chicks. No matter how hard **YOU** try or how much attention **YOU** give your chicks **YOU** cannot raise them. The only thing **YOU** can do is **help.** Nature must do the work. The only way for you to help is to provide conditions which make it possible for Nature to do the work. All that Nature asks for is clean, well ventilated, evenly heated quarters and plenty of room for exercise. These combined with reasonable care in feeding will make it possible for Nature to do the work for YOU. Chicks which Nature raises are always strong and healthy. The easiest way to help Nature is to install the Duplex System.

Every Chick Saved Is a Dollar in Your Pocket

FREE Let us send you our free book "Colony Brooding." Tells all about this wonderful chick-saving system—how to cut the labor and expense in two and increase profits. Write now for special low freight prepaid price and thirty day actual operation guarantee to those who answer this ad.

Duplex Colony Brooder Co.
487 N. Avon St.
Rockford, Ill.



Better read that back inside cover right now. Its a sure base hit

SINGLE AND ROSE COMB REDS

Winners at Cleveland, Indianapolis, Detroit, Mansfield, Lansing. Also in customers' hands in all parts of the country. Stock and eggs of the best quality. Write for prices. Mention American Poultry Journal.

Carl C. Beatty Successor to Bickford & Beatty Van Wert, Ohio

THE BEST IN WHITE RUNNERS

We have bred, sold and exhibited more strictly high class White Runners than any one. Can furnish you winners or selected breeders.

Mrs. U. R. Fishel : Box A : Hope, Indiana

ROUEN DUCKS

Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings.

SWEETBRIAR FARM

Louis B. Schram, Prop. ELBERON, N. J.

Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, half price now. Write for mating list.

Harry Cass -:- Buffalo Hart, Illinois

The Call of the Hen

By WALTER HOGAN

Greatest work ever written on the selection and breeding of poultry for eggs, the fancy, or the market. **Indispensable to the egg producer. Invaluable to the fancier.** Satisfaction guaranteed or money returned. Send $2 to the Sonoma County National Bank, Petaluma, Cal., and get the book, return it after a week if not satisfied and the bank refunds the money

Buy Uhl's Day-Old Chicks

Our 14th Season Hatched 377,000 Last Year

We are the largest and one of the oldest hatcheries in America, and are prepared to turn out more and better chicks than ever before from strictly first-class show and utility stock. Price list free.

WHAT ONE OF OUR CUSTOMERS DID



First Prize Photo for 1913. Gets 100 Chicks. Raised 50 Very Fine Pullets from 100 W. Orpington Chicks.

Stop 20 1-2, Wickliffe, Ohio, Oct. 8, 1912.

M. Uhl & Co.: I am sending you a few pictures of the 100 W. Orpingtons received of you April 10th. I raised 92, only one died from sickness, the rest from overcrowding. Got 42 cockerels and 50 pullets. They are a fine bunch and I get a great many compliments. Even old chicken raisers said right from the start that they were the best day old chicks they had ever seen. To raise 92 of the 100 was beating their record. It is all in the quality, so I am more than pleased. I sold 35 of the cockereis when two months old for $1.50 each. Photos were taken at about four months old. You will hear from me again in the spring.

MRS. E. C. ELLIOT.

M. UHL & CO. - NEW WASHINGTON, OHIO

Pittsfield Poultry Farm Co., 2; C. H. Latham, 3.

Cockerel-Bred Hens—Pittsfield Poultry Farm Co., 1; C. H. Shaylor & Son, 2; Haldie Nicholson, 3-4-5.

Cockerel-Bred Pullets—Natt L. Divoll, 1-2; Henry D. Riley, 3-5; Arthur Tower, Franklin, Mass., 4; Haldie Nicholson, 6.

Cockerel-Bred Pens—Wm. W. Carpenter, 1; Henry D. Riley, 2; Natt L. Divoll, 3; C. H. Shaylor & Son, 4; Haldie Nicholson, 5; Pittsfield Poultry Farms Co., 6.

WHITE PLYMOUTH ROCKS.

Cocks—Bonnie Brook Poultry Farm, Saratoga Springs, N. Y., 1-2; A. H. Harris, East Pepperell, Mass., 3; Chas. W. Pratt, No. Abington, Mass., 4; Wm. E. Wade, Rockland, Mass., 5; Elm Poultry Yards, Hartford, Conn., 6.

Hens—Wm. E. Wade, 1; Bonnie Brook Poultry Farm, 2-5-6; Elms Poultry Yards, 3; Paul G. Springer, Bridgeton, N. J., 4.

Cockerels—Chas. W. Pratt, 1-6; Samuel P. Greene, W. Sayville, N. Y., 2; Bonnie Brook Poultry Farm, 3; Samuel Knowles, Lexington, Mass., 4; Elm Poultry Yards, 5.

Pullets—Samuel Knowles, 1; Bonnie Brook Poultry Farm, 2-5; W. E. Wade, 3-6; Chas. W. Pratt, 4.

Pens—Wm. E. Wade, 1; Mirimichi Poultry Farm, Foxboro, Mass., 2; W. F. Hayward, Southville, Mass., 3; Pittsfield Poultry Farm Co., Pittsfield, Me., 4; Bonnie Brook Poultry Farm, 5; Benj. F. Low, Derry, N. H., 6.

BUFF PLYMOUTH ROCKS.

Cocks—M. J. Corey, Springfield, Mass., 1; Edward A. Carpenter, Slatersville, R. I., 2; Sunnyside Poultry Farm, Bristol, Vt., 3; E. H. Lichenwalter, Girard, Pa., 4; F. W. Cobb, Newton Upper Falls, Mass., 5; J. E. Weatherwax, 14 Oak St., Greenfield, Mass., 6.

Hens—P. W. Noyes, Lock Box 273, New London, Conn., 1; J. E. Weatherwax, 2-3; Sunnyside Poultry Farm, 4; F. W. Cobb, 5.

Cockerels—E. H. Lichenwalter, 1; Howard S. Blankenship, Marion, Mass., 2; Chas. E. Coffin, Olneyville Sta., Providence, R. I., 3; Freier & Lukens, Meriden, Conn., 4; M. J. Corey, Springfield, Mass., 5; P. W. Noyes, 6.

Pullets—Freier & Lukens, 1; Chas. E. Coffin, 2; P. E. Jarvis, Marion, Mass., 3; Sunnyside Poultry Farm, 4; E. H. Lichenwalter, 5; Howard S. Blankenship, 6.

Pens—J. J. Sutten, Derry, N. H., 1.

PARTRIDGE PLYMOUTH ROCKS.

Cocks—Frank R. Sweet, 175 Park St., Attleboro, Mass., 1; Bonaparte Park Poultry Ranch, Bordentown, N. J., 2-5; Frank L. Loyd, Greensburg, Ind., 3-4-6.

Hens—G. S. Buxton, Bellows Falls, Vt., 1; Frank R. Sweet, 2; Frank O. Shepardson, Mansfield, Mass., 3; Bonaparte Park Poultry Ranch, 4; Faye Howe, 56 Draper Ave., Mansfield, Mass., 5; Frank L. Loyd, 6.

Cockerels—Wm. E. Denis, Central Village, Conn., 1; Bonaparte Park Poultry Ranch, 2-3-5-6; Sunset Farm, Aponaug, R. I., 4.

Pullets—Frank R. Sweet, 1; Frank L. Loyd, 2-4-5-6; Frank O. Shepardson, 3.

Old Pen—O. C. Woodward, Plainville, Mass., 1; Bonaparte Park Poultry Ranch, 2; Frank L. Loyd, 3.

Young Pen—Bonaparte Park Poultry Ranch, 1.

SILVER PENCILED PLYMOUTH ROCKS.

Cocks—Bonaparte Park Poultry Ranch, Bordentown, N. J., 1-2-3.

Hens—Bonaparte Park Poultry Ranch, 1-2-3.

Cockerels — Bonaparte Park Poultry Ranch, 1-2-3.

Pullets—Bonaparte Park Poultry Ranch, 1-2-3.

Old Pen — Bonaparte Park Poultry Ranch, 2.

Young Pen—Bonaparte Park Poultry Ranch, 1.

COLUMBIAN PLYMOUTH ROCKS.

Cocks—Geo. H. Dexter, 85 Francis St., Everett, Mass., 1; J. Lingard, 43 Ashton St., Everett, Mass., 2-3.

Hens—Geo. H. Dexter, 1; J. Lingard, 2-3; Howard M. Monroe, Lexington, Mass., 4; Leon A. Moore, 20 Ingleside Ave., Chelsea, Mass., 5-6.

Cockerels—Geo. H. Dexter, 1; Howard M. Monroe, 2; Paul G. Springer, Bridgeton, N. Y., 3; J. Lingard, 4-6; Mrs. Chas. H. Price, Everett, Mass., 5.

Pullets—Mrs. Chas. H. Price, 1; Howard M. Monroe, 2; Geo. H. Dexter, 3; Paul G. Springer, 4; J. Lingard, 5-6.

Pens—Howard M. Monroe, 1; J. Lingard, 2.

SILVER WYANDOTTES.

Cocks—R. G. Williams, Barre, Mass., 1; Wood & Freeman, R. F. D. 1, Fitchburg, Mass., 2; Redington Fiske, 50 Congress St., Boston, Mass., 3; F. S. Hubbard, Box

253, Meriden, Conn., 4-5; Geo. Carter Chaney, Leominster, Mass., 6.
Hens—R. G. Williams, 1-2-4; F. S. Hubbard, 3; Wood & Freeman, 5; M. Adelman, Norwood, Mass., 6.
Cockerels—R. G. Williams, Barre, Mass., 1-4; F. S. Hubbard, 2-5; M. Adelman, 3; Wood & Freeman, 6.
Pullets—F. S. Hubbard, 1-6; Wood & Freeman, 2; M. Adelman, 3; Mrs. E. J. Robinson, 4; R. G. Williams, 5.
Pens—R. G. Williams, 1; F. S. Hubbard, 2; Wood & Freeman, 3-4-5.

GOLDEN WYANDOTTES.

Cocks—Loren H. Brown, Lunenburg, Mass., 1-2-4-5; O. P. Chase, Andover, Mass., 3-6.
Hens—Loren H. Brown, 1-3-6; O. P. Chase, 2-5; Geo. Carter Chaney, Leominster, Mass., 4.
Cockerels—Loren H. Brown, 1-2-4-5; O. P. Chase, 3-6.
Pullets—Loren H. Brown, 1-3-4-5; O. P. Chase, 2-6.
Pens—Loren H. Brown, 1.

WHITE WYANDOTTES.

Cocks—Jos. Russell, 437 Jarvis St., Toronto, Can., 1-5-6; A. Geoffrey Smith, Mattapan, Mass., 2-3; West Mountain Poultry Yards, Naugatuck, Conn., 4.
Hens—Joe Russell, 1-2-4; H. J. Fay, Westborough, Mass., 3; Fred E. Noyes, Curtis St., Marlboro, Mass., 5; Horace W. Holton, Maplewood, Mass., 6.
Cockerels—J. Jahnle, Cottage St., Natick, Mass., 1; H. J. W. Fay, 2; Jos. Russell, 3-6; John F. Hollis, No. Abington, Mass., 4; West Mountain Poultry Yards, 5.
Pullets—Jos. Russell, 1-2; Onlya Farm, Forham Park, N. J., 3; Geo. E. Mann, Guilford, Vt., 4; J. Jahnle, 5; Horace W. Holton, 6.
Pens—Jos. Russell, 1-3-5; West Mountain Poultry Yards, 2; Onlya Farm, 4; Geo. H. Pollard, Greenbush, Mass., 6.

BLACK WYANDOTTES.

Cocks—Alfrecha Meadows, Rutland, Vt., 1; Frank C. Sites, North Dover, Ohio, 2-3.
Hens—Frank C. Sites, 1-4; Alfrecha Meadows, 2-3.
Cockerels—Alfrecha Meadows, 1-2-4-5-6; Frank C. Sites, 3.
Pullets—Frank C. Sites, 1-3; Alfrecha Meadows, 2-4.

BUFF WYANDOTTES.

Cocks—Mrs. C. T. Douglass, Lowell, Mass., 1; C. E. Davis, Warner, N. H., 2; Chas. S. Johnson, Easthampton, Mass., 3; Stuart A. Howland, Granville, N. Y., 4; King & Whiting, Box 4, Plainville, Mass., 5.
Hens—Chas. E. Coffin, Olneyville Sta., Providence, R. I., 1; Henry R. Ingalls, Greenville, N. Y., 2; John S. Dunn, 99 Graham St., Gardner, Mass., 3; Stuart A. Howland, 4-5.
Cockerels—Frank M. Hoyt, Melrose, Mass., 1; King & Whiting, Box 4, Plainville, Mass., 2; Arthur Witcock, Sanford, Me., 3; Stuart A. Howland, 4; Chas. S. Johnson, 5.
Pullets—Chas. E. Coffin, 1; Geo. F. Moody, 82 Colonial Ave., E. Lynn, Mass., 2; Chas. S. Johnson, 3; Mrs. C. T. Douglas, 12 Bertram St., Lowell, Mass., 4; Henry R. Ingalls, 5.
Pens—Chas. E. Coffin, 1; Henry R. Ingalls, 2; Wm. H. Cashman, Peabody, Mass., 3.

PARTRIDGE WYANDOTTES.

Cocks—Minch Bros., Bridgeton, N. J., 1; D. S. Strong, Box 14, Middle Haddam, Conn., 2; F. A. Brown, 172 Main St., Brockton, Mass., 3.
Hens—Minch Bros., 1-3; A. G. Thompson, 409 Central St., Franklin, N. H., 2; F. A. Brown, 4.
Cockerels—D. S. Strong, 1; John A. Silvia, Brockton Heights, Mass., 2-4; A. G. Thompson, 3; F. A. Brown, 5; Minch Bros., 6.
Pullets—Minch Bros., 1-3; A. G. Thompson, 2.
Pens—John A. Silvia, 1; A. G. Thompson, 2; Herbert W. Hayes, Waban, Mass., 3.

SILVER PENCILED WYANDOTTES.

Cocks—Castle Farm, Charles River, Mass., 1-2-3; Mrs. E. G. Robinson, Lakeville, Mass., 4; A. L. Hathaway, R. F. D., Abington, Mass., 5; Horace Havemeyer, Stamford, Conn., 6.
Hens—Horace Havemeyer, 1-3-5; A. L. Hathaway, 2; Castle Farm, 4.
Cockerels—Castle Farm, 1-2-4; Horace Havemeyer, 3-5-6.
Pullets—Mrs. E. G. Robinson, 1-2; Horace Havemeyer, 3; A. L. Hathaway, 4-6; Castle Farm, 5.
Pens—Horace Havemeyer, 1-2.

COLUMBIAN WYANDOTTES.

Cocks—Jas. E. Perkins, W. Stoughton, Mass., 1; P. H. O'Brien, Box 44, Southville, Mass., 2; Geo. H. Morse, 3 Bartlett St., W. Roxbury, Mass., 3; Harwood Farms, Littleton, Mass., 4; Elmer F. Benson, 23 Quincy Pl., Whitman, Mass., 5; Chas. H. Denison, 27 Gravel St., Mystic, Conn., 6.
Hens—Elmer F. Benson, 1; Milan A. Brayton & Son, Fall River, Mass., 2.
Cockerels—Jas. E. Perkins, W. Stoughton, Mass., 1; W. W. Welch, Milford, N. H., 2; Rhoda G. Packard, Arnolds Mills, R. I., 3; Harwood Farm, Littleton, Mass., 4-5; Elmer F. Benson, 6.
Pullets—Ralph Woodward, Grafton, Mass., 1; Geo. H. Morse, 2; Jas. E. Perkins, 3; Harry L. Freeman, So. Duxbury, Mass., 4; Harwood Farm, 5; J. E. Wight, 132 Bacon St., Natick, Mass., 6.
Old Pen—Jas. E. Perkins, 1; Ralph Woodward, Grafton, Mass., 2; Andrew Bray, Willimantic, Conn., 4.
Young Pen—Harwood Farm, 1; Geo. E. Noyes, Newburyport, Mass., 5.

BLUE WYANDOTTES.

Cocks—Chas. W. Smith, Fall River, Mass., 1.
Pullets—Chas. W. Smith, 1.

AMERICAN DOMINIQUES.

Cocks—A. Q. Carter, Freeport, Me., 1-3; F. E. Fowler, 120 Cook Ave., Meriden,

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Conn., 2-5; W. M. Shaylor, Agawam, Mass., 4.

Hens—F. E. Fowler, 1-2; A. Q. Carter, 1-4-5.

Cockerels—A. Q. Carter, 1-5; F. E. Fower, 2; C. C. Rathburn, Gardner, Mass., 3-4; W. M. Shaylor, 6.

Pullets—A. Q. Carter, 1-3-4; F. E. Fower, 2-5.

Pens—A. Q. Carter, 1.

S. C. RHODE ISLAND REDS.

Cocks—United Breeders, Inc., 324 Pond St., Braintree, Mass., 1; F. C. Eldridge, Bourne, Mass., 2; Lester Tompkins, Concord, Mass., 3-5-6; Harold Tompkins, Concord, Mass., 4.

Hens—Lester Tompkins, 1-6; Jos. Russell, 437 Jarvis St., Toronto, Can., 2-3; United Breeders, Inc., 4; Harold Tompkins, 5.

Cockerels—Peter G. Allendorf, Ellis, Mass., 1; Jos. Russell, 2; F. C. Eldridge, 3; Lester Tompkins, 4; Leon A. Moore, 20 Ingleside Ave., Chelsea, Mass., 5; J. C. Stevens, West Springfield, Mass., 6.

Pullets—Lester Tompkins, 1-5-6; Capen Bros., Bloomfield, Conn., 2; Harold Tompkins, 3; United Breeders, Inc., 4.

Old Pen—Harold Tompkins, 1; Lester Tompkins, 2-5; Ed. W. Cunningham, Exeter, N. H., 6.

Young Pen—Harold Tompkins, 1.

R. C. RHODE ISLAND REDS.

Cocks—Red Feather Farm, Tiverton, 4 Corners, R. I., 1; United Breeders, Inc., 324 Pond St., So. Braintree, Mass., 2-5; A. Eugene Elden, Ash St., W. Bridgewater, Mass., 3; A. C. Morehouse, 183 Lothrop St., Beverly, Mass., 4; Lester Tompkins, Concord, Mass., 6.

Hens—Red Feather Farm, 1; United Breeders, Inc., 2-4; Ontario View Poultry Yards, Oneida, N. Y., 5; Jos. Russell, 437 Jarvis St., Toronto, Can., 6.

Cockerels—Lester Tompkins, 1; United Breeders, Inc., 2-4-5; Harold Tompkins, Concord, Mass., 3; Joseph Russell, 6.

Pullets—Jos. Russell, 2-4; A. Eugene Alden, 3; United Breeders, Inc., 6.

Old Pens—Harold Tompkins, 1; Red Feather Farm, 2; Lester Tompkins, 3; Ontario View Poultry Yards, 5.

Young Pens—United Breeders, Inc., 1; Harold Tompkins, 4.

WHITE DORKINGS.

Cocks—J. H. Warrington, Cornwall, Ont., Can., 1.

Hens—J. H. Warrington, 1.

Cockerels—J. H. Warrington, 1.

Pullets—J. H. Warrington, 1.

COLORED DORKINGS.

Cocks—J. H. Warrington, Cornwall, Ont., Can., 1.

Hens—J. H. Warrington, 1.

Cockerels—J. H. Warrington, 1.

Pullets—J. H. Warrington, 1.

SILVER GREY DORKINGS.

Cocks—John E. Hall, 182 Summer St., Somerville, Mass., 1.

Hens—C. M. Weld, Readville, Mass., 1-2-4; John E. Hall, 3; H. M. Aldrich, 20 Lincoln St., Lexington, Mass., 5.

Cockerels—C. M. Weld, 1; John E. Hall, 2; H. M. Aldrich, 3.

Pullets—C. M. Weld, 1-2-3; John E. Hall, 4; H. M. Aldrich, 5.

S. C. BUFF ORPINGTONS.

Cocks—Sunswick Poultry Farm, So. Plainfield, N. J., 1-4; G. E. Bessom, 41 Union St., Mansfield, Mass., 2; Wm. Cook & Sons, Scotch Plains, N. J., 3; C. E. Seigel, 68 Daniel Ave., Olneyville, R. I., 5; Mrs. E. S. Everett & Son, No. Attleboro, Mass., 6.

Hens—Chas. E. MacNear, Ashland, Mass., 1; G. E. Bessom, 2; Mrs. E. S. Everett & Son, 3-6; Wm. Cook & Sons, 4; Chas. McGee, Marlboro, Mass., 5.

Cockerels—G. E. Bessom, 1; C. A. Wight, Medway, Mass., 2; Mrs. E. S. Everett & Son, 3; J. C. Reid, East Dedham, Mass., 4; Sunswick Poultry Farm, 5-6.

Pullets—G. E. Bessom, 1; Sunswick Poultry Farm, 2-4-5; Chas. N. MacNear, 3-6.

Pens—Sunswick Poultry Farm, 1; Wm. Cook & Sons, 2; Mrs. E. S. Everett & Son, 3-4.

S. C. BLACK ORPINGTONS.

Cocks—Maplehurst Farms, Kingston, R. I., 1-5; Chas. MacNear, Ashland, Mass., 2; Wm. Cook & Sons, Scotch Plains, N. J., 3; J. E. Johnson, 6 Reservoir St., Winchester, Mass., 4; W. E. Poch, 11 Walnut St., Atlantic, Mass., 6.

Hens—Maplehurst Farms, 1-4; Chas. MacNear, 2-3; Frank C. Sites, North Dover, Ohio, 5; Wm. Cook & Sons, 6.

Cockerels—Roy A. Davenport, Fall River, Mass., 1; Maplehurst Farms, 2-3; Chas. MacNear, 4-5; Wm. Cook & Sons, 6.

Pullets—Roy A. Davenport, 1; Maplehurst Farms, 2-3; Edward H. Hemenway, Manchester, N. H., 4; Chas. MacNear, 5; Wm. Cook & Sons, 6.

Pens—Maplehurst Farms, 1; Kenilworth Poultry Yards, Holyoke, Mass., 2; Wm. Cook & Sons, 3; H. A. Slade, Chelsea, Mass., 4.

BLUE ORPINGTONS.

Cocks—Haldie Nicholson, Leominster, Mass., 1-2-3; W. H. Depper, So. Lincoln, Mass., 4-5; C. W. Freeman, 464 Broadway, Chelsea, Mass., 6.

Hens—Blythewood Poultry Yards, Mt. Kisco, N. Y., 1; C. W. Freeman, 2; C. O. Drown, 129 Webb St., Weymouth, Mass., 3; Haldie Nicholson, 4-6; W. H. Depper, 5.

Cockerels—Haldie Nicholson, 1-2; W. H. Depper, 3; H. E. Challis, Plaistow, N. H., 4-6; Blythewood Poultry Yards, 5.

Pullets—Haldie Nicholson, 1-5; Blythewood Poultry Yards, 2-3; H. E. Challis, 4; Chas. Longbottom, Plymouth, Mass., 6.

Pens—W. H. Depper, 1; Wm. Cook & Sons, 2.

S. C. WHITE ORPINGTONS.

Cocks—Maurice F. Delano, Vineyard Haven, Mass., 1-6; The Cande Farm, Pittsfield, Mass., 2; Eugene Sites, Elyria, Ohio, 3; Max. H. Schreiter, 258 Main St., Walpole, Mass., 4; Wm. Cook & Sons, Scotch Plains, N. J., 5.

Hens—Maurice F. Delano, 1; H. M. & G. H. Austin, Norway, Me., 2-4; Colonial Farm, Temple, N. H., 3; L. E. Pierce, Manchester, Vt., 5; Irving W. Pillon, 9 Stebens St., So. Lawrence, Mass., 6.

Cockerels—Colonial Farm, 1; Maurice F. Delano, 2-3-5; Wm. Cook & Sons, 4; Wood-

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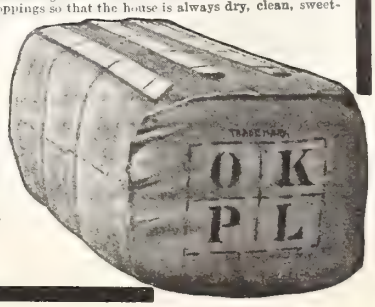
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Pens—Maurice F. Delano, 1; Ernest L. Foss, Portland, Me., 2; Harold E. Chadburn, No. Berwick, Me., 3; Colonial Farm, 4; O. T. Curtis, No. Woburn, Mass., 5; Jefferson Miller, Oneida, N. Y., 6.

R. C. WHITE ORPINGTONS.

Cocks—Waldo Richardson, Apponaug, R. I., 1.
Hens—Waldo Richardson, 1.
Cockerels—Albert H. Whittaker, Oldtown, No. Attleboro, Mass., 1-3-4; Waldo Richardson, 2.
Pullets—Waldo Richardson, 1.
Pens—Lambert Poultry Farm, Haverhill, Mass., 1.

A. O. V. ORPINGTONS.

Cocks—C. O. Drown, 129 Webb St., Weymouth, Mass., 1.
Hens—C. O. Drown, 1.
Cockerels—Haldie Nicholson, Leominster, Mass., 1.
Pullets—Haldie Nicholson, 1.

CRESTED WHITE ORPINGTONS.

Hens—H. W. Tinkham, 16 Montello St., Campello, Mass., 1-2-3-4.
Cockerels—H. W. Tinkham, 1-2-3-4.
Pullets—H. W. Tinkham, 1-2-3-4.

BUCKEYES.

Cocks—John C. Steitz, Wareham Point, Conn., 1-2; Elton C. Mahon, Norwood, Tenn., 3-4; Chas. R. Wheeler, Manchester, Conn., 5; Fred B. Harris, 10 Main St., Woburn, Mass., 6.
Hens—Geo. L. Bradley, Xenia, Ohio, 1; Chas. R. Wheeler, Manchester, Conn., 2-5; Fred B. Harris, 3; Elton C. Mahon, 4; John C. Steitz, 6.
Cockerels—Chas. R. Wheeler, 1-6; Geo. L. Bradley, 2; John C. Steitz, 3; Fred W. Proctor, No. Brookfield, Mass., 4; Sam Knapton, Auburn, Mass., 5.
Pullets—Old Oak Poultry Yards, Buckland, Conn., 1; John C. Seitz, 2; Elton C. Mahon, 3-4-5; Fred B. Harris, 6.
Pens—Elton C. Mahon, 1.

S. C. BROWN LEGHORNS.

Cocks—Grove Hill Poultry Yards, Waltham, Mass., 1-2; Williams Bros. & Brace, Fullington, Calif., 3-6; H. F. Becker, Waterloo, Ont., Can., 5.
Hens—Grove Hill Poultry Yards, 1-3; Harry W. Weeks, 32 Elm St., Framingham, Mass., 2-4-6; H. F. Becker, 5.
Cockerels—Grove Hill Poultry Yards, 1-2-3; Harry W. Weeks, 4; H. F. Becker, 5-6.
Pullets—Grove Hill Poultry Yards, 1-2-3; Harry W. Weeks, 4; H. F. Becker, 5-6.
Pens—Grove Hill Poultry Yards, 1; Strawberry Hill Poultry Yards, Richmond, Va., 2; Harold B. Dorman, Bridgeport, Conn., 3; John F. Cain, Clinton, Mass., 4.

R. C. BROWN LEGHORNS.

Cocks—Nathan B. Hartford, Bournedale, Mass., 1; Wm. Hipkins, 55 Third Ave., Scottdale, Pa., 2; Turtle Point Farms, Saratoga Springs, N. Y., 3.
Hens—Wm. Hipkiss, 1-2-4; Turtle Point Farms, 3-5-6.
Cockerels—Turtle Point Farms, 1-2-3.
Pullets—Turtle Point Farms, 1-3-4; Wm. Hipkiss, 2.
Pullet-Bred Pens—Turtle Point Farm, 1.

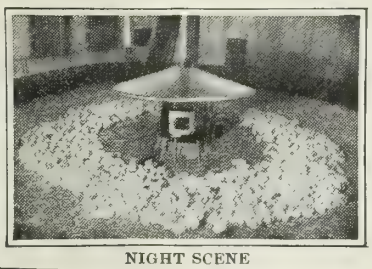
S. C. WHITE LEGHORNS.

Cocks—Bonnie Brook Poultry Farm, Saratoga Springs, N. Y., 1-6; Elm Poultry Yards, Hartford, Conn., 2; Rancocas Poultry Farms, Browns Mills, N. Y., 3-4-5.
Hens—Rancocas Poultry Farms, 1-2; Elm Poultry Yards, 3-4; Bonnie Brook Poultry Farm, 5-6.
Cockerels—Geo. A. Renssler, Peabody, Mass., 1; Rancocas Poultry Farm, 2-4-6; Chas. E. Waterhouse, Upper Swampscott, Mass., 3; Bonnie Brook Poultry Farm, 5.
Pullets—Elm Poultry Yards, 1-2; Rancocas Poultry Farms, 3-5-6; Bonnie Brook Poultry Farm, 4.
Pens—Skylands Farm, Sterlington, N. Y., 1-2; Bonnie Brook Poultry Farm, 3-4; Fred Prue, Box 315, Berwick, Me., 5; Everlay Farm, Methuen, Mass., 6.

R. C. WHITE LEGHORNS.

Cocks—Turtle Point Farms, Saratoga Springs, N. Y., 1-2.
Hens—Turtle Point Farm, 1-2; B. M. Thornburg, Magnolia, Mass., 3.
Cockerels—Turtle Point Farms, 1-2-3.
Pullets—Turtle Point Farms, 1-2-3.

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Fresh Air and **Economy** combined. No crowding; no chilling; no overheating. Makes **Successful Brooding** possible. Write for free catalogue of this wonderful Brooder Stove.

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Hayward; Cal., and Dayton, Ohio

THE WORLD'S BEST
S. C. Buff Orpingtons

Winners for years at Chicago, Pittsburgh and Cleveland. Winners from coast to coast in customers' exhibits. Improve your matings with one of our males.

25 Pens Mated for the Egg Trade

Headed by these and other winners, birds of grand type, even Golden Buff to the skin, and fine head points. These pens will also contain many prize winning females. Mating list free on application.

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Carver's Red Farm No. 1 devoted exclusively to Rhode Island Reds. Carver's Red Farm No. 2 devoted exclusively to Red Sussex. Carver's Red Farms, P. O. Address, Seville, Ohio.

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The Queens of Egg Layers

They lay and win for me and my customers, they will certainly lay and win for you and yours. Descriptive booklet and egg price list free. Try my strain. Breed these egg manufacturers.

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THE ORIGINAL POULTRY MUSTARD
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S. C. W. LEGHORNS
AND PEKIN DUCKS

Again we win more prizes than all our competitors combined. 24 specials, 31 firsts, 28 seconds, 8 silver cups at Rochester Industrial Exposition and Poughkeepsie. Our stock wins for us, let us sell you guaranteed winners. Stock for sale at all times.

MAPLEWOOD POULTRY YARDS
H. W. Hayner, Supt. **Attica, New York**

Pens—Turtle Point Farm, 1; B. M. Thornburg, 2.

BUFF LEGHORNS.

Cocks—J. E. Weatherwax, Greenfield, Mass., 1; Geo. S. Whittemore, Leicester, Mass., 2; Fitz Farm, Chester, N. H., 3.

Hens—Miss Adelia P. Wilcox, Mystic, Conn., 1; J. E. Weatherwax, 2; Fitz Farm, 3-4; Geo. S. Wittemore, 5.

Cockerels—Miss Adelia P. Wilcox, 1-2; Ed. F. Fisher, 228 East Ave., Hagerstown, Md., 3; Fitz Farm, 4-5.

Pullets—Ed. F. Fisher, 1; Whitestone Poultry Farm, Tenth Ave., Whitestone, L. I., N. Y., 2; Miss Adelia P. Wilcox, 3; Fitz Farm, 4; Geo. S. Wittemore, 5; Wm. F. Chisholm, No. Reading, Mass., 6.

Pens—Wm. Lindorff, Whitestone, L. I., N. Y., 1; Martin F. Fielder, Passaic, N. J., 2; Fitz Farm, 3.

BLACK LEGHORNS.

Cocks—Turtle Point Farms, Saratoga Springs, N. Y., 1-3; J. T. Kelleher, Springfield, Mass., 2.

Hens—J. T. Kelleher, 1; Turtle Point Farms, 2-3.

Cockerels—Turtle Point Farms, 1-3-4; J. T. Kelleher, 2.

Pullets—Turtle Point Farms, 1-3-4; J. T. Kelleher, 2.

R. C. BUFF LEGHORNS.

Cocks—J. E. Skellie, Cambridge, N. Y., 1.

Hens—W. G. Freeman, Bellows Falls, Vt., 1.

Cockerels—J. E. Skellie, 1; Ed J. Turner, Springvale, Me., 2; W. G. Freeman, 3.

Pullets—J. E. Skellie, 1.

BLUE LEGHORNS.

Cocks—Copeland & Richards, Dexter, Me., 1.

Hens—Copeland & Richards, 1-2.

SILVER LEGHORNS.

Hens—Turtle Point Farm, Saratoga Springs, N. Y., 1.

Pullets—Turtle Point Farm, 1.

S. C. BLACK MINORCAS.

Cocks—Wm. A. Smith, Metuchen, N. J., 1-3; Harry C. Tolman, Stoughton, Mass., 2; Norman Harrington, Holyoke, Mass., 4; J. F. Tobin, 24 Lawson Rd., Wollaston, Mass., 5.

Hens—Wm. A. Smith, 1-3; Stuart & Magee, 97 Constitution St., Bristol, R. I., 2; Norman Harrington, 4; Leo Coyle, 141 Coyle Ave., Pawtucket, R. I., 5.

Cockerels—Wm. A. Smith, 1-2-3; Norman Harrington, 4; Stuart & Magee, 5.

Pullets—Wm. A. Smith, 1-2-4; Dr. B. F. Hovenstadt, 19 Temple Pl., Boston, Mass., 3; Stuart & Magee, 5.

Pens—Wm. A. Smith, 1; Harry C. Tolman, 2; R. E. Coolridge, Hudson, Mass., 3.

R. C. BLACK MINORCAS.

Cocks—Hareld S. Bradford, Concord, Mass., 1-4; A. M. Moody, Westford, Mass., 2; T. A. McKittrick, Hudson, N. Y., 3-5.

Hens—T. A. McKittrick, 1-2-3; A. M. Moody, 4; Stuart & Magee, 97 Constitution St., Bristol, R. I., 5.

Cockerels—Stuart & Magee, 1; T. A. McKittrick, 2; Calvin H. Lee, 15 Summer St., Hyde Park, Mass., 3-4; A. M. Moody, 5.

Pullets—A. M. Moody, 1; Stuart & Magee, 2; Calvin H. Lee, 3; T. A. McKittrick, 4; Harry C. Tolman, Stoughton, Mass., 5.

Pens—A. M. Moody, 1.

Gensemer's Campines

have the winning habit. **At the Cleveland, Ohio, Show,** held January 5 to 10, we won on Goldens 1st Cockerel, 1st Hen, 1st and 3d Pullets. 1st, 2nd and 3d Pens, and Silver Cup for best display. On Silvers, 1st Pullet, 2nd Cock, 1st and 3d Pens, and Silver Cup for best display.

At Chicago, in December, our Goldens won 1st and 3d Cockerels, 1st Hen, 1st, 2nd and 4th Pullets, 2nd and 3d Pens. On Silvers, 1st and 4th Cock Birds and 5th Cockerel. **Write for Catalogue and Mating List.**

GENSEMER BROS. -:- -:- -:- **CRESTON, OHIO**

GOLDEN SILVER CAMPINES FAVEROLLES WHITE BUFF

All blood from the best breeders in the world. We have stock for sale (excepting Buff Favorolles). Will sell a few settings of Buff Favorolle eggs at $15 per 15. To introduce our Campines and White Favorolles we shall sell eggs at a very low price. Our matings are small and few, but of highest quality. Eggs, $5 per 15 (no discount). We guarantee 10 chicks to a setting. We are ready now to ship eggs to our Southern customers.

AUG. D. ARNOLD **BOX 777** **DILLSBURG, PENNSYLVANIA**

"Aristocrat" Reds at Madison Square Garden Win First Cockerel and First Pen

Six "ARISTOCRATS" entered, every bird participating in FIRST PRIZE HONORS. First Cockerel winning Special Prize for **BEST RED HATCHED** in 1913, **both combs competing.** "Aristocrats" won every First Prize contested for at Madison Square Garden and Cleveland. The most clean-cut BLUE RIBBON VICTORY in our history. Send for FREE Mating List, showing our "Garden" winners. We have the First Pen Cockerel photographed in natural colors by the new French process, not retouched, showing him exactly as he appeared in his coop. His color is acknowledged to be exactly right. A picture every breeder should have. Sent postpaid for 5 cents in stamps. **Breeding cocks, cockerels and hens for sale.**

IRA M. CROWTHER - **BOX A** - **WILLOUGHBY, OHIO**

NONPAREIL

Barred Plymouth Rocks

Win at the Great N. Y. Palace Show

With 213 birds competing of the usual **New York Quality,** our birds won **First Prize Hen** and **Sweepstake Championship Special Medal for Best Hen in the entire Show;** Special for best shaped Female; **Second** Cock; **Second** Cockerel; Fifth Pullet; **Special First** Pullet-bred Pen; **Special Second** Cockerel-bred Pen; **Special Second** Pullet-bred Cock; **Special Third** Pullet-bred Cockerel; **Special First** Cockerel-bred Hen, **Special First** Cockerel-bred Pullet.

Spratts Silver Cup for Best Exhibit; Special Champion Female, etc.

Line Bred Since 1883

and winners at Boston, Philadelphia, Chicago, Washington, Toronto, etc., of over 1200 Prizes in our own hands. This year they are better than ever. We have a large stock of quality birds and can supply your wants. Mated Trios and Pens a Specialty. **Write your wants and get our prices.**

Eggs For Hatching

From the **Best Pens** we have ever mated at **$5.00** per setting straight. Send for our descriptive mating list, it's free, write now. When writing mention Am. Poultry Journal.

SCHWAB BROS. BOX 451 IRONDEQUOIT, N. Y.

BLUE ANDALUSIANS.

Cocks—J. E. Bliss, Clinton, Conn., 1-4; W. Orlando Jennings, 46 Canal St., Boston, Mass., 2; Miss Rose Elizabeth Wood, Box 11, Waterbury, Conn., 3; V. H. Conneill, Warrenton, Va., 5.

Hens—W. Orlando Jennings, 1; J. E. Bliss, Clinton, Conn., 2-3.

Cockerels—W. Orlando Jennings, 1; V. H. Conneill, 2; Thos. F. Sleet, Lynn, Mass., 3; J. E. Bliss, 4-5.

Pullets—W. Orlando Jennings, 1; Thos. F. Sleet, 2; J. E. Bliss, 3-4-5.

Pens—J. E. Bliss, 1.

BLACK SPANISH.

Cocks—R. A. Rowan, Los Angeles, Cal., 1-2-3-4-5.

Hens—R. A. Rowan, 1-2-3-4-5.

Cockerels—R. A. Rowan, 1-2-3-4-5.

Pullets—R. A. Rowan, 1-2-3-4-5.

MOTTLED ANCONAS.

Cocks—Blythewood Poultry Yards, Mt. Kisco, N. Y., 1; Farnham Homestead, 116 Randolph St., So. Weymouth, Mass., 2-3.

Hens—Farnham Homestead, 1-3; C. A. Martin, Derry, N. H., 2-4; Blythewood Poultry Yards, 5.

Lewis C. Strang, Weymouth Heights, E. Weymouth, Mass. (R. C.), hen.

Cockerels—Marshall C. Blanchard, Manchester, N. H., 1; Farnham Homestead, 2-3; Blythewood Poultry Yards, 5.

Lewis C. Strang (R. C.), 1-4.

Pullets—Geo. L. Bishop, 209 Prospect St., St. Lawrence, Mass., 1; Farnham Homestead, 2-5; C. A. Martin, Derry, N. H., 4.

Lewis C. Strang, 1-3 (R. C.).

Pens—C. A. Martin, 1.

HOUDANS.

Cocks—G. Harvey Springman, 1019 E. Third St., Williamsport, Pa., 1; Fred L. Woolner, 421 Massasoit Rd., Worcester, Mass., 2; J. L. Metzler, Findlay, Ohio, 3; E. A. Wight, Bolsters Mills, Me., 4; John R. Taylor, 14 Jackson St., Laconia, N. H., 5; Minnie Blagden, Rowley, Mass., 6.

Hens—Jas. Abenethy, West Pembroke, Me., 1; Wheat Bros., Treadwell, N. Y., 2; W. H. Bassett, Chesire, Conn., 4; J. L. Metzler, 5-6.

Cockerels—J. L. Metzler, 1; W. F. Bast, 14 Marshall St., Phillipsburg, N. J., 2-4; Dr. G. G. Billman, Sullivan, Ind., 3; E. A. Wight, 5; W. H. Bassett, 6.

Pullets—W. F. Bast, 1-2; Dr. G. G. Billman, 3-4; J. L. Metzler, 5; N. L. Deming, Litchfield, Conn., 6.

Pens—Jas. Abernethy, 1; E. A. Wight, 2-5; J. L. Metzler, 3; Mrs. A. B. MacGregor, Dover, Mass., 4; W. F. Bast, 6.

BLUE HOUDANS.

Cocks—John C. Kriner, Stettlersville, Pa., 1.

Hens—John C. Kriner, 1.

Cockerels—John C. Kriner, 1.

Pullets—John C. Kriner, 1.

W. C. BLACK POLISH.

Cocks—Wm. G. Minch & Son, Carlisle, Pa., 1; Frank L. Andrews, Fall River, Mass., 2-5; Chas. L. Seeley, Afton, N. Y., 3-6; J. Uher, 1577 E. 118th St., Cleveland, Ohio, 4.

Hens—Will J. Kelley, Cambridge, N. Y., 1; J. Uher, 2; Frank L. Andrews, 3-4-6; John Lock, Baltimore, Md., 5.

Cockerels—Frank L. Andrews, 1; Will J. Kelley, 2-3-6; Chas. E. Smith, 261 New Boston Rd., Fall River, Mass., 4; Chas. L. Seely, 5.

Pullets—John Lock, 1; Will J. Kelley, 2-6; Chas. L. Seely, 3-4; Frank L. Andrews, 5.

Pens—Chas. L. Seely, 1-4; Frank L. Andrews, 2-3.

GOLDEN POLISH.

Cocks—Braun Bros., Syracuse, N. Y., R. F. D. 2, Sta. A, 1; Old Oak Poultry Yards, Buckland, Conn., 2.

Hens—Old Oak Poultry Yards, 1-2; Braun Bros., 3.

Cockerels—Old Oak Poultry Yards, 1.

SILVER POLISH.

Cocks—Wm. G. Minich & Son, Carlisle, Pa., 1; Braun Bros., Syracuse, N. Y., R. F. D. 2, Sta. A, 2.

Hens—Braun Bros., 1; Wm. G. Minich & Son, 2.

Cockerels—Wm. G. Minich & Son, 2.

Pullets—Wm. G. Minich & Son, 1; Braun Bros., 2.

Pens—Wm. G. Minich & Son, 1.

WHITE POLISH.

Cocks—Braun Bros., Syracuse, N. Y., R. F. D. 2, Sta. A, 1; John C. Kriner, Stettlersville, Pa., 2-3.

Hens—John C. Kriner, 1-2; Braun Bros., 3.

Pens—John C. Kriner, 1.

BEARDED GOLDEN POLISH.

Cocks—Braun Bros., Syracuse, N. Y.,

WINGOLD BUFF ORPINGTONS -- Latest Sensational Winnings

At Buffalo, Jan. 12-17—2nd, 3rd and 4th Cock, 1st, 2nd and 3rd Hen, 1st, 2nd and 4th Cockerel, 1st, 2nd and 3rd Pullet, 1st and 2nd Pen, cup for best B. O. display, cup for most points on pens English class, and cash special for best display in English class. Also 1st and 2nd Cock on Buff Wyandottes.

Cleveland, Ohio, Dec. 2-7: 1st and 4th Cock; 1st and 3rd Hen; 2nd, 3rd and 4th Cockerel; 1st, 2nd and 4th Pullet; 1st and 3rd Old Pen; 2nd Young Pen. Silver Cup for Best Display Buff Orpingtons. Cash Special and Silver Trophy for Best Display of Orpingtons, all varieties. Egg orders booked now. Mating List ready Feb. 1.

A few very choice Cockerels at $10.00 each.

F. A. POERTNER -:- BOX A -:- BEREA, OHIO

Poley's World's Best Buff Rocks

Again Win First Display at Madison Square Garden, N. Y. Dec. 1913

By winning 1st Cockerel, 1st and 4th Pens, 2nd Pullet, 3rd Hen and shape and color specials. Stock and Eggs always for sale. Write for 1914 mating list.

LINFIELD POULTRY FARM John W. Poley, Prop. LINFIELD, PA.

Hillswood S. C. Reds Win at both N. Y. Shows, Dec. 1913

First prize cockerel, shape special and championship of the whole class at Palace, New York, Show, and third prize cockerel at Madison Square Garden in competition with the world's best, and I am the only exhibitor to receive ribbons in the cockerel class at both of these shows.

THESE WINNINGS HAVE A "STRING OF QUALITY" TO THEM

Grand cockerels of same breeding for sale. Write me your wants. I have mated a few very select pens for the egg trade that should turn out quality chicks.

My Rose Comb Reds have also produced winners.

Eggs from exhibition matings, **$15 for 15.** Choice matings, **$5 for 15.**

ERNST UNDERHILL - MORRIS PLAINS, N. J.



SWASTIKA STRAIN OF SINGLE COMB

WHITE LEGHORNS

ILL. STATE FAIR, AURORA AND DE KALB PRIZE WINNERS

I have six (6) of the finest Matings this year that can be found anywhere, with quality to burn, all headed by prize winning males and mated to produce the very best of the best, ranging in price from $2.50 to $10.00 per setting. Could you ask for more?

You can't get better quality—better TREATMENT—better satisfaction ANYWHERE. Egg orders booked Now. Handsome 1914 Mating List Sent Free.

Stock, Hatching Eggs, Baby Chicks

Read on page 48 Jan. A. P. J. the article, "Are Your Hands Clean," and then write to

SWASTIKA POULTRY YARDS

O. E. FAXON, Prop. Box 543A PLANO, ILLINOIS

BARRED PLYMOUTH

ROCKS

210 Eggs in 259 Days

This was the official record made by one of the females in our pen at the International Egg Laying Contest at Storr's Agricultural College last year. Our five birds in this pen made a record of 836 eggs in 9 months and 11 days of actual laying. Eggs for hatching. Send for catalogue.

MAPLE GRANGE POUL. YARDS
S. M. GOUCHER, MOORESTOWN, N. J.



SINGLE COMB BLACK MINORCAS
AND CANADA'S BEST S. C. REDS

At the American Black Minorca Club Show, 1910-1911 and 1911-1912, I won the club cup for best collection. This, with my wonderful wins at Boston, New York, Guelph, Toronto, and London establishes a show record that has never been equaled on the continent on S. C. Black Minorcas. I won the club cup at Guelph in 1910 and 1911 and sold the birds that won it in 1912 on S. C. Reds. I am anxious to get cleared out and will sell about 25 S. C. cockerels at $2.00 to $5.00, bred from our best blood. I will just have one pen of S. C. Black Minorcas (hens) this season, the best I ever owned, from which I will sell a limited number of eggs at $10 per 15. Also one choice pen of S. C. Reds, $10.00 for 15 eggs. Please send for Sale Catalog and Testimonials. We please our customers.

T. A. Faulds -:- London, Ontario, Canada

President of Black Minorca Club of Canada.

R. F. D. 2, Sta. A, 1; Wm. G. Minich & Son, Carlisle, Pa., 2.
Hens—Wm. G. Minich & Son, 1; Braun Bros., 2.

BEARDED SILVER POLISH.

Cocks—Braun Bros., Syracuse, N. Y., R. F. D. 2, Sta. A, 1; Wm. G. Minich & Son, Carlisle, Pa., 2.
Hens—Wm. G. Minich & Son, 1; Braun Bros., 2.
Cockerels—Wm. G. Minich & Son, 1.
Pullets—Wm. G. Minich & Son, 1-2.

BEARDED WHITE POLISH.

Cocks—Braun Bros., Syracuse, N. Y., R. F. D. 2, Sta. A, 1; John C. Kriner, Stettlersville, Pa., 2-3; S. B. Roy, Worcester, Mass., 4.
Hens—John C. Kriner, 1; S. B. Roy, 2-4-5-6; Braun Bros., 3.
Cockerels—Wm. G. Minich & Son, Carlisle, Pa., 1; S. B. Roy, 2-3.
Pullets—Wm. G. Minich & Son, 1; S. B. Roy, 2-3.
Pens—John C. Kriner, 1.

BEARDED BUFF LACED POLISH.

Cocks—Wm. G. Minich & Son, Carlisle, Pa., 1-2; Braun Bros., Syracuse, N. Y., R. F. D. 2, Sta. A, 3.
Hens—Braun Bros., 1; Wm. G. Minich & Son, 2-3-4-5.
Cockerels—Wm. G. Minich & Son, 1-2; Brook View Farm, Newburyport, Mass., 3.
Pullets—Wm. G. Minich & Son, 1-2-3-4.
Pens—Wm. G. Minich & Son, 1.

PLAIN BUFF LACED POLISH.

Hens—Brook View Farm, Newburyport, Mass., 1.

W. C. BLUE POLISH.

Cockerels—John C. Kriner, Stettlersville, Pa., 1.
Pullets—John C. Kriner, 1.

CREVE COEURS.

Hens—Wm. M. Leighton, 17 Waverly St., Woodfords, Me., 1-2-3.

BLACK HAMBURGS.

Cocks—J. Lovell Little, Jr., 15 Beacon St., Boston, Mass., 1-2-4; Richard Oke, Box 361, London, Ont., Can., 3; Robert C. Morse, 150 School St., Milton, Mass., 5; Endicott P. Saltonstall, Chestnut Hill, Mass., 6.
Hens—Richard Oke, 1-5; Robert C. Morse, 2; J. Lovell Little, 3-4; Endicott P. Saltonstall, 6.
Cockerels—Richard Oke, 1; John Lowell, Chestnut Hill, Mass., 2-3; J. Lovell Little, 4-6; S. H. Fessenden, Chestnut Hill, Mass., 5.
Pullets—J. Lovell Little, 2-3-6; Robert C. Morse, 4-5.
Pens—J. Lovell Little, 1; Robert C. Morse, 2; Lyman Storer, Waltham, Mass., 3; S. H. Fessenden, 4.

GOLDEN SPANGLED HAMBURGS.

Cocks—S. H. Fessenden, Chestnut Hill, Mass., 1-5; John Lowell, Chestnut Hill, Mass., 2-6; Geo. Carter Chaney, 170 Granite St., Leominster, Mass., 3; Richard Oke, Box 361, London, Ont., Can., 4.
Hens—John Lowell, 1-2-4; Richard Oke, 3; S. H. Fessenden, 5-6.
Cockerels—S. H. Fessenden, 1-4; John Lowell, 2-3; Richard Oke, 5.
Pullets—Richard Oke, 1; John Lowell, 2-5-6; S. H. Fessenden, 3-4.
Pens—John Lowell, 1.

SILVER SPANGLED HAMBURGS.

Cocks—Richard Oke, Box 361, London, Ont., Can., 1; C. M. Weld, Readville, Mass., 2; Philip L. Saltonstall, Brush Hill Rd., Hyde Park, Mass., 3-4-6; Wm. L. Allen, 30 Kingsbury Rd., Chestnut Hill, Mass., 5.
Hens—Robert Treat Paine, 16 State St., Boston, Mass., 1-2; Wm. L. Allen, 3-4-5; Philip L. Saltonstall, 6.
Cockerels—Wm. L. Allen, 1; Wm. C. Ritchie, 36 New Bedford St., Hyde Park, Mass., 2; Robert Treat Paine, 3-4; John Lowell, Chestnut Hill, Mass., 5; Philip L. Saltonstall, 6.
Pullets—Wm. L. Allen, 1-2-3-6; Robert C. Morse, 150 School St., Milton, Mass., 4-5.
Pens—Wm. L. Allen, 1; Robert Treat Paine, 2.

GOLDEN PENCILED HAMBURGS.

Cocks—Richard Oke, Box 361, London, Ont., Can., 1.
Hens—Richard Oke, 1.
Cockerels—Richard Oke, 1.
Pullets—Richard Oke, 1.

SILVER PENCILED HAMBURGS.

Cocks—Richard Oke, Box 361, London, Ont., Can., 1; T. Dickson Smith, 53 State St., Boston, Mass., 2.
Hens—Richard Oke, 1; T. Dickson Smith, 2.
Pullets—Richard Oke, 1; John Lowell, Chestnut Hill, Mass., 2; T. Dickson Smith, 3.

SILVER CAMPINES.

Cocks—Geo. S. Thomas, Hamilton, Mass., 1; E. F. Dean, Williamsport, Pa., 2; J. C. Coffin & Co., Sewickley, Pa., 3.
Hens—E. F. Dean, 1; M. R. Jacobus, Ridgefield, N. J., 2; Herman Packard, Brockton, Mass., 3.
Cockerels—G. L. Fish, Wayland, Mass., 1-2; E. F. Dean, 3-6; Frank E. Whiting, Postmaster, Plainville, Mass., 4; H. M. Aldrich, Lexington, Mass., 5.
Pullets—M. R. Jacobus, 1; E. F. Dean, 2-5; J. C. Coffin & Co., 3; G. L. Fish, 4-6.
Old Pens—E. F. Dean, 1; H. M. Aldrich, 2; G. L. Fish, 3.
Young Pen—Fred S. Lycett, Magnolia, Mass., 4.

GOLDEN CAMPINES.

Cocks—E. F. Dean, Williamsport, Pa., 1.
Hens—E. F. Dean, 1; M. R. Jacobus, Ridgefield, N. J., 2.
Cockerels—E. F. Dean, 1-2.
Pullets—Lynn Dodge, Spring St., Afton, N. Y., 1; M. R. Jacobus, 2; E. F. Dean, 3-4; F. R. Shaw, Adams, Mass., 5.
Pens—E. F. Dean, 1.

BUTTERCUPS.

Cocks—Maple Leaf Poultry Yards, Norway, Me., 1; John Ewing, Box 27, Wilson, Conn., 2; Wm. A. Marshall, Rowley, Mass., 3; Mrs. S. J. Nilssons, 16 Trenton St., Brockton, Mass., 4; H. Edward Scott, 239 Woodford St., Portland, Me., 5; Julius E. Eveleth, South Lincoln, Mass., 6.
Hens—L. T. Sturtevant, 230 Adams St., Quincy, Mass., 1-2-4; E. L. R. Perry, Jr., 23 Revere St., Lexington, Mass., 3; John Ewing, 5; Maple Leaf Poultry Yards, 6.
Cockerels—L. T. Sturtevant, 2-6; Maple Leaf Poultry Yards, 3; Chester L. Lane, 69 Center St., Concord, N. H., 4; E. L. R. Perry, 5.
Pullets—W. S. Wetherbee, Middletown,

Carver's Red Farms win at Buffalo, Chicago, N. Y. and Cleveland

CHRISTIE'S
S. C. White and Brown Leghorns

Having been bred for 14 consecutive years, represented all over the world, they stand today without an equal as egg producers, the foundation upon which all branches of the poultry industry hinge. We have been shipping our

S. C. White and Brown Leghorn Day-Old Chicks and Eggs for Hatching

to all parts of the United States and foreign countries for ten years, and during this time we have shipped over 1,000,000 chicks and 800,000 eggs for hatching, and we have yet to find one displeased customer, a record attained by very few. Before placing your order, write today for our illustrated catalogue, and read what thousands of our pleased patrons say in regard to the **World's Greatest Layers.**

"Better Be Right Than Sorry"

S. C. White and Brown Leghorn Chicks, $15 per 100

WAYNE POULTRY FARM F. W. CHRISTIE, Prop. **Box 71, STONY POINT, N. Y.**

Conn., 1; Maple Leaf Poultry Yards, 2-3; L. G. Kibbe, Warren, Mass., 4; L. T. Sturtevant, 5-6.

Pens—E. L. R. Perry, 1; Chas. S. Flanders, Concord, N. H., 2; L. H. Sturtevant, 3; John Ewing, Wilson, Conn., 4; J. W. Barter, Berlin, Mass., 5.

FAVEROLLES.

Cocks—Wm. W. Hall, 1067 Westminster St., Providence, R. I., 1; Dictograph Farm, West Nyack, N. Y., 2.

Hens—Dictograph Farm, 1; Wm. W. Hall, 2.

Cockerels—Wm. W. Hall, 1; Dictograph Farm, 2.

Pullets—Dictograph Farm, 1; Wm. W. Hall, 2.

Pens—Wm. M. Tilton, W. Roxbury, Mass., 1.

LAKENVELDERS.

Cocks—Dr. S. Irving Moody, 213 Prospect St., Brockton, Mass., 1.

Hens—Dr. S. Irving Moody, 1.

Cockerels—Dr. S. Irving Moody, 1.

Pullets—Dr. S. Irving Moody, 1.

BLACK BREASTED RED GAME.

Hens—Mudge & Son, 35 Pleasant St., Westerly, R. I., 1.

Cockerels—Mudge & Son, 1-4; Andrew W. Delano, Attleboro, Mass., 2-3-5.

Pullets—Andrew W. Delano, 1-2-3.

BROWN RED GAME.

Hens—S. B. Roy, Worcester, Mass., 1.

RED PYLE GAME.

Hens—S. B. Roy, Worcester, Mass., 1-2-3-4.

Pullets—S. B. Roy, 1-2-3-4.

Pens—S. B. Roy, 1.

BIRCHEN GAME.

Hens—S. B. Roy, Worcester, Mass., 1.

DARK CORNISH.

Cocks—Frank S. Lindley, 10 Wakefield St., Worcester, Mass., 1; Geo. T. Leigh, 200 Summer St., Boston, Mass., 2; Frank Brown, Marblehead, Mass., 3; Edwin E. Cummings, Antrim, N. H., Box 124, 4.

Hens—Erwin E. Cummings, 1; Frank Brown, 2.

Cockerels—Frank Brown, 1; Erwin E. Cummings, 2.

Pullets—Frank Brown, 1; Erwin E. Cummings, 2.

WHITE CORNISH.

Cockerels—Frank Brown, Marblehead, Mass., 1.

Pullets—Frank Brown, 1.

WHITE LACED RED CORNISH.

Cocks—W. H. Card, Manchester, Conn., 1-6; F. C. Burbank, Sandwich, Mass., 2; La Vergne Dimock, Stafford Springs, Conn., 3-4; Bonnie Brook Poultry Farm, Saratoga Springs, N. Y., 5.

Hens—W. H. Card, 1-4-5; F. C. Burbank, 2; M. K. Thomas, Wallingford, Conn., 3; Bonnie Brook Poultry Farm, 6.

Cockerels—F. C. Burbank, 1; W. H. Card, 2-6; J. Grant Griswold, Hartford, Conn., 3-4; M. K. Thomas, 5.

Pullets—W. L. Loope, Millerton, N. Y., 1-3; F. C. Burbank, 2; W. H. Card, 4-5; La Vergne Dimock, 6.

DARK RED AND BROWN RED GAME.

Cocks—Samuel Thurston, 17 Clark Ave., Rockport, Mass., 1; Leighton & Coolidge, Watertown, Mass., 2-5; Pine Ridge Poultry Farm, G. H. Watson, Milton, Mass., 3; E. S. Daniell, Greenland, N. H., 4; Chester Brook Poultry Farm, Waltham, Mass., 6.

Hens—Leighton & Coolidge, 1-5; Pine Ridge Poultry Farm, 2-3; Emerson & Newell, Weston, Mass., 4.

Stags—Horise F. Field, Mattapoisett, Mass., 1; E. S. Daniell, 2; Pine Ridge Poultry Farm, 3-6; Leighton & Coolidge, 4-5.

Pullets—Pine Ridge Poultry Farm, 1-2; Leighton & Coolidge, 3-4.

PEKIN DUCKS.

Old Drakes—Paul G. Springer, Bridgeton, N. J., 1; H. B. Ellis, West Hanover, Mass., 2.

Young Drakes—White Birch Poultry Farm, Bridgewater, Mass., 1; Paul G. Springer, 2.

Old Ducks—H. B. Ellis, 1; White Birch Poultry Farm, 2; Paul G. Springer, 3.

Young Ducks—Paul G. Springer, 1; White Birch Poultry Farm, 2.

INDIAN RUNNER DUCKS.

Old Drakes—Frank O. Shepardson, Mansfield, Mass., 1; Quincy Farm, Center Harbor, N. H., 2; Mrs. E. A. Handy, Barnstable, Mass., 3; H. B. Ellis, West Hanover, Mass., 4; Copeland & Richards, Dexter, Me., 5.

Young Ducks—H. B. Ellis, 1; Mrs. E. A. Handy, 2; Quincy Farm, 3; Copeland & Richards, 4; Frank O. Shepardson, 5.

J. F. Garrison's Mammoth Light Brahmas

WIN AT ILLINOIS STATE SHOW, 1914

1st Cock, 2nd Hen, 1st Pullet, champion female color and shape special, also 3d Pen. A limited amount of stock for sale. I will sell eggs from four of the greatest pens mated to produce winners to be found in America. **Price of eggs, $3.00, $5.00 and $7.50.** Satisfaction guaranteed. Write for circular.

J. F. GARRISON -:- -:- MT. VERNON, ILLINOIS

Peabody Farms: Crystal Hatcheries

Place orders now for Hatching Eggs and Baby Chicks from our White Feathered, Trap Nested, Heavy Laying Strains of Leghorns, Orpingtons, Rocks and Wyandottes. Ducks, Geese, Turkeys and Guineas. Mallard Ducks. Wild Geese. Pheasants. Breeders for sale.

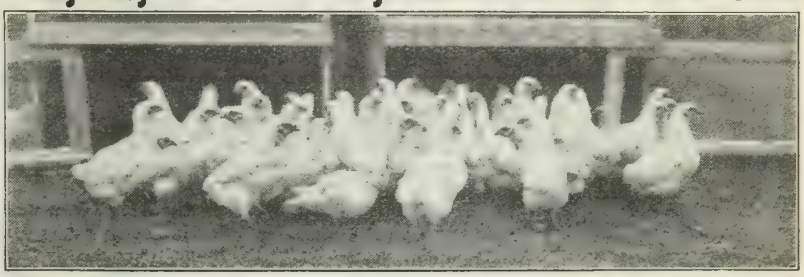
PEABODY FARMS DEPT. A HINSDALE, ILLINOIS

Loyd's Prize-Winning Partridge Rocks

Make two good winnings at two good shows in one week. At Boston we won 3d, 4th and 6th Cock, 6th Hen, 2d, 4th, 5th and 6th Pullet, 3d Pen. Birds were sixty hours on the road and were judged shortly after reaching show room. At Columbus, Ind., we won 2d, 3d and 4th Cock, 2d, 3d and 4th Hen, 1st, 3d and 4th Cockerel, 1st, 3d and 4th Pullet, 1st, 2d, 3d and 4th Pens, cup for best display in Plymouth Rock classes, and cup for largest and best display in show. Coupled with our winnings at Chicago, Cleveland, Cincinnati, Nashville, Indianapolis, etc., leads us to believe we have some good ones. Stock for sale. Eggs after Feb. 10th.

C. J. LOYD & SON - - GREENSBURG, IND.

If I Buy Baby Chicks Will They Mature Into Pullets Like These?



Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs, that's the question before everyone who buys day-old chicks. It is not the first price that counts—but will they be right at maturity ?

Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

From Utility Matings

Will mature into long backed, well made birds, pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

Our Flocks are Vigorous

All Fall our flocks have roamed meadows and woods accumulating health and vigor. They are now in Winter quarters so full of life and vitality that their chicks will be strong and sturdy.

Here is the Caldwell Selling Plan

We are now booking orders for "Baby Chicks of Quality" for Spring delivery. We never have been in such fine shape to handle orders of any size. Our fine plant is fully stocked with the finest birds we ever owned of both utility and exhibition quality. An early placed order enables us to so arrange our hatchings that we save money. By your faith you are entitled to that saving so we will allow you discounts for early placed orders, the earlier the greater the discount. **Safe arrival of chicks is guaranteed.**

A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

R. C. Caldwell : Box 1021 : Lyndon, Ross County, Ohio

EG-O — MILK — ALBUMEN

MAKES MORE AND LARGER - EGGS - BIGGER AND BETTER CHICKS

55 to 60 Per Cent Protein

MADE FROM MILK

Unequalled as an Egg Producer

INNIS SPEIDEN & CO.

Established 1816

120 W. Kinzie Street, -:- Chicago, Illinois

Send for Circulars Address Room 100

ENGLISH PENCILED INDIAN RUNNER DUCKS.

Young Drakes—J. Donald, Wighton, Eng. Crockford Agt., 1; E. L. Corse, Alburgh, Vt., 2-3; E. J. Farrington, 65 Church St., East Weymouth, Mass., 4; Mrs. E. A. Handy, Barnstable, Mass., 5.

Young Ducks—J. Donald, 1; Mrs. E. A. Handy, 2; E. L. Corse, 3-4; E. J. Farrington, 5.

WHITE INDIAN RUNNER DUCKS.

Old Drakes—Crockford, Bristol, R. I., 1; Eugene Sites, Elyria, Ohio, 2; Frank F. Terry, Assonet, Mass., 3.

Young Drakes—Crockford, Bristol, R. I., 1; Eugene Sites, 2-3.

Old Ducks—Eugene Sites, 1-2.

Young Ducks—Crockford, Bristol, R. I., 1; Eugene Sites, 2-3; Frank F. Terry, 4-5.

Pens—Frank F. Terry, 1.

BRONZE TURKEYS.

Cocks—Mrs. Amelia Foster, Wadsworth, Mass., 1; Miss Margaret Mahaney, Concord, Mass., 2-4; D. P. Shove, Fall River, Mass., 3; Mrs. Fred P. Hall, Danvers, Mass., 5.

Hens—Hood's Farm, R. F. D. 1, Lowell, Mass., 1-3; James E. Lord, Lord's Hill, Stonington, Conn., 2-4; Mrs. Amelia Foster, 5.

Cockerels—James E. Lord, 1-2-3-4-5.

Pullets—James E. Lord, 2.

Pens—Miss Margaret Mahaney, 1-3-4; Hood Farm, 2.

GOLDEN SEABRIGHT BANTAMS.

Cocks—H. E. Watts, Brockton, Mass., 1; Willis J. Middleton, M.D., Quincy, Mass., 2; Richard Oke, London, Ont., Can., 3.

Hens—Willis J. Middleton, 1-2-3; Richard Oke, 4.

Cockerels—Richard Oke, 1; Willis J. Middleton, 2-3.

Pullets—Willis J. Middleton, 1-2-3-4; Richard Oke, 5.

Pens—Willis J. Middleton, 1.

SILVER SEABRIGHT BANTAMS.

Cocks—Richard Oke, London, Ont., Can., 1.

Hens—Richard Oke, 1-3; Willis J. Middleton, M.D., Quincy, Mass., 2.

Pullets—Richard Oke, 1-3; Willis J. Middleton, 2.

ROSE COMB BLACK BANTAMS.

Cocks—Alfred L. Cutting, Weston, Mass., 1; Richard Oke, London, Ont., Can., 2; G. D. Tilley, Darien, Conn., 3; Chauncey C. Nash, 53 State St., Boston, Mass., 4.

Hens—Chauncey C. Nash, 1; Richard Oke, 2; G. D. Tilley, 3; Alfred L. Cutting, 4; Wm. L. Allen, Jr., Chestnut Hill, Mass., 5.

Cockerels—Richard Oke, 1; G. D. Tilley, 2; Chauncey C. Nash, 3; Willis J. Middleton, 4; Wm. L. Allen, 5.

Pullets—G. D. Tilley, 1; Richard Oke, 2; Chauncey C. Nash, 3; Wm. L. Allen, Jr., 4.

BUFF COCHIN BANTAMS.

Cocks—Edward W. Staples, Taunton, Mass., 1; T. J. Carpenter, Worcester, Mass., 2; Chas. A. Kohler, Braintree, Mass., 3.

Hens—Chas. A. Kohler, 1; T. J. Carpenter, 2; Edward W. Staples, 3.

Cockerels—Edward W. Staples, 1; T. J. Carpenter, 2.

Pullets—T. J. Carpenter, 1.

PARTRIDGE COCHIN BANTAMS.

Cocks—Edward W. Staples, Taunton, Mass., 1; W. S. Williams, Whitman, Mass., 2; Frank R. Sweet, Attleboro, Mass., 3; J. E. Morse, Taunton, Mass., 4; Baylies Bros., Taunton, Mass., 5-6.

Hens—Frank R. Sweet, 1-2-5; J. E. Morse, 3; Edward W. Staples, 4; S. H. Fessenden, Chestnut Hill, Mass., 6.

Cockerels—Edward W. Staples, 1; W. S. Williams, 2-3; Baylies Bros., 4-5; S. H. Fessenden, 6.

Pullets—W. S. Williams, 1; J. E. Morse, 2-3; Edward W. Staples, 4; Frank R. Sweet, 5-6.

BLACK COCHIN BANTAMS.

Cocks—Jas. A. Northey, Toronto, Can., 1; A. I. Paine, 162 Harvard St., Whitman, Mass., 2; W. S. Williams, Whitman, Mass., 3; L. A. Plummer, Jr., New Bedford, Mass., 4.

Hens—W. S. Williams, 1-5; Jas. A. Northey, 2-3; A. I. Paine, 4; L. A. Plummer, 6.

Cockerels—W. S. Williams, 1.

Pullets—W. S. Williams, 1.

LIGHT BRAHMA BANTAMS.

Cocks—Harwood Farm, Littleton, Mass., 1.

Cockerels—Harwood Farm, 1; W. F. Reardon, Worcester, Mass., 2.

Pullets—W. F. Reardon, 1; Mountain View Poultry Yards, Gardner, Mass., 2-4; Harwood Farm, 3.

PARCEL POST RATES were reduced January 1st. Ship your eggs in a **Regal Egg Carrier,** the up-to-date and reliable way. Used by noted breeders, Judges and Experiment Stations. **B. W. Plane, Box 5, Belvidere, Ill.**



ROSE AND SINGLE COMB REDS

We have won more prizes in the last three years, in the largest shows of the country, than any other exhibitor. This is not hot air but facts and is easily proven. We are in a position to furnish stock for any show, large or small and are offering some bargains for quick sales. If you want to improve your flocks, our blood lines will do it. If you want to win, we can help you. Our beautiful catalog of 64 pages, printed in three colors, contains many articles on raising and caring for poultry. It will be sent for 20 cents in cash or stamps. We are the largest breeders of Rhode Island Reds in the world, and if you are in need of anything, come to headquarters.

BUSCHMANN-PIERCE RED FARMS - - INDIANAPOLIS, INDIANA

OFFICE: 839 State Life Bldg., Indianapolis, Ind. FARMS: Carmel, Ind

American Poultry Association

The poultry industry of this country amounts in the aggregate to one billion dollars per annum. These figures paralize the imagination.

The American Poultry Association is the largest live stock organization in the world and its membership is increasing with tremendous rapidity. On its roll are the leading breeders and representative poultrymen of Canada and every state in the union.

Every breeder, fancier, man and woman in the United States and Canada who is interested in poultry of any kind should join this great organization.

The American Standard of Perfection

The Standard of Perfection is the official guide for the breeding, mating and judging of all poultry. It gives a close and detailed description of every breed and variety of chickens, ducks, geese and turkeys, with illustrations from living models. This book is published by the American Poultry Association at an enormous expense and is the American authority. You can not raise poultry successfully without this American Standard of Perfection. Prices postpaid from the publishers of this paper. Cloth binding, $2; leather binding, $2.50. Send all orders to American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.

On its shoulders rest this gigantic Billion-Dollar Industry.

Your interests will be promoted and safeguarded. You may compete for the association diplomas and gold and silver medals at the shows, and be entitled to all the help that honest organized effort can give you.

You will have a voice in shaping the course and policy of the association. Making it recognized by nations and governments. Your name should be one of the thousands of the honored members of this association. We urge you to write immediately for information and application blank. Address

E. B. THOMPSON, President, Amenia, New York
S. T. CAMPBELL, Secretary

American Poultry Association, Mansfield, Ohio



Are your New Year resolutions still kept?

* * *

This has been a great season for the "Flea." Will give full reports in our next. A grand association has been formed.

* * *

The question of the day is—to put the exhibitors' names on the coops before judging. It is the modern method of honor. Vote for it.

* * *

The two big Red Men of New York, Messrs. I. W. Bean and H. W. Alt.

* * *

The two Small White Men, Messrs. Arthur G. Duston and A. J. Fell.

* * *

We will now have to find a class for Jack McKay and Bill Campbell.

* * *

The Garden Show was a hummer—nothing like it ever before. In simple greatness it was great, above all expectations, and a great success, thanks to Chas. D. Cleveland.

* * *

Mrs. D. W. Young is still awaiting the Clyde Proper tie and the Link Orr hat. Someone surely should go with those men when they buy dress goods.

* * *

Charlie Welles spent a day at New York looking them over. His tracks led straight to Barred Alley and were lost there.

* * *

The Poultry Journal Subscription Booth at the Philadelphia Show was a great success. Let others also try this idea.

* * *

Mr. E. B. Thompson's great win at the Garden, New York, Show is the finish of a 30-year record of breeding and exhibiting. In cockerels winning all five prizes is most liable to stand for many years to come. He also had others that could have been placed.

* * *

We now have with us several English breeders with large strings of birds for several shows. Mr. Wm. H. Cook and Mr. Clem Watson intend to display at Baltimore and Boston besides here.

* * *

Their lines of Orpingtons, Cochins, Games, Sussex, etc., have met with much favor among the breeders.

* * *

Just what became of Atherton's hat at Boston is the question. His story is good to tell and sounds well, but is very, very thin.

* * *

If a man would be honest he must keep in training, remember that.

* * *

"Shall I dissolve another pearl in the chalice for your breakfast?" asked

Carver's Royal Red Sussex were the Champion Reds at Buffalo, Chicago, Madison Square Garden and Cleveland this Season.

GOLD AND SILVER CAMPINES

MANHATTAN FARMS

Again They Head the Procession!

Have You Noticed My Winnings This Year?

MY birds swept the decks at New York State Fair, Rochester Industrial Exposition, Greater Buffalo Poultry Show, Madison Square Garden, and at the American Campine Club's official show at Philadelphia, where we were awarded both Golden and Silver Championship Cups on best display and winnings. These were real shows, having good hot classes, and again my birds are

THE PACEMAKERS OF AMERICA

If yon want some good stock, either for utility or show purposes, general stock list is now ready. Yours for the asking.

Our Egg Matings this year have never been more carefully selected. Will have but two prices:

BEST MATINGS, $1.00 PER EGG GOOD MATINGS, 50c PER EGG

Send in your name on a postal for mating list. It will be ready February 1st, and contains description of the finest Campines in America. There is nothing better in Campines anywhere.

MANHATTAN FARMS
GEO. E. NOETH BRIGHTON N.Y.

Charmion. "No," replied Cleopatra. "Pearls are too commonplace and inexpensive. Boil me an egg."

* * *

According to reports, McAvoy, the Houdan breeder (?), pleaded guilty to defrauding and was fined $750.00. That seems rather cheap and we will comment further on full details.

* * *

The poultry industry owes it to itself to follow up cases of this kind in the future. Let us aim to keep this business clean and above question. The man who will skin a fancier should go to jail for life.

* * *

It pays to be a booster, always—a knocker, never—and to play the game like a gentleman. The voice with the smile will win.

* * *

There was a little hen
And she laid a little egg,
So long ago we've forgotten.
And when the egg was young
It was very, very good,
But when it was old it was rotten.

* * *

The greatest thing ever—is what the "Boys" down East say of our New Year number. It was some Journal.

* * *

Mrs. Wm. H. Moore entered the hall of fame at the Philadelphia show by winning highest honors on her Black Cochin Bantams. They also repeated at Baltimore.

* * *

There is always sunshine, we only have to move into it.

* * *

As we expressed ourselves earlier—the shows are larger and better than ever. The attendance better and the prospects bright for a wonderful season ahead. Strive and do your share.

* * *

Mr. Arthur Trethaway wore his best smile at the Garden Show. The Minorcas pleased him and particularly the win made by Yama Farms. Well he knows Minorcas and should be happy with that class.

* * *

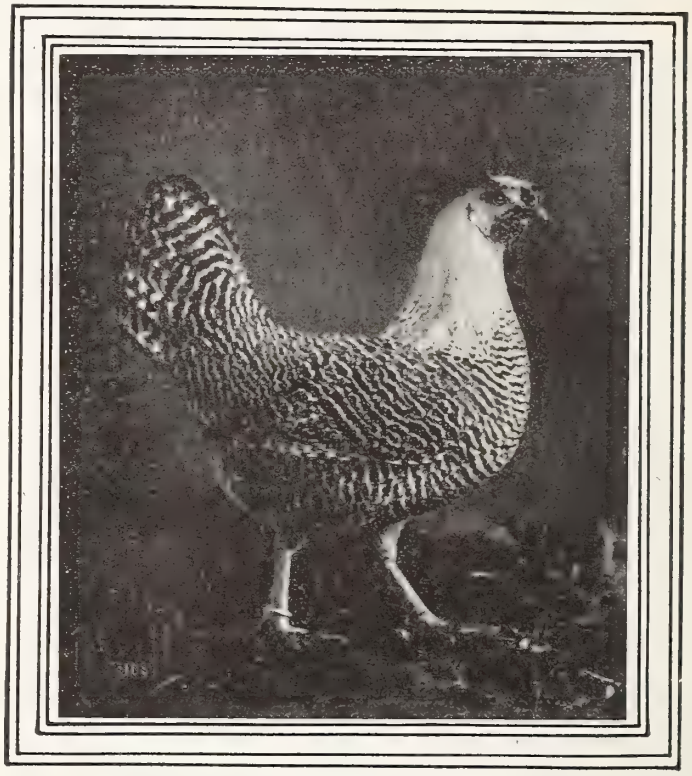
For many years their line was up with the best here and was felt at our best shows, where they made valuable records.

SOME PERTINENT OBSERVATIONS CONCERNING CAMPINES.

Frank E. Hering, South Bend, Ind.

I HAVE been frequently asked by beginners as well as by men who have had considerable experience in breeding Campines, to give my views of the hardiness of this fowl and its egg laying possibilities. I take this opportunity to comply with these various requests; and I do so the more gladly because I wish to help those that contemplate breeding Campines, as well as to encourage any breeder who may have embarked on such venture and may have struck a bit of ill fortune during the initial year.

Several years ago I imported from England the very best Silver Campine male that I could buy—the cock bird which is now widely known among Campine fanciers as Silver King I. I also imported all my females, purchasing the very best that had been raised to that time. From this mating I henhatched all the young stock. The "broodies" and their chicks were placed on sandy soil. They were fed exactly as chicks of other breeds are fed. However, it is very necessary to keep the little ones out of high grass



First Silver Campine pullet, Chicago Coliseum. Bred and exhibited by Frank E. Hering, South Bend, Ind.

The Golden Road to Success

ALDRICH CHICK GROWER, a Specific for Bowel Trouble, and BONE-A-TONE, a Bone-Producing, Health-Giving Tonic.

READ CAREFULLY THE EVIDENCE OF AMERICA'S MOST NOTED POULTRYMEN:

Hope, Indiana.

Gentlemen: I wish to state that Aldrich Chick Grower reached us in due time, and I must say it is **without doubt** the Greatest Remedy we ever used along this line, and we have been raising fancy poultry since 1883. It is a frame builder and a body vitalizer. We have never used anything that made chicks grow up so readily as your Chick Grower. I can truthfully recommend to all poultry raisers this **Great Remedy**, and I assure you as long as you manufacture it and it proves the good merit it has this season we will continue to purchase it of you and order more in a few days. I note what you say in regard to BONE-A-TONE. I would like very much for you to send me a quart. It is surely a good Tonic, as you have given size and fast growth to your stock.

Wishing you every success, we remain,
Very respectfully yours, J. C. FISHEL & SON.

Collegeville, Pa.

Dear Sirs: It gives me great pleasure to report that your CHICK GROWER and DIARRHEA REMEDY is one of the Greatest Remedies that the poultryman has ever been able to get hold of. It is surely a wonder. I cannot recommend it too highly. Wishing you every success, I beg to remain,
Yours truly, F. G. BEAN.

NOTE.—Judge Bean judged the pens and females in the White Orpington class last December at MADISON SQUARE GARDEN.

CORDOVA, ALA.

Aldrich Poultry Remedy Co.

Dear Sirs: I have given your WHITE DIARRHEA REMEDY a most thorough test. While I have lost **at least** 50 per cent of all chicks hatched during the last two years by **this scourge, I HAVE NOT LOST A SINGLE CHICK** since using your REMEDY. I DO NOT GUESS about it, for I know it to be both a cure and an ABSOLUTE PREVENTATIVE. To test it I would divide the hatch and feed exactly the same, but give one-half of chicks the Remedy in their drinking water and the other the plain water. **NOT A SYMPTOM** ever appeared in the flock given the Remedy, while in 3 or 4 days the others were all stuck up with white diarrhea. I would put them on the treatment and all chicks that were able to eat and drink QUICKLY RECOVERED, and not another chick became affected, although the sick and well chicks remained together.

I consider your cure **The Greatest Blessing** for the poultry interest of any discovery in 25 years.

Respectfully, POPE M. LONG.
Breeder of Silver and Partridge Wyandottes.

The above evidence is proof conclusive of the merits of THE NEW DISCOVERIES made by Messrs. Rawnsley and Aldrich.

PRICES: ALDRICH CHICK GROWER, $1.00 per quart jar, enough to raise 100 chicks beyond the danger point. BONE-A-TONE, $2.00 per quart.

DON'T LOSE YOUR CHICKS when an ABSOLUTE REMEDY can be secured at a nominal cost

ALDRICH POULTRY REMEDY CO. :: 4045 North High Street :: COLUMBUS, OHIO

or any kind of vegetation that holds dew. Campines are very similar to Leghorns and other Mediterraneans in that they do much better if the feathers of the young stock are not saturated with rain or with dew. Young Campines are very active foragers. They grow very rapidly. Six months' pullets, if they have received the proper care, are ready to lay.

The best Campines now on my plant were bred there. The first Chicago cockerel, 1913, which is considered by poultry artists and judges as the best feathered male Campine exhibited to date in this country—as well as his full brother that headed the first young pen at Chicago—were hatched last March, permitted to run on range until the first week in November, and were put into the show room with very little special attention.

The cut of the first Chicago pullet, 1913, which appears on this page, shows the type and the feathering of the very last word in improved Silver Campine females. The clearness of barring and the sheen on this pullet are as pronounced as any fancier could wish. The picture is practically untouched and for that reason will serve as a model to guide Campine breeders.

I have found Campines a hardy fowl. At this writing I have baby chicks in my brooder house—hen-hatched, active little creatures—that meet the inclement weather of this third week in January with a disregard of temperature that speaks very strongly for the vitality of this fowl. As I have some Leghorns on the plant, I have been in position to compare the two breeds. It is my conviction that the Campine lays, in general, the larger egg—one whose shell is even whiter and whose texture is finer than that of the Leghorn. There is more meat on a Campine than on a Leghorn of the same weight, and the quality is a bit finer and not so fibrous. Leghorns and Campines are equally good foragers, but the latter are not nearly so timid, and do not require the fencing and the overhead netting that my Leghorns do.

Campines should be kept in draught-proof houses. These should, if possible, be raised eight to twelve inches above the ground. The fowl is sufficiently hardy to meet successfully the varied climatic conditions from Texas to British Columbia, if it is protected from draughts and from an undue amount of dampness.

I have very recently built some breeding houses for Campines on my plant, one mile west of South Bend, Ind. After three months' trial, I am prepared to pronounce the houses well suited for winter purposes. They are about half open-front, and face southward, toward the Kankakee marsh. The floors are cement, that is, laid on a gravel foundation, one foot higher than the surrounding land.

Visitors will be gladly shown over the plant by my manager, Mr. Harmon Bradshaw, the well-known White Leghorn breeder, who is associated with me in the breeding of "the living egg-machines." Any breeder or fancier desiring information on special points connected with this variety will receive prompt answer to inquiries sent me.

E. A. Webb's Barred Rocks Win at St. Louis, 1913

First and second pullet, special for best shaped female, also second pullet mated cockerel. **At Illinois State Show, 1914,** fourth cock, third exhibition pullet, third cockerel bred pullet, third cockerel bred hen. I have 50 grand cockerels and a few pullets for sale. I will sell eggs from 6 of the greatest pens in America. My birds are pedigreed and line bred. Satisfaction guaranteed. Ask for free circular. **E. A. WEBB, Ewing, Ill.**

S. C. WHITE LEGHORNS

Winners: 1st Cockerel, 1st and 2nd Pullet and 1st Pen at the great State National S. C. White Leghorn Club Meet held at Elgin, Ill., January, 1914. 300 of the noble variety in competition. The hottest class ever held in the state. Send for descriptive catalogue to

W. L. FERN **682 Slade Ave.** **ELGIN, ILL.**

The Great Leghorn Farms

At the **Great Ontario, Guelph,** December, 1913, our winnings were: R. C. Browns—3d Cock, 1st and 2nd Hen, 1st Cockerel, 1st Pullet. S. C. Buffs—1st Cock, 1st Pullet, 3d and 4th Cockerel. S. C. Brown—1st Cock, 7th Cockerel. **At Buffalo,** December, 1913: S. C. Blacks—2nd Cock, 1st and 2nd Hen, 3d and 4th Cockerel, 5th Pullet. We have a fine lot of birds for sale—Cocks, Hens, Cockerels and Pullets. **Eggs for Hatching.** Send for circular.

Henderson & Billings - - St. Marys, Ontario

1889 **The Twenty-Fifth Anniversary** 1914

OF

THE PARKS' STRAIN OF BRED-TO-LAY BARRED PLYMOUTH ROCKS

An occasion we are proud to commemorate. Not alone to the great number of years "that in reality makes this the Oldest Laying Strain of today," but to the success that has crowned our effort, not only in our own hands, but with our customers, as last month's ad in A.P.J. proved.



These World's Egg Records are the result of a quarter of a century of selecting, trap-nesting, pedigree breeding, and scientific matings.

The same progressive principles have been used in the business end, and today our strain of Bred-to-Lay Barred Rocks have the distinction of being the most widely bred ,and I believe are in more satisfied customers' hands than all other laying strains combined.

We point with pride to our January, 1914, Show winnings in five States. Not that we claim a show bird strain, but that we have a bred-to-lay strain good enough to win in ordinary competition.

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Pensacola, Fla.—Eggs received O. K. Your system of packing is excellent.—Edw. J. Landt.

Lowell, Mich.—Chix arrived today. I never saw a livelier bunch.—W. Willard.

I still have a few pedigreed breeders and cockerels for foundation stock. Chick circular free. Send dime for large 40-page catalog—deduct same from your first order. Tells why the Barred Plymouth Rocks outlive all the BREED BOOMS. How I feed, breed and am able to produce record layers.

J. W. PARKS, BOX J, ALTOONA, PENNSYLVANIA

Madison Square Garden Show

Continued from page 219

give the class is far short of its real worth. The first prize cockerel was all we can expect, a great bird and great winner to be, for in shape, finish and head he was near ideal, with fine carriage and perfect condition—a picture. First pullet, a dream, of the best quality we can find in a White Wyandotte.

Onlya Farm, Florham Park, N. J., won 2nd pen, with a grand mated collection. Their several records this year will tell of their quality. In Barred Wyandottes they won cock 2-3, hen 2-3, cockerel 1-2-3, pullet 2-3 and pen 2. Charlie Staaff, the manager, has done well with these, breeding them to excellent shape and good color.

In Buff Wyandottes the honors were pretty well divided among several well known breeders as follows: Besuden Bros., W. G. Marshall, S. A. Howland W. F. Shultz, L. W. Winner and Doctor Sanburn.

Partridge Wyandottes, a very large and beauty class, one of the choicest ever brought together. Mr. Chas. H. Wood, Worcester, Mass., was the man of the hour here, making a really phenomenal record by winning cock 1-2-4, hen 2, cockerel 1-3-4, pullet 1-4-5, pens 1-3, display and all specials. The general quality and character of this line are seen in every bird shown—evenness with splendid markings and extra fine heads most noticeable, and in form as good as we can expect to see. First cock a particularly fine specimen and well shown, with all winners birds of exceptional merit.

The Sheffield Farms, Glendale, Ohio, exhibited here as fine a line of birds as they ever did, but it is a question if they were in same condition; their quality is well known and their line one of the best, being most excellent in size and type. They here won cock 5, hens 3-4-5, pen 2-5.

Minch Bros., Bridgeton, N. J., won pullet 3. In Light Brahmas they won cock 1-5, hens 2-4 and pullet 2. This line has been very successful this season at Philadelphia, Hagerstown, etc.

Mr. Paul W. Doll, White Plains, N. Y., after winning well at the Palace New York show, also got in here with hen 1, on a beauty.

Mr. D. Lincoln Orr, beside his duties as postmaster, found time to win some prizes with his Columbian Wyandottes as follows: Cock 1, hen 2, cockerel 4, pen 2. Mr. Orr was also displaying his famous feeds here.

Other winners in this class were J. H. Wendler, J. S. Rittenhouse, Harwood Farms, Harry B. Miller, A. C. Hawkins,

Barred Wyandottes were shown by Onlya Farm as already mentioned, and the Wilhelmina P. F. They won cock 1, hen 4, cockerel 4, pullet 1, pen 1. There was class in this variety.

Reds of both varieties were here in quality and quantity. It was a glorious display, with well known breeders from all sections competing. The United Breeders, So. Braintree, Mass., a company of our best-known breeders, including I. W. Bean, A. W. Dilley and F. L. Hayden, all "Red Men" of note, won in Single Combs: Cockerel 4, pullet 4, pen 4-5. In Rose Combs: Cock 1-5, hen 1-2-5, pullet 1, pen 4, best display and specials. Their winning Rose Comb cock, a bird of special merit, type of the best and the quality in evenness of color. We greatly admired their winning females, sound, even color, nice heads and the best of form.

Mr. Lester Tompkins, Concord, Mass., won in Single Combs, cock 1-3-5, hen 4, cockerel 6, pullet 2, pen 3.

Mr. H. P. Deming, Robertsville, Conn., who has been a very consistent winner in S. C. Reds for some years, won pullet 1 and pen 6. This pullet was one of the bright gems of the class, a real beauty, finely shown; there is value to her kind.

Schenley Heights P. F., Pittsburg, Pa., here won in S. Combs, cock 2, hen 3, cockerel 5. In Rose Combs, cock 4. This line has been most liberally shown and has made the best of records this year at the New York Palace, Philadelphia, Allentown, etc.

In S. Combs, first hen went to Mr. F. L. Ober, Verona, Pa., on a hen of great beauty and value.

Mr. Jos. Russell, Toronto, Ont., won hens 2-5, and in R. Combs cockerel 2.

Mr. Ernest Underhill, Morris Plains, N. J., won cockerel 3 in S. Combs. This is a bird of rare beauty.

Mr. F. H. Stillwagen, Allentown, Pa., a Red winner of note this year was also in the honor class here.

In Rose Combs, Simmons & Crittenden, Geneva, O., won cock 2 and shape special on a bird of rare beauty, and pen 2. Cockerel 917, a beauty in color and fine head. Their whole exhibit was one of quality.

Payne Brothers, Portland, Conn., have proven themselves regular winners here for years in Rose Combs, and again this year won first prize pen. In both quality and mating this was a beauty collection. They also won hen 3 and specials. Heads a feature in this line.

Mr. Ira M. Crowther, Willoughby, O., won first prize pen on S. C. Reds. This pen was one of the high spots in the class of grand quality and beautifully mated and shown. Mr. Crowther has been a prominent winner for some years, and we hope he will again come east, for his quality looks good to us.

Mr. Harold Tompkins, Concord, Mass.,

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won in R. Combs, third pen and third cockerel. He is bound to edge in on any competition and has the quality the judges have to consider.

Leghorns.

There is unusual interest in the Single Comb White Leghorns at the great Garden Show every year, with expectations and hopes at fever heat. The great question for an age has been, What will Dan Young bring down and what can he win this year? Year by year the S. C. White Leghorns have been improved, and yearly it seems to us impossible that this breeding wizard can come back and show improvement over his previous great records and quality. But this is just what he has done for years past, and I believe proposes to do for years to come. Say what we can of his past great winners, and they deserve well all that has been said, he came back this year and exhibited and won on a "Marvel," a bird of beauty and quality that no human mind can improve, unless that be Mr. D. W. Young. With condition and quality considered, Mr. Young never won higher honors than he did this year, for aside his regular winnings, his "Marvel Cockerel" won the highest honors of the show, the A. P. A. gold medal, for being the "Best Cockerel in the entire show."

Mr. Young won cocks 1-2-5, hens 2-3-4, cockerels 1-3-4-5, pullet 5, pen 1, display and specials, and all this in a class of 204 birds.

Skylands Farms, Sterlington, N. Y., have made several records this year of particular note, and their win here is one of credit to Mr. Harlo J. Fiske. Mr. Fiske has step by step brought his line to the front and has for several years been a leading contender at our best shows. Here he won cocks 3-4, cockerel 2, pullet 4, pens 2-5. He won specials for best headed male and best headed female, and President's $100 challenge cup for display. This is his third win of this cup and now is final owner.

The Maryland Leghorn Farm, Cambridge, Md., made their first exhibit here and won first prize pullet. Mr. W. C. Bowman, the manager, has had charge of this farm less than a year and his work is to be commended. But few live to win a first at the Garden Show their first year out in S. C. W. Leghorns. You have done well, Billie!

Mr. Stewart Haddock, Poughkeepsie, N. Y., exhibited but a few of his birds, evidently being satisfied with his winnings at Buffalo, Philadelphia and the Palace New York Show.

Two very neat and fine cockerels were shown by Mr. Albert Waldron, Titusville, Pa. This quality is full of promise.

One of the most interesting exhibits seen here was the display of S. C. White Leghorns by Mr. Edgar Briggs, Pleasant Valley, N. Y. This line is well known the country over for its practical qualities. They lay eggs, but we were also pleased to note their excellent quality. In size, shape and general condition they are much better than we expected. Mr. Briggs has made a grand success with his line and deserves well from the breeders.

In S. C. Brown Leghorns, Rockfellow & Hubbard, New Haven, Conn., following up their grand winnings at other shows, won here, cock 2-4, hens 1-3, cockerels 1-2-3, pullet 2-4, pens 1-2, best display and specials. We think this the equal of any record ever made at this show, with a class of 78 birds competing.

Mr. Frank Schellang, Erie, Pa., won cock 5, hen 4-5, pen 3.

Mr. L. E. Merihew, Marathon, N. Y., in S. C. Buff Leghorns, won cock 1-4, hen 3-4, cockerel 3-5, pullet 4.

In S. C. Black Leghorns, Turtle Point Farms, Saratoga Springs, N. Y., won cock 2-4-5, hen 4-5, cockerel 1-3-4, pullet 1-3 and pen 1.

NIXON'S WHITE WYANDOTTES in their 21st YEAR

Boston; Madison Square Garden

The oldest and most reliable of White Dott tribes. They have made good in the thickest of trouble, winning out against the best that could be raked up for the big National Club meet at Albany, N. Y., 1913. There were others, but just fast enough to get beat. Say! Talk about quality. Why, it's better than ever. Big, plump, pure white birds in any number you wish, to win at any show you wish, and to breed the quality you wish. **Eggs ready January 15, 1914,** from the grandest yards I ever mated. Utility eggs in any number from excellent mated pens. Come to the old reliable specialist. No better egg machines in America. Write today. Literature.

CHAS. NIXON, Judge and Breeder, WASHINGTON, NEW JERSEY

PALACE N. Y. SHOW, 1913

WINNING BARRED PLYMOUTH ROCKS

In a class of 213 birds, bred and shown by America's Leading Breeders in one of the largest and best classes ever exhibited, I won **Special First for Best Cockerel,** Mating Pen, Second Pullet Mating Pen, Fourth Exhibition Pen, **First and Third Pullet-bred Cocks,** Fourth Pullet-bred Cockerel, Second and Third Cockerel-bred Hens, Second and Third Cockerel-bred Pullets. **Specials, etc.** A record of merit in all classes.

Palace, New York Show, 1912

In a class of "Royal Merit" my winning First Prize Pullet was the sensation of the entire class. I also won Second Pen, Second Hen, Fourth Cockerel and Specials. At **Madison Square Garden, New York, 1912-13,** I won Seventh Pullet. This line has been bred for years in line and has made records at several shows. Choice stock for sale at all times, selected breeders a specialty in trios and pens, mated to produce superior quality. **Eggs for Hatching** from selected exhibition matings, $10 per setting. Utility mating eggs at special prices of $10 per 100. Write me your wants, I can and will please you. My utility lines are exceptionally heavy layers.

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Minorcas.

In S. C. Black this was to our mind the best class seen to date, with 78 birds competing. The very best of quality was here shown by the best known breeders. Mr. Frank McGrann, Lancaster, Pa., made his first exhibit of some years here, and won a total of 41 points on 15 entries, with birds of his own breeding, as follows: Cocks 2-5, hens 2, cockerels 1-2, pullets 1-2-5, pen 2, and many specials.

The Yama Farm's winnings are given in with the Barred Rocks. They breed both varieties.

Orpingtons.

In all varieties of Orpingtons the competition was of the best and while in most cases the prizes were split up between several breeders, there was quality in all and honors for all that could get even a remote mention. In Buffs, the Joe Pye Orpington Farm, Norwalk, Conn., won cock 1-4, cockerel 4, pen 4.

The Sunswick P. F., South Plainfield, N. J., hen 5.

Miss Henrietta E. Hooker, South Hadley, Mass., hen 1-2, pullet 3, pen 2.

Mr. M. F. Delano, Vineyard Haven, Mass., cock 2-3, cockerel 2-3, pullet 5, pen 5. In White Orpingtons, cock 5, hen 2-5, cockerel 5, pullet 1-3-4.

Mr. Hugh A. Rose, Welland, Ont., in Buffs, cock 5, hen 3, cockerel 1-5, pullet 1-4, pen 1. In Blacks, cock 5, cockerel 2, pen 3-4.

The Foxhurst Farm, Lime Rock, Conn., here made a most wonderful winning in S. C. Black Orpingtons. We doubt if a better record could be made at any time, with 135 birds competing they won cock 1-2-4, hen 1-2-3, cockerel 1-3-4-5, pullet 1-2-3-4-5, pen 2. This line and quality was in the extreme beautiful and in best possible condition.

The Aldrich Poultry Farm, Columbus, O., also made a record in S. C. White Orpingtons by winning cock 1-2-3, hen 1, cockerel 1-2-3, pullet 2, pen 1. In shape and condition this line was good to see; it is a record of merit and an assurance of quality.

Wm. Moore, Hamilton, Ont., won in Whites, cock 2, hen 3, pen 2.

Blue Orpingtons numbered 104 birds and were a quality lot, well shown. Mr. Haldie Nicholson, Leominster, Mass., winning cock 2-5, hen 1, cockerel 2, pullet 1-5, pen 2-3.

Capt. Max De Bathe, England, who was the judge here last year, came as an exhibitor and won cock 3, cockerel 1-3, pullet 3, pen 4.

Mr. W. H. Depper, South Lincoln, Mass., cock 4, hen 4, pen 5.

Miss H. E. Hooker, hen 2-5.

A. O. V. Orpingtons were shown by Wm. H. Cook, Orpington, England, who won all prizes.

Campines.

Favorites and gaining in favor, is the word with Campines. In Silvers, 139 birds were seen. Mr. M. R. Jacobus, Ridgefield, N. J., winning hen 1, pullet 1-5, pen 1. In Golden, cock 3, hen 2-5, cockerel 4, pullet 1, pen 3.

The Manhattan Farms, Brighton, N. Y., won on Silvers, cock 2-5, hen 2, cockerel 5, pullet 4, pen 3; on Golden, cock 1-5, hen 3-4, cockerel 3-5, pullet 3-4-5, pen 2. Thus, like in former years, this line has been shown and has made excellent records at several of our best shows.

The Schenley Heights P. F., Pittsburg, Pa., won in Silvers, cock 1, hen 3, cockerel 1, pen 5; in Golden, cock 4.

E. F. Dean, South Williamsport, Pa., Silvers, cock 4, cockerel 3-4, pullet 3, pen 2; Golden, cock 2, hen 1, cockerel 1-2, pullet 2, pen 1.

Dark Cornish.

Another most excellent class here, with general quality of a very high order. Mr. John W. Ward, Jr., Pennington, N. J., won cock 2, hen 2-3-4, cockerel 1-4, pullet 1-4, pens 1-2.

Dr. W. A. Low, cock 1, pullet 3. The reader can imagine the quality of this cock to beat Ward's famous John Bull.

Brahmas.

Were one of the best classes seen here in years, Mr. E. J. Stroud, Asbury Park, N. J., winning first prize pen. The male here was one of the best we have ever seen, in shape; color and markings also very fine.

Other winners were Minch Bros., Spring Brook Farm, H. C. Wood, W. T. House, E. I. Collins, Riverdale P. F.

Langshans.

In Blacks a royal class of quality, with shape and color seen at its best. Mr. Frank Harbaugh, Middleburg, Md., did the clean-up act by winning cock 4-5, hen 1-5, cockerel 1-2-5, pullet 1-3, pen 1.

Black Spanish.

Here were seen a class of 49 Black Spanish, the best we have ever seen, Mr. R. A. Rowan, Los Angeles, Cal., winning all prizes offered. His display was beautiful to see, particularly the first prize cock that the boys named Hank.

Anconas.

In Single Combs the class numbered 114 birds and was the equal of any we have seen. Mr. H. Cecil Sheppard, Berea, O., won cock 2, hen 1-2-4, cockerel 1-2-3, pullet 1-4-5, pen 3, and specials.

Other winners were J. O. Somers, A. E. Wohlert, G. W. Cisco, Geo. J. Hanks, C. A. McKeown, F. W. Mains. It was real quality all through.

In Rose Combs, Mr. Sheppard won cock 1-2-3, hen 1-2-3-5, cockerel 1-2-3-5, pullet 1-3, pens 1-3, all specials.

Other Varieties.

Houdans, a small class of fine birds. The White Houdans shown by Mr. Bearman were particularly attractive.

Polish and Hamburg rather scarce, the breeders holding for the club show at Boston.

Sussex a very nice lot, with several English birds competing. Mr. Clem Watson doing very well.

Standard and Pit Games seen in good classes.

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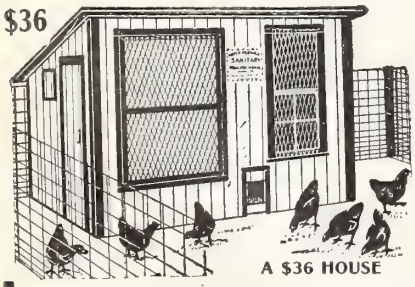
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Bantams.

Bantams were a show in themselves; it was a great quality display, the Black Breasted Reds, the largest and best class we have ever seen, with the Old English Games next in numbers. In Sebrights, Cochins and Japs the entry was very good.

Turkeys.

Here, again, we must say it was the largest and best exhibit we have ever seen. In Bronze particularly they were great, and Bird Bros. deserve every credit —they sure have the goods.

Ducks and Geese.

Were seen in good classes and in all varieties, the Runners and Pekins leading, with the Orpingtons close up.

Pigeons.

We are not experts in these classes, but still feel very safe in saying there were thousands here to admire.

From first to last this was a monster and most successful show, evenly balanced, with all varieties and all birds well represented. Quality was the slogan, and in this we find the real value of the Garden awards. As a rule we believe the judging was quite satisfactory; where it failed is known to the secretary, and the breeders can rest assured he will do his utmost to remedy all just causes and place this show on the highest possible plane. In this Garden show we have a something we can all feel proud of and through which we can assure greater success for all interested. Let every man do his full share, now.

For list of awards see page 289.

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Madison Square Garden Show

(Continued from Page 218)

Schottelius has also shown that the presence of bacteria is an important factor in the digestion of cellulose in chickens.

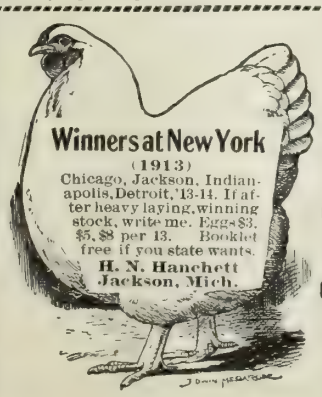
CAECA—The two caeca are blind tubes which hold back some substances on their way to the large intestine, and give the bacteria more time to act on them.

LARGE INTESTINE—The large intestine begins just below the caecal openings. It receives the waste material from the small intestine. During its passage through the large intestine water is absorbed and it leaves the body combined with the waste material from the kidney in a semi-solid mass.

The author has endeavored to present the subject of digestion in the fowl in as concise and practical a manner as possible.

He realizes that he has by no means exhausted the subject but has only given a glimpse of the wide field for research open to those interested in the scientific feeding of poultry.

White Wyandottes



Blue Orpingtons

Golden Wyandottes Win at Boston, January, 1914.

Cock, 1-2-4-5; Hen, 1-3-6; Cockerel, 1-2-4-5; Pullet, 1-3-4-5; Pen, 1; Best Display; 3 Association Specials, and 13 of the 19 Club Specials, **completing a Record Win.** Breeders and mated birds for sale. Your wants will have my best care. Write for particulars.

LOREN H. BROWN - **LUNENBURG, MASSACHUSETTS**

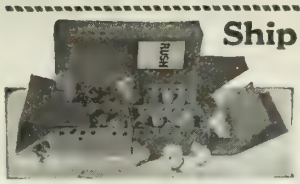
Look --- Consider --- My Great Egg Offer for 1914

Warren's Single Comb Reds

Crowther Strain

50 Good Cockerels for Five Dollars each, a Fine Cockerel for Ten. My Birds just won—1st Pullet and Silver Cup at Hempstead, L. I., 2nd Pullet at Grand Palace Show, 5th Pullet at Madison Square, both of New York City.

BELL-VISTA FARM **MENTOR, OHIO**



Ship Day Old Chicks in This Safe Box

We ship thousands of baby chicks each season from *Tywacana Farms* to all parts of the country in the strong but light and compact

Wright Box
THE RIGHT BOX

The most satisfactory box for shipping chicks. It has adjustable ventilating regulator which meets varying weather conditions more satisfactorily than any other device. Chicks do not trample, smother or get chilled. Made of double, reinforced corrugated cardboard—it is

Strong—Simple—Safe—Sanitary



The New Wright Egg Box is the strongest and lightest package for shipping hatching eggs or fresh table eggs. Easy to pack—each egg has absolute protection—cannot shake or jar. Both chick and egg boxes are shipped to you flat and are easily set up and packed for shipment to your customers.

Write today for Free Booklet describing The Wright Boxes for shipping chicks and eggs.



TYWACANA FARMS POULTRY CO.
A. E. Wright, Supt. Box 53 Farmingdale, Long Island, N.Y.

Are You Getting Results

from Your Advertising

?

Results depend upon good copy—it must be well written and different from the others—it should be a "Live Wire" so that it will draw and hold attention.

Maybe your copy lacks that snap and pulling power which brings inquiries and orders.

Could be improved on—couldn't it? Well here's the help you need.

If you are an American Poultry Journal advertiser this service is free.

Just send us your subject and the amount of space (it must be four inches or more). We write the copy absolutely free and turn it over to the A. P. J.—they do the rest.

You do not pay us one penny; we have our arrangements with the A. P. J.

Now send in your subject—we will turn it into live drawing copy—and it is absolutely free to you.

P. K. WHITE

1303 Pontiac Bldg. **Chicago, Illinois**

RED SUSSEX FARM

Importers and Distributers of

England's Best Red Sussex

Champion Strain. Champion Red Sussex have won more regular Premiums, Silver Cups and Specials at the **Crystal Palace** and **Dairy Shows** than all other strains combined.

Large **importation** ready for re-shipment March 1st. **Red Sussex latest demand** of the poultry public. Get in on the **ground floor** and be a **big one.** The **best breed** from every angle. The **Fancier's opportunity. Red Sussex** has grand type, beautiful dark rich red color, fine hackles, green-black tails, neat single combs, red lobes and red or brown eyes. Like most English breeds, shanks and skin white, **Red Sussex** meets every **requirement** from the **utility** side---being large, husky and hardy---the **quickest growers** ever raised---**small eaters** producing **meat** and **eggs** at the **smallest cost. Greatest** of all great **winter** layers of large eggs, uniform in color.

Pullets begin laying very young and **keep** it up during **severest** weather. Be wise and get in on this month's **importation** of **England's Best.** We are the **largest importers** and **save** you **money** and you take no **risks.** Booking settings from grand pens, headed by large, snappy, healthy, vigorous, typy, dark red males, all **Champion Strain.** strong in sharp black points, head points fine. Females even lot in quality, and of even rich stay-red color—fine in hackles, tails, wings and head points. These pens are even in quality as we could mate them. All **Champion Strain.**

Eggs as gathered **$15** per 15 straight.
Book now, and deposit **$5** with order.

Red Sussex Farm, Marysville, Mich.

MYRON W. MILLS, Prop. H. H. COBURN, Mgr.

Please look at the back inside cover

BUFF WYANDOTTES

Jacks' Gold Beauty Strain always on top.

J. Carleton Jacks -:- Litchfield, Minnesota

PATENT your Inventions—



My expert, confidential service means real protection. Before applying for a patent, write for my booklet, "How to Save Money on Your Patent"

LESTER L. SARGENT, PATENT ATTORNEY (Reg.)
716 12th St., : : Washington, D. C)

Airdales



The ideal dog for th Poultry Keeper or Suburbanite. Fine ratters, hunters and watch dogs. Not afraid of anything. Gentle and obedient to his master, kind and playful with children. Kennel headed Imported Tintern Perform—a trained hunter. Young and adult stock for sale. Write for particulars.

F. L. SAVAGE BOX 14 St. Charles, Ill.

HOUDANS

The **"Famous Jimcrack Strain"** have won and have produced winners at our largest shows for years. Their records at Toronto, the Ontario Winter Fair, etc., prove their quality. Stock and eggs for sale. Write for circular.

HARRY TAYLOR, 82 Howard Park Ave. TORONTO, ONT., CAN.

THE BEST

White Holland Turkeys

We can supply you with Winners and selected Breeders. Headquarters for WORLD'S BEST.

CRESWELL & GRAY, R. No. 8, Fairland, Ind.

ILLINOIS RED FARM

S. C. R. I. Reds win again at Peoria, Ill., Dec. 6 to 8, in a class of 265 Reds, 2nd Pullet, 3rd Cock, 4th Hen. The best Hen and Pullet in class, four best Pullets, best entry in Reds, and the best entry in show. A good cock bird and some cockerels for sale.

F. E. Gapen, Prop., Lostant. Ill.

BUFF ORPINGTONS

Good layers; prize winners; won silver cup at Beardstown for best pen. Stock, eggs and day-old chicks for sale.

VICTOR L. ADELMANN
Beardstown, - Illinois

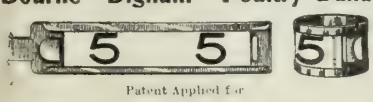
TRETHAWAY'S

Anthracite S. C. Black Minorcas

Are winners for his customers at all the leading shows in America. This year they are better than ever. A few grand specimens in Hens, Cockerels and Pullets for sale. You can always win with Anthracite Minorcas.

ARTHUR TRETHAWAY,
45 Parrish St., - Wilkes Barre, Pa.

Bourne "Bignum" Poultry Band



Patent Applied for

Send two 1 cent United States stamps for samples and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each, $2.50 a 100.

Bourne Manufacturing Co.
Box M, Melrose, Mass.

"When, Where and How" to Brood Chicks.

On page 189 of this issue will be found an interesting advertisement of the Self-regulating Portable and Adaptable Hovers manufactured by Cyphers Incubator Company, Buffalo, N. Y., and for sale at this company's six places of business, Buffalo, N. Y., New York City, Boston, Mass., Chicago, Ill., Kansas City, Mo., and Oakland, Cal. Following are two sample reports from Cyphers Company customers, telling of the good work done by these low-cost brooding devices.

"Hutchinson, Kansas, July 14, 1913.
Cyphers Incubator Co., Buffalo, N. Y.

We believe that no other make of brooding devices comes as near reaching the 'acme of perfection' as does the Portable Hover. We know whereof we speak—because we have used others. To all poultry growers we wish to say that they need not fear to use Cyphers Portable Hovers at any time of the year. At all seasons we have found them absolutely reliable. The temperature in these Self-regulating Portables is easily maintained, even in very changeable weather. Often when our section was visited by blizzardy conditions we would worry about our little chicks, but in every case found them 'snug and warm' and perfectly unharmed. In future we shall use Cyphers Portable Hovers exclusively. They are large and roomy, are automatic in ventilation and produce large, strong, healthy chicks.

O. H. Guy & Son,
per O. H. Guy."

"Canton, Mass., July 17, 1913.
Cyphers Incubator Co., Buffalo, N. Y.

Am very well pleased with your Self-Regulating Adaptable Hover. I installed it in a home-made brooder, made from two packing boxes and found no trouble in regulating the temperature under these conditions. Have had a very successful hatching season and thanks to your not-to-be-beaten Hovers have raised nearly every chick hatched. Put three broods through one hover and from all causes lost only ten chicks out of 275 that we put under it. From the first day to the time these chicks were taken out, they grew rapidly and seemed happy and contented at all times day and night. F. L. Moss."

The reader is requested to look up the Cyphers Company's full-page advertisement of these brooding devices on page 189 of this issue.

One of the Old School

There aren't many of the old school left, and when we hear of one of them still up to his old game of capturing blue ribbons it kind of makes us feel good all over. There are so very few of them, and they have done so much for the success of the poultry industry, that it seems like a shame that they can't go forth and shout their success from the house-tops.

But retrospection plays an important part in their life; looking back over their trials and triumphs no doubt affords them a great amount of pleasure. Can you imagine greater pleasure than to be one of the very few who have seen and participated in the wonderful growth of the poultry business.

Just think of it!—starting in the game when the public took poultry raising as a joke and continuing until he has helped it grow into a billion-dollar industry and still growing very rapidly. The gentleman to whom we refer, and who has helped to make the poultry business a billion-dollar industry, is our old friend, A. C. Hawkins, of Lancaster, Mass.

He has had a wonderful poultry career and established a record of winnings that causes him to be pointed out in all show rooms. His winnings would fill a good-sized book, and in reading it you would find first prize very often.

To be on the job at the Chicago Coliseum he and his Royal Blue Barred Rocks traveled over a thousand miles, and when the awards were given he walked away with what we think is the greatest record ever made with that variety in Chicago. In this class there were 254 birds competing and Mr. Hawkins won Grand Special for best display, 1st and 5th cock, 1st and 3rd cockerel, 1st pullet, 1st and 2nd pullet-bred cock, 1st and 3rd pullet-bred cockerel, 1st cockerel-bred pen, 2nd pullet-bred pen, special champion male, special champion female, shape male and female, color male and female—in fact, every special offered. It was a very high-class record, won by a high-class man and real high-class birds.

This record beat his Chicago record of a year ago, when he won four first prizes and the sweepstakes championship hundred-dollar cup for best display. It would

FREE SAMPLES to everybody. Buy of us at wholesale rates. Regular 30c kind of Coffee at 22c. Send for prices of other kinds, also Teas. **Oscar A. Knoppel & Co., 35th St. and Hoyne Ave., Chicago, Ill.**

Big Money Growing HELIANTI the new "wonder plant." Beats ginseng or anything else that grows. Thrives in any soil or climate. Write for full particulars. **Burgess Seed Co., 3 A. J., Allegan, Mich.**

S. C. Black Champion Minorcas

Have led the way for 20 years. Send for descriptive matter. Hilldorfer Black Minorca Farm, Saxonburg, Butler County, Pennsylvania.



45 Varieties
Land and Water Fowls

Send for free illustrated catalogue, which tells you much you should know. Stock and eggs at all times. Mention A. P. J.

S. A. HUMMEL Box 52, Freeport, Ill.

A MILLION HENS USE
Wellcome's Famous
"Ideal" Trap Nest
Shows which Hen Laid the Egg
PLANS, TRAPS, RECORD SHEETS
F. O. Wellcome Box J Yarmouth, Me.
Write NOW for prices and proof.

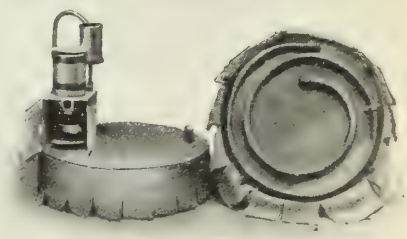
SEE THIS NEW
Poultry Band



The Kind That's Different

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. **Made for baby chicks and pigeons.** Free catalogue giving full particulars and prices.

F. A. MARSHALL
203 Bancroft Ave. - - Reading, Mass.



At the California State Fair
Sept. 13-20th, 1913.
We were awarded FIRST PREMIUM on
Incubators and Brooders

Also a **Special Diploma** on the **Brooder.** Note the lamp on top of hover, copper coil heater, steel coil radiator. No fumes, no danger, a **Godsend** to the poultryman. Send for circular.

The VICTOR INCUBATOR CO.
Decoto, California



DESTROY VERMIN

Drop us a post card for our FREE BOOK telling all about our most effective method of killing LICE, ROACHES, BED BUGS, etc. Our method is now in use by over 6,000 hotels and institutions. Write for FREE BOOK. The Insectolene Co., Dept. P, Box 113, Chicago, Ill.

Poultry Printing

125 Noteheads and 125 Envelopes, $1.00 prepaid. Noteheads, Envelopes, Cards, Tags, Labels, 100 of either, 50c; 250, 85c; 500, $1.40; 1,000, $2.40, prepaid. Circulars, Catalogs and Postcards at low prices. Cuts used. Samples for stamp.

MODEL PRINTING CO.
Franklin St. Manchester, Iowa

BOWMAN'S ROUP CURE

Is Guaranteed to CURE Roup or White Diarrhoea, or Money Back.

For sale by all dealers, 25 cents, or by mail on receipt of 35 cents. Manufactured by

J. H. REED : PARIS, ILLINOIS

We Have a Big Proposition for You



If you want one portable house for keeping a few chickens on your back lot, or if you want a number of colony houses, do not fail to write for circulars and prices on portable chicken houses. Many styles and sizes. Shipments made from coast to coast. Prices $9.00 to $50.00. Write for circulars to-day. Mention A. P. J.

The Lytle Lumber Company, Deshler, Ohio



COLORED LEG BANDS

Big Black Figures on White Background.

All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands, 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.

A. P. Spiller : Dept. A : Beverly, Mass.

$60 PER HEN PER YEAR

SEND A POST CARD TODAY for The "Why and How of the Miller System." You will see that we positively guarantee each hen will net $60 per year. Show our guarantee to your lawyer. Address MILLER SYSTEM COMPANY, 15 7th St., Binghamton, N. Y.



We are manufacturers and headquarters for

Meat Scraps and Poultry Bone

Hines Bros. Company
Dept. 1 Union Stock Yards Chicago



The Ideal FEEDER AND EXERCISER

Will feed any kind of poultry feed. Adjustable to feed any amount desired. Will pay for itself in six months. Increase your egg yield 25 to 40 per cent.

8-Quart Feeder....$1.75
12-Quart Feeder.... 2.50
20-Quart Feeder.... 3.00

Rain, sparrow and rat-proof. Feeders with legs, 50c extra. Our 15-quart dry mash feeder, $1.25. Fowls can't waste the feed. Can be hung up same as the others.

Agents Wanted

The Miller Anchor Co.
P.O. Box 293, Norwalk, O.

J. J. Campbell, Hartford, Conn. General Sales Agent

take page after page to publish a full list of all his winnings, but suffice to call your attention to his record of a year ago at Madison Square Garden, when he won six of the eight prizes on Barred Rock cockerels, including first prize and sweepstakes special for best cockerel in the show, also special prize for best cockerel mated pen.

As we stated before, there are very few of the old school left, and we wish you much luck, Mr. Hawkins, and hope you continue to win prizes for many years to come.

Mr. Hawkins has just published a beautiful illustrated catalogue; it tells all about his Royal Blue Barred Rocks, giving his mating list and prizes. It is free. Address A. C. Hawkins, Lock Box 25, Lancaster, Mass.—H. P. Schwab.

Best in the World.

Rather a strong statement, yet we think it has been proven in the case of Haldie Nicholson's Blue Orpingtons. Without a shadow of a doubt his record this year is a wonderful one; it stands without a peer and sets a standard that we doubt will ever be equaled. His Chicago Coliseum record was a wonder, but he wasn't satisfied; he went on to the Garden; another big winning there; to Boston, and turned the trick again. This record of winning blue ribbons at the three great shows of the country places his birds not only the leading Blue Orpingtons of America, but the entire world. Just read this list of winnings; then you will see why they are called the best in the world: Madison Square Garden—Won 1st hen, 1st and 5th pullet, 2nd and 5th cock, 2nd cockerel, 2nd and 3rd pen and best display; there were 109 in competition. At Boston he won 1st, 2nd and 3rd cock, 1st and 2nd cockerel, 1st and 5th pullet, 4th and 6th hen and best display; 52 in competition. At Chicago Coliseum he won 1st cock, 1st cockerel, 1st pullet, 1st hen and best display. This record, following the one of a year ago, when he took four first prizes at Madison Square Garden, is one to be very proud of. Along with this great Blue Orpington record is the winnings of his Barred Rocks. At Boston, in one of the hottest classes ever shown, he took 1st, 2nd and 6th cock; at the Crystal Palace Show, London, England, American class, he took 1st and 2nd cock, 1st and 2nd cockerel, 1st, 2nd and 3rd hen, 2nd pullet and international medal. This is just a few of his many ribbons, nor does it include the many winnings of his customers, showing in smaller shows. Now, if you are in the market for Blue Orpington or Barred Rock stock or eggs, be sure to write for his prices. Address Haldie Nicholson, Box 4, Leominster, Mass.

Oculum.

The following letter from a man in our home town shows what people who have used "Oculum" think of it. "The Hancock Inoculatum Company, Salem, Va. Gentlemen:—Accept this testimony from an Oculum user for years in your home town. It is a marvelous remedy as a tonic. The fine, plump, juicy broilers and pure, germless eggs it produces is 'too good to be believed.' I lost 4200 chicks from white diarrhœa and 300 hens from cholera before I got on to Oculum. The following year I hatched 2500, and lost less than five per cent. No more mouth remedies for me, for disease paralyzes the crop and they can't get to the disease; but Oculum is injected and gets there every time. The 'man from Missouri' will soon get the Oculum idea through his noodle, then look out for business. Yours truly, Speedwell Poultry Farm." You will find the Oculum advertisement in this issue; it is very highly endorsed.

Going Some.

Rather a slangy expression that, but it sure tells the story of the Foxhurst Farm at the recent New York Madison Square Garden Show. Showing their Single Comb Champion Black Orpingtons, they won a list of prizes that made everyone sit up and take notice and which will go a long way towards making the history of Lime Rock, Conn., the town where the Foxhurst Farm is located.

In pullets they made a clean sweep, taking 1st, 2nd, 3rd, 4th and 5th; in cockerels they took all but one, winning 1st, 3rd, 4th and 5th; hens, they took 1st, 2nd and 3rd, and also 1st, 2nd and 4th cocks, making a record of every first prize in S. C. Black Orpingtons, with the exception of pen. This record stands out



The General says:-

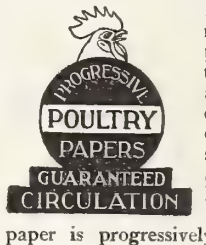
The roof goes on last—but think of it first. It's the final protection for buildings. This label stands for 15 years of guaranteed service *at least*—when you buy

Certain-teed ROOFING

—and it means that the 3 biggest roofing mills in the world are behind the reliability of your purchase. There is no *test* by which you can judge roofing. The **Certain-teed** label is your protection.

Your dealer can furnish **Certain-teed** Roofing in rolls and shingles—made by the General Roofing Mfg. Co., *world's largest roofing manufacturers.* East St. Louis, Ill., Marseilles, Ill., York, Pa.

Get Acquainted



Modern advertisers rightfully expect the publications in which they **buy** space to guarantee and prove the circulation of each and every issue. Certain such papers are known as the **Progressive Poultry Papers.** Each publisher of such paper is progressively atriving to furnish their readers with live, scientific, up-to-date reading matter and agrees to prove his circulation, promote and protect the advertisers interests by refusing objectionable advertising. It will pay advertisers to get acquainted with these papers. For list of papers, rates and circulation information address

E. J. W. DIETZ
Publishers Special Representative
919 Advertising Bldg., Chicago

MADISON SQ. WINNERS



Over 43 prizes and specials in the Garden. 4 firsts on Rose and first on Single Comb Brown cock in one year.

The two best strains of Browns bred. They win. They are large and lay up to 242 eggs to a pen. Large eggs.

Breeding and show stock. Egg $2, $3 and $5 per 15.

Rose Comb White Leghorns—Large white birds, large eggs, 244 eggs to a pullet best record. Winners.

Single Comb Whites—236-egg strain. Plenty of white low-tailed cockerels.

White Wyandottes — Duston and Regal. Cup winners.

Barred Rocks — Bradley. S. C. Reds — Tompkins. Catalog.

W. W. Kulp, Box 70, Pottstown, Penna.

COL. WYANDOTTES
Beautiful—Profitable—Great Winter Layers—Prizes at leading shows. Stock and eggs for sale. State what you want. Circular free. **H. H. Hewitt, Box 427, Williamsburg, Pennsylvania.**

Whatever you need in
R. C. Reds
Address, C. E. RILEY, 431 Fargo Ave., Buffalo, N. Y.



ADJUSTABLE CLINCH — NO BETTER
Poultry Leg Bands Made
25, 20c: 50, 35c: 75, 50c: 100, 65c; 200, $1.00. No stamps taken. Frank Cross, Manufacturer, Box 506, Montague, Massachusetts

50c THE SIMPLE TRAP NEST 50c
Separates the drones from the layers. Made in a few minutes from a common box or egg case, by attaching the simple device I send you. A cheap, practical trap nest that cannot get out of order. Send 50c for complete printed and illustrated instructions and device for making your own trap nests. Nothing else to buy. **Geo. A. Blood, Bellwood, Ill.**

WARM WATER---GET EGGS
A Little Putnam Stove; 9 inches diameter; 4 inches high; fire proof; keeps poultry fountains from freezing in coldest weather; holds 3 pints oil; **burns a month without refilling or trimming**; prevents frosted combs; extra eggs pay for stove every week. Used in empty box makes perfect oat sprouter. **Price $1.00 postpaid.** Satisfaction or money back. Canvassers wanted every where, and an agent at all poultry shows. Circulars with testimonials free. I. Putnam Route 105, Elmira, N. Y.

Barry Farm
S. C. White Leghorns
H. R. BARRY, Owner
Box 117 Far Hills, N. J.

Money Making Poultry
Our specialty. Leading varieties, pure bred chickens, turkeys, ducks and geese. Prize winners. Best stock and eggs. Lowest prices, oldest farm, 29th year. Fine catalog FREE.



H. M. JONES CO.
Box 152, Des Moines, Ia.

S. C. BROWN LEGHORNS
Winners at Buffalo, Dec. 1913
Our winnings prove our quality. We won: Cockerels, 1-3-4. Pullets, 1-3-4-5. Cock, 2. Hens, 2-3-4. Pen, 1. Display, 1. Selected Exhibition and Breeding Stock for sale. Eggs in season—the kind to please.
Rockfellow & Hubbard
49 La Fayette St., New Haven Conn.



All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Pettey, State St., Belvidere, Ill.

Corning Feed Mixer
The most thorough, quickest. Mash and Grain Mixer made. It whirls the materials around, and back, and forwards, so that every particle is thoroughly mixed. Absolutely no other mixer to compare with the "**CORNING**" in any way. 3 sizes **HAND POWER**, capacity 12 quarts, $15.90; **HAND** or **POWER**, capacity one bushel, $50.00; two bushel capacity **POWER MIXER**. $75.00. Every breeder of any size needs a real mixer, a Corning Mixer. **It saves time, feed and money**, and gives so much better results from your flock than you can secure in any other way. **ILLUSTRATED CATALOGUE FREE.** Write today.



WILSON BROS., Dept. C. C., Easton, Pa.

all the more when you take into consideration that the Foxhurst birds have been the largest New York Garden winners for six years, a record that stands alone. This farm makes it a business to win at New York, then mate their pens with these winners, so as to give their customers real ribbon winners; therefore if you are in the market for stock from a consistent winning and line bred strain, don't overlook the Foxhurst Farm. Just drop them a postal to Box A, Lime Rock, Conn., and they will send you their handsome new catalog.

Danville Show.

The 20th annual exhibit of the Vermilion County Poultry Association, held at Danville, Ill., was the most successful in the history of the association. The classes were well filled and many birds of good quality entered.

The leading classes were Barred Rocks, Rhode Island Reds, Buff Orpingtons. Black Langshans, Black Orpingtons and White Faced Black Spanish.

The weather was delightful, allowing the public to attend regularly, and as a result the receipts far exceeded the expense, the show closing with a nice little reserve fund for next season.

During the progress of the show the association held its annual meeting, electing a full set of officers for the coming year; each one elected is a booster and a power in himself, pledging to make the 1915 exhibit greater and better than the one just closed.—J. C. Johnston.

Sunlight Poultry Farm.

Sunlight Poultry Farm, with E. N. Lemon as proprietor, is situated near Lynchburg, Ohio, and breeds S. C. White Leghorns exclusively (D. W. Young strain), and is one of the most up-to-date farms in Ohio. With its clean, well ventilated houses, its grassy fields, over which his birds are at liberty to roam at will and last, but not least, his beautiful snow-white flock of the S. C. W. Leghorns, surely make a pleasing picture. His breeders are on unlimited range the entire year, which is the only way to obtain the best of fertility in hatching eggs and good, strong, healthy, livable chicks. The chicks are all hatched in Mammoth Incubators, and grow and thrive from the start and develop into vigorous birds. Raising show birds is not the object on this farm, but Mr. Lemon is trying to build up a strain of layers which cannot be surpassed, and he surely has succeeded. Although the sire of all the male birds on the farm this year was first prize cockerel at the Cincinnati show in January, 1913, and their grandsire was Edward XLIV, owned by D. W. Young and the best male bird ever shown.

His prices are within reach of everyone, while his birds are eligible to enter the show-room if you wish them for that purpose. His catalogue is free and he will be pleased to mail it to anyone for the asking. Adv. appears on another page of this magazine. Mr. Lemon pays all expressage on eggs and chicks, which means a great saving to his customers. Address Sunlight Poultry Farm, Lynchburg, Ohio.

Give Report from "Actual Users"

The attention of our readers is called to the advertisement of the Cyphers Incubator Company, page 193 of this issue, which gives interesting reports from owners of the Indoor Sectional Paradise Brooders manufactured by this company. Following is another sample report, which is published at the request of the Cyphers Company:

"Hope, Ind., March 4, 1913.
Cyphers Incubator Co., Buffalo, N. Y.
We are having splendid success with our paradise brooder purchased of you—the one you sent us by express. It is being operated in a room 12x14 feet, with fairly good light. We aim to keep the chicks in the brooder from eight to twelve days, placing fifty chicks in each section. As we have three sections of the Paradise it gives us a capacity of three hundred chicks at one time. We do not hesitate to put of different ages in the several sections of the brooder and results have been very satisfactory. This is our second season with the Paradise and it continues to do splendid work. Must say that it is the best brooder we ever used as a 'chick nursery.' It would be hard for us to give up this brooder. J. C. Fishel & Son."

The reader is requested to look up the Cyphers Company's full-page advertisement of this brooding device on page 193 of this issue.


35 VARIETIES Chickens, Ducks, Geese, Turkeys, O. I. C. Hogs. **STOCK AND EGGS. REDUCED PRICES.** Big new Illustrated circular, better than ever. FREE.
John E. Heatwole, Harrisonburg, Va.

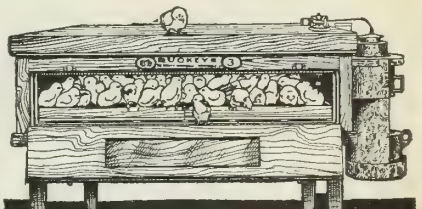
Plain truth is, you will have no lousy hens if you paint the inside of your henhouse with **AVENARIUS CARBOLINEUM** (Registered) once a year. It is guaranteed. Write for circulars and testimonials.
Carbolineum Wood Preserving Co. Dept. 50, Milwaukee, Wis.
Beware of imitations



CORNELL GASOLINE
BROODER HEATER
Improved 1914
Equal to five Kerosene Heaters
Recommended by the New York State College of Agriculture



Cares for 250 Chicks
Needs little attention
No lamps to trim
No ashes, dirt or soot
Absolutely safe
Perfect ventilation
Send for Free Catalog
TREMAN, KING & CO.
Dept. 306, Ithaca, N.Y.
Man'f'rs of Poultry House Appliances



THE
BEST JUDGE OF
Incubators
IS THE MAN WHO SELLS THEM

He must know—because his reputation is at stake in every sale. He cannot afford to risk losing your trade by selling you a machine which will not do what the manufacturer claims for it. On the other hand, you take absolutely no chance when you buy an incubator which is backed both by the manufacturer and dealer with such a broad, sweeping guarantee as we offer with the

"BUCKEYE"
It is
GUARANTEED
to hatch every hatchable egg. There are no exceptions and no strings to this statement. Anybody can hatch chickens with a "BUCKEYE." Sold and guaranteed by over a thousand dealers. Over 325,000 in successful operation.

OUR FREE CATALOG
tells why the best dealers prefer to sell the "BUCKEYE." Let us give you the name of the "BUCKEYE" dealer in your town who will be glad to show you the machine in operation and prove to you that it will hatch more and better chicks than any old hen or incubator you ever owned. Write us today.

THE BUCKEYE INCUBATOR CO
501 Euclid Ave., SPRINGFIELD, OHIO

Made in 5 sizes and Sold As Low As $10.00

Eastern Breeders' Notes.

BY H. P. SCHWAB.

Mr. Porter Elosser, Cumberland, Md., won all honors at Washington and nearly all at Baltimore with his Black Langshans. His first hen was the beauty of the Wasnington Show, a wonder in type. His mating list is ready. Get one.

The "Maryland Strain" of Barred Plymouth Rocks, bred by Mr. R. J. Walden, Middleburg, Md., won more honors at Baltimore. The feature of the show was Mr. Walden's display pen of the five hens that won highest honors two years at the Storrs Egg-Laying contests. This year Mr. Walden has won at Williamsport, Hagerstown, Philadelphia, Baltimore, etc.

C. A. Keefer, "Edgemere Farm," Muskegon, Mich., again made a clean sweep on Orpingtons (Buff and White) and Silver Campines at the show which just closed in that city (over 1100 birds exhibited). His winnings were as follows: Buff Orpingtons—Cocks, 1-2-3; cockerels, 1-2-3; hens, 1-2-3-4; pullets, 1-2-3-4; first and second pens; silver trophy, best pen Buffs. White Orpingtons—Cocks, 1-2-3; cockerels, 1-2; hens, 1-2-3-4; pullets, 1-2-3-4; pens, 1-2. Silver Campines—Cocks, 1-2; cockerels, 1-2-3; hens, 1-2-3-4; pullets, 1-2-4; pens, 1-2; association's $50 sweepstakes trophy for best display of birds. Several well-known judges visiting the show pronounced his Campines something remarkable and the first prize cockerel by far the best they had ever seen, while the Orpingtons were of the usual high class exhibited by Mr. Keefer.

Dune Alpin Leghorns have a character all their own. Their winnings for years have improved. This year at Hagerstown and Palace, New York, they have won about all in sight. Manager Geo. J. Kerr not only knows how to breed, but is a wonder in conditioning. His success is due.

Zion City White Orpingtons.

Up at Zion City, Ill., there is one of the best small poultry farms to be found in the country. The owner, Mrs. John Harnly, specializes in White Orpingtons and has been a consistent prize winner wherever she exhibits, including such shows as Chicago Coliseum, Springfield State Show, Milwaukee and Indianapolis.

When she started in the chicken industry she scoured the country so as to get the very best, and a great amonnt of her success came through making her foundation so strong. She has continued to build until today she is shipping winning birds to customers all over the country.

You will find that Mrs. Harnly's prices are very reasonable and her birds and eggs of the best quality. Be sure to write her for prices. Address Mrs. John Harnly, 2301 Elisha Ave., Zion City, Ill.

Licene Kills Lice and "Nits."

When other lice killers fail, try Licene. It does the work every time. Send to the Licene Co., 1500 Pontiac Building, Chicago, Ill., for a tube of Licene, price 50 cents, and they will send you enough Licene for 200 birds. This firm will refund your money if you are not satisfied.

Hon. W. W. Graves, justice of the Supreme Court of the State of Missouri, says: "Jefferson City, Mo., Dec. 28, 1913—I think Licene is the stuff. Of course we are not troubled so much with lice and nits this

BONNIE BROOK POULTRY FARM

S. C. White Leghorns White Plymouth Rocks
Win Highest Honors at Boston's Great Show, 1914

S. C. WHITE LEGHORNS

In a beauty class of highest merit with 134 birds competing against 14 prominent breeders our birds won a record of superior value, viz.: Cocks, 1, 6; hens, 5, 6; cockerel, 5; pullet, 4; pens, 3, 4; special for males and females and cup for best male.

WHITE PLYMOUTH ROCKS

In a royal class of 180 birds, the largest class out this season, representing 27 breeders, we won: Cock, 1, 2; hen, 2, 5, 6; cockerel, 3; pullet, 2, 5; pen, 5; specials for best cock and 3 hens; best cockerel and 3 pullets; best display, and $100 championship cup for best White Plymouth Rock male. These records stand for

SUPERIOR QUALITY AND PRACTICAL WORTH

Stock For Sale Eggs For Hatching Baby Chicks

We are fully prepared to supply all wants in our lines with absolute assurance of satisfaction in birds, eggs and baby chicks. Write your wants, also for our large catalogue. Special sale of Quality Leghorns now.

BONNIE BROOK POULTRY FARM Mr. L. C. Bonfoey, Manager SARATOGA SPRINGS, NEW YORK

HARVARD REDS WIN

At New York (Madison Square Garden) and at Boston

THE EASTERN TROPHY CUP

of the RHODE ISLAND RED CLUB OF AMERICA, the most coveted cup for best display of BOTH COMBS, the CHAMPIONSHIP CUP for BEST MALE OF EITHER COMB, and TWO OTHER BEST DISPLAY SPECIALS.

THIS GREAT WINNING at America's Two Premier Shows, which includes FIVE FIRST PRIZES, FOUR SECONDS, EIGHT SHAPE AND COLOR SPECIALS and TWENTY-FIVE OTHER RIBBONS

Definitely Establishes the UNITED BREEDERS' Claim of

"THE WORLD'S BEST RHODE ISLAND REDS"

HUNDREDS OF GOOD BREEDING BIRDS OF BOTH COMBS, $5 TO $15 EACH
BREEDERS WITH EXHIBITION QUALITY, $20 UP

WRITE AT ONCE FOR BOOKLET, "THE FIRST CO-OPERATIVE ORGANIZATION OF POULTRY FANCIERS"

LEARN How we RE-PURCHASE anything originating with us, WHEN YOU NO LONGER WANT IT; How we sell EGGS FOR HATCHING and INSURE YOU AGAINST DISAPPOINTMENT OR LOSS. MATING LIST NOW READY—ASK FOR IT.

UNITED BREEDERS, Inc., 314 Pond St., South Braintree, Mass.

Address all Correspondence, and make all Remittances payable, to THE COMPANY, Not to Individuals.

season of the year as we will be next summer, but from the trial given I believe Licene will do the work, and with so much less trouble than most remedies. —W. W. Graves."

—o—

Brooders.

The Duplex Colony Brooder means a new day dawned for the poultryman. It is going to make it just as easy to raise chicks as it is to hatch fertile eggs. It will turn out just as large a per cent of natural fowls as incubators will chicks from fertile eggs. This may sound like a strong assertion, but if you will read the little booklet called Duplex System of Colony Brooding you will be convinced that it is a wonderful machine. There was never a chick raised by Duplex Colony Brooding System that had white diarrhœa, because the ventilation system is part of the stove and the poison is carried away as fast as it forms. This insures the chicks against the most deadly of poultry diseases

These Duplex Brooder Stoves come in three sizes and are equipped to burn gas or cheap oil. They have the automatic regulator which maintains the desired temperature in your brooder house automatically, regardless of temperature outside.

All in all it is a wonderful machine and should raise enough more chicks out of the first lot to pay for its installation.

You want the best results, so write for their catalog. Address Duplex Colony Brooder, Catalog Dept., Rockford, Ill.

—o—

Where to Buy Day-old Chicks.

Many readers are perplexed right at this time as to where it is most advisable to place their orders for day-old chicks or eggs for hatching. Of course you want chickens at as low a price as you can buy them, still you do not want to sacrifice price for quality.

One of the first considerations is to purchase from a firm who you know takes particular pains to keep its breeding stock up to top notch; one that not only has the best blood lines obtainable, but also keeps them up in a good strong, healthy condition. The second consideration, perhaps the most important, is to be assured that your chicks are well hatched. Ninety per cent of the chicks that die each season can be traced directly to improper incubation. It has been proven that chicks will hatch under all kinds of conditions and varying temperatures, and yet if the proper amount of ventilation, the proper amount of moisture applied at the critical period, the correct temperature at all stages, the correct cooling and airing of the eggs, are not all taken care of properly, chicks may result but they are far from well hatched.

The Goshen Poultry Farms have from the start given this subject their utmost attention. Their man in charge of the hatching department has made a life study of artificial incubation and today their chicks have a reputation that reaches from coast to coast for vitality, hardiness and livability. You want every chick you purchase to be a living monument to your success. If you are interested further, write for their catalog. Address Goshen Poultry Farms, Route 7, Goshen, Indiana.

The Regal Egg Carrier is what you want.

$ 1.80 . . . . . per dozen
6.50 . . . . . per 50
12.00 . . . . . per 100

Bred to Lay **EXHIBITION WHITE ORPINGTONS**

THE GREAT WINNINGS OF THE PAST SEASON PROVE

FISCHER'S STRAIN WHITE ORPINGTONS

The Best In The West and Second to None

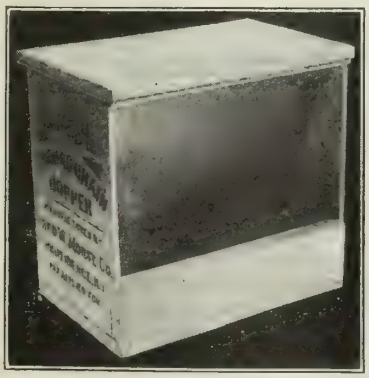
Winning five firsts and all specials, Coliseum, St. Louis, 1913. Four firsts and specials, Arkansas State Show, 1913. Three firsts and specials, **American White Orpington Club Show,** Cincinnati, 1913. **1100 birds to select from. Eggs for hatching. Baby chicks.**

WRITE FOR FREE CATALOGUE

SHAWNEE POULTRY FARM, Josesph H. Fischer, Mgr. **Box M, Shawneetown, Mo.**

Successful Poultry Hoppers

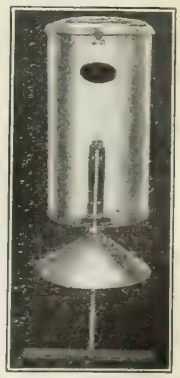
are more than mere receptacles for grain. The efficiency of a dry mash hopper depends upon its ability to maintain a uniform supply of mash under all sorts of conditions without waste. The efficiency of an automatic feeder lies in its ability to meet the requirements of every bird, regardless of age. It is a comparatively simple matter to make a mash hopper of iron or wood and a little wire; it is equally simple to combine a pail and a rod and a few fixings and call it an automatic feeder; but to prevent clogging and waste in a dry mash hopper under all conditions, to feed any desired amount and maintain regular agitation in an automatic feeder is a feat that only the highest type of mechanical ability, combined with years of practical poultry experience have been able to accomplish. If t had been an easy feat, the



DRY MASH HOPPER

Gillette
Poultry Hoppers

would have been given to the public five years ago. The superior efficiency of the Gillette Hoppers has been completely and emphatically demonstrated, and it is a significant fact that the most profitable flocks of poultry in the world are fed by the Gillette Hoppers.



AUTOMATIC FEEDER

Whether you keep 10 chickens or 10,000, you surely will want to investigate by an actual trial order our 12-qt. Dry Mash Hopper at $1.00, or our 16-qt. Automatic Hopper at $2.50, or both.

Delivered anywhere east of the Mississippi. These hoppers are the same in every detail as the hoppers used by so many successful poultrymen everywhere. We guarantee satisfaction or refund your money. Printed matter for the asking. Mention A.P.J.

Fred W. Morse Co., Providence, R. I.

Hard Luck

Shipping their birds from Greensburg, Indiana, on Saturday night and not arriving in Boston until Tuesday morning, and then reaching their destination in a temperature of five below zero, only to be on the floor a couple of hours before judging, was the experience of C. J. Loyd & Son. It was surely hard luck, for sixty hours on a railroad does not help birds in the least.

With all of this they captured 2nd, 4th, 5th and 6th pullet, 3rd, 4th and 6th cock, 6th hen and 3rd pen—a very good record when you consider the circumstances. At Columbus they won 2nd, 3rd and 4th cock, 2nd, 3rd and 4th hen, 1st, 3rd and 4th cockerel, 1st, 3rd and 4th pullet, 1st, 2nd, 3rd and 4th pen, cup for best Plymouth Rock display and cup for best and largest display in show. Loyd & Son together with their prize winning Partridge Rocks are known wherever they show birds.

Welcome, Mr. Wideman.

The Mound Hill Farm of Seville, Ohio, has a new member in their firm, Mr. J. C. Wideman, the well-known owner of a large string of Tom Barron stock, the history of which most readers are familiar with. The firm will remain under the same name with S. D. Hall as manager. With the added stock and increased facilities, including a Hall Mammoth incubator which they recently installed, they are in a position to handle your baby chick wants better than ever. A good firm and two mighty fine men to do business with, let them quote you prices. Address Mound Hill Farm, Seville, Ohio.

How to Raise Chicks.

On another page of this issue you will find the advertisement of Dr. J. J. Boone of Mt. Victory, Ohio. He is making a



Unretouched Photo First Prize White Orpington Pullet Chicago, 1913.

HARNLY'S QUALITY WHITE ORPINGTONS

AT LAST! From my own matings I have won the highest honors to be accorded in America. My **First Prize Chicago Pullet,** likewise my **First Prize** and **Second Prize Cockerels** and **First Prize Hen,** at the **Great Wisconsin State Fair, September, 1913,** were bred from my own matings and owned by me. Send for my list giving winnings at **Racine, Milwaukee, Springfield, Indianapolis** and **Wisconsin** and **Illinois State Fairs.**

Eggs from twenty high class matings $2 to $15 for fifteen Eggs, fertility guaranteed. Breeders and Baby Chicks,

MRS. JOHN H. HARNLY, 2301 North Elisha Ave. ZION CITY, ILLINOIS

ORPINGTONS

BYERS' STRAIN

Buff, Black and Pearl White

The Greatest producing line in America.
The Greatest producing line in America.
The Greatest producing line in America.

—FIFTEEN YEARS of Expert Breeding has established this fact.

300 CLASSY BREEDING MALE BIRDS AND PLENTY OF FEMALES FOR SALE

Remember, birds I sell are correctly mated. Catalog free if you clearly state your requirements.

C. S. BYERS (Orpington Specialist 15 Years) Hazelrigg, Indiana

Standard Line Bred Single Comb White Leghorns Exclusively

Chicago Show, 1914
Easling Wins

In the largest class at the show, **All Specials, Silver Cup** for best display and **ten** regular **first, second, third** and **fourth prizes** on my entry of fifteen birds.

Have you ever heard of Parkside Poultry Farm?



1st Prize Cockerel, Chicago, 1914

Parkside Farm is not a rich man's hobby. It is a place where **prize winners** are **bred, hatched, raised** and **sold** to people who cannot raise such birds. I have won **more** prizes at **Chicago** in the last **seven years** than all my competitors combined, and my policy of breeding and raising the birds I show meets with the **universal approval** of all the intelligent breeders who come to me for stock of a quality that will **reproduce themselves in natural pure white color** and the best of **TYPE, SHAPE** and **HEAD POINTS.** I have furnished winners for every show of any note and **my stock is better this year than ever before.**

Easling's New 1914 Policy Is a Winner

Under my new policy there will be only **one price** for **eggs** and **chicks** from **exhibition matings.** From now on I will have only one price and will furnish **eggs from first prize Chicago winners for $5.00 per fifteen or chicks $10.00 per dozen.** Before you buy get my 1914 policy of doing business, it tells you how I can afford to do this and **why** you cannot afford to purchase elsewhere. It will greatly interest anyone who breeds White Leghorns and you will miss something if you don't send me your name and address. **DO SO NOW. CATALOGUE FREE.**

THE PARKSIDE POULTRY FARM

N. P. Easling, Prop. - Box 40 - Pekin, Illinois

specialty of day-old-chicks and goes a little further than some breeders by agreeing to furnish complete instructions on how to raise 95 per cent of all birds you buy from him. He also states satisfaction guaranteed. Write for his prices as he is booking a great many orders every day. Address Dr. J. J. Boone, Mt. Victory, Ohio.

———o———

All eyes on "Dr." Whiting at the Philadelphia and New York Poultry Shows and as usual he made good. When in distress the poultrymen invariably seek out the "doctor" at the shows; they don't want to risk the loss of a bird, as well as a ribbon, and as good news travels fast, so has Whiting's fame. With Roupene the "doctor" never fails to turn the trick, and many the bird at death's door does he rescue from an early grave, or the hatchet. Mr. Walter C. Young takes off his hat to Mr. Whiting, and well he might—with a blue ribbon winner at stake. See what Roupene did for his best bird: "During the Philadelphia Poultry Show one of our R. I. Red Cockerels contracted a severe cold, which closed both eyes and nearly closed the windpipes. Thursday A. M. he was barely alive. Mr. Whiting treated him with his Roupene, and Saturday he was on the way to the New York Show in fine condition. At Philadelphia this cockerel won blue ribbon and cup for best bird in the Show, and is a ribbon winner at Madison Square Show. If Roupene will do things like this for me in the open show room, then what could it not do at home. I never saw anything that could do the work so quickly and thoroughly as does this remedy. Very truly yours, Schenley Heights Poultry Farm, (Signed) Walter C. Young, Manager."

Ask the O. K. Company of New York, distributers of Whiting's Remedies, for free printed matter, and if you are skeptical I have known them to send out even a full sized bottle, without the cash in advance. Remember, there is a guarantee with every bottle.

———

Mr. J. A. Bickerdike, formerly of Millersville, Illinois, has located in the Rogue River Valley at Medford, Oregon, where he is still interested in White Rock fowls. Mr. Bickerdike has won many prizes both locally and at big shows with his stock. Recently he has been interesting himself in a new book of pedigree poultry which he has ready for sale. This book has been compiled from years of experience with poultry and his success in this has been credited to the fact that he has trap-nested for years and has now become authority in these matters. What he has written on this subject is interesting reading to those who raise poultry for either show or utility purposes.

Adair of Millersburg.

J. T. Adair of Millersburg, Ky., has a fine a lot of S. C. Black Orpingtons as yo will find and they always get their shar of blue ribbons. The type is grand and th color wonderful—green, glossy black, with out a trace of purple or any other foreig color. His Cincinnati winnings were firs old and first young pen, first and fifth hen third cockerel, fourth pen and best displa for Black Orpingtons. His matings ar made up of these and many other winners Write for list and catalog.—H. H. Coburn

———o———

Parsons at Toledo.

The Parsons S. C. White Orpingtons showing at Toledo January show took three firsts, two seconds, one third, two fifths and three silver cups. The cups were best cockerel, best pullet and best display. It was a large and strong class, with many exhibitors. Their mating list for the year is now ready; write for it. Address Parson's Poultry Plant, Avon Lake, Ohio.—H. H. Coburn.

———o———

New Management at Shawnee.

The Shawnee Poultry Farms, located at Shawneetown, Mo., has recently changed management, but it will retain the famous

U. R. FISHEL'S AD in this issue will interest you. Read it.

SILVER GOLDEN CAMPINES

Pinehurst Silvers won at Cleveland in fast company, First Cockerel, First and Third Pullet and Second Pen on five entries. Choice Cockerels for sale. Grand Pens mated for egg trade.

PINEHURST FARM, G. M. Smith, Prop., OBERLIN, OHIO

HOBBS' BUFF MINORCAS

THE NEW CREATION AND COMING BREED

Look out for the boom. Investigate them today. Photos and catalog free. Stock, Eggs and Baby Chicks.

Also Buff Orpington Ducks

O. K. HOBBS, -:- HICKORY GROVE, KY.

TRAPNESTING

There is an enormous profit in poultry breeding. The time has past when Chickens are raised and barely given the existence food for preservation of life. They are fed now scientifically and with a view of getting the best out of the investment. Men have been paying strict attention to this for years with wonderful statements of results. One hen had the world's record for egg laying. Lady Show You laid 281 eggs in one year and being of good breed, fed properly, she was able to bring her owner the nice sum of $800.00.

She was a trapnest hen and her owner, J. A. Bickerdike was satisfied with the experiment.

Link Your Profits Together

HENS

Cull out the drones and worthless fowls from your stock. Be able to know where your profits lie in your poultry yards. Trapnesting is the surest way of doing this. Both the quality of the fowls and the record of eggs are necessary to accomplish the best results in poultry raising.

USE THE BICKERDIKE TRAP NEST

and get results.

J. A. Bickerdike produced the famous Lady Show You hen that sold for $800.00.

You can do as well by using the Trapnest to cull out worthless stock and improve what you desire to keep.

EGGS

You should know how to feed for vigor and get the best results from your hens during the time of year when eggs are high and hard to get. J. A. Bickerdike has prepared a new book on this subject, and many others that all poultry raisers should take advantage of reading and know where they have failed to make the biggest profit out of their poultry.

This book is the result of years of careful study and experiments in poultry raising.

PEDIGREE POULTRY RAISING

One Dollar by Mail

SPECIAL OFFER

For a limited time we will send to your address both the Trapnest and the book, Pedigree Poultry Breeding for only One Dollar. This includes right to make and use, full instructions for making and operating, all charges prepaid. We guarantee satisfaction or money back. Address,

Medford Trapnest Co.

Dept. A2 Medford, Oregon

fischer birds, which have won so many ribbons in past years. This firm uses good, honest treatment in all of their dealings, and by these means they have built up a very large business. They devote their time and attention to breeding White Orpingtons exclusively.

—o—

The Cleveland Poultry Breeders' Association Show.

From January 5th to 10th the Cleveland Poultry Breeders' Association held their second annual show at Grays Armory, Cleveland, Ohio. A year ago I prophesied a great future for this association and this came to pass, as was shown by the large attendance and the twenty-two hundred entries. There were about a hundred silver cups and many special ribbons donated by members and fanciers' clubs—the cups ranging in price from ten to fifty dollars. The officers of this association are J. O. Somers, president; Dr. R. H. Lunkle, first vice-president; G. W. Cunningham, second vice-president; J. B. Holmden, treasurer; I. H. Busch, superintendent; A. E. Rehburg, secretary; these and Dr. R. Lindhorst and D. H. Hopkins make up the executive committee. The directors are C. Ackerman, R. Brooker, C. Kriews, G. Poulson, C. Rehburg, F. Stien, A. Swoboda, A. Thompson, O. Wojahn, W. G. White and C. Zeck. I have never had the pleasure of meeting a finer bunch of gentlemen in all my life. Everything was carried on in first-class shape, ribbons and premiums being paid promptly. The association has a firm financial foundation and they have one of the best shows in the country. Some of our advertisers who were successful were R. D. Owen of Creston, Ohio, his S. C. Wyandottes won 2nd and 3rd hen, 1st and 3rd pullet and 1st pen; Carvers Red Farm with R. C. Reds, won 1st pullet, 3rd hen and 3rd pen; M. C. Deloof of Willoughby, Ohio, 3rd cockerel, 4th hen and 3rd cock; H. H. Holmes of Ashtabula, Ohio, 5th cockerel; W. F. Zimmerman of Willoughby, Ohio, 1st cock, 2nd and 3rd pullet and 5th hen. With S. C. Reds, B. M. Billings won 2nd cock; Carver's Red Farm, Seville, Ohio, 2nd and 3rd cockerel, 5th pullet and 3rd pen; Belle Vista Farm, Mrs. J. Warren, Mentor, Ohio, 3rd cock. With S. C. Buff Orpingtons, Wm. Cook & Son won 1st cock, 3rd hen, 1st and 2nd cockerel and 1st pen; Roseland Poultry Farm, South Euclid, Ohio, 5th cockerel, 4th cock, 2nd pullet, 5th hen and 4th pen. With S. C. White Orpingtons, Wm. Cook & Son won 1st cock, 1st hen, 2nd cockerel and 1st pen; R. H. Lindhorst, Cleveland, 3rd cock, 4th hen, 1st cockerel, 1st, 2nd and 4th pullet and 2nd pen. With S. C. Black Orpingtons, Parsons Poultry Plant of

THORNILEY'S ANCONAS Specialty Breeder of The Best Single Comb in America

SHOW STOCK, CHICK EGGS AND LINE-BRED WINTER LAYERS FOR SALE REASONABLE. CIRCULAR FREE.

WILLARD J. THORNILEY R. D. No. 1 Box 36 MARIETTA, OHIO

SENSATION STRAIN R. C. REDS

WON AT BUFFALO, 1913—2 Cock, 2 Pullet. ASHTABULA—1-2 Cockerel, 1 Pullet, 1 Pen, 4 Cock, Best Display. CLEVELAND, 1914—4 Cockerel, 5 Cock. These winners in pens, mated for Egg trade. Choice stock for sale. **H. H. HOLMES, 49 Lockwood Street, Ashtabula, Ohio**

BLUE ORPINGTONS Best Nicholson and Imported Stock. Fine matings. Eggs, $5.00 per 15. Most beautiful and useful of all the Orpingtons. Circulars. ADOLPH LEHNE - - Mechanicsburg, Ohio

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To be successful you must know your fowls—know what to do when they are sick—how to prevent it occurring again—know just what to feed them—how to care for young chicks so as to raise them into strong vigorous chickens—the right and wrong kind of a poultry house—just when to set your hens—all about incubators and brooders—all about eggs. In fact these are just a few of the many things you must Know and which will be found in

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It covers all classes of poultry and answers questions not only for the fancier but also for the market poultryman. Theories and undemonstrated deductions are eliminated—it gives the positive conclusions arrived at by the experience of acknowledged authorities and the world's most successful breeders. It is presented in the form of questions and answers to respond to a universal demand for knowledge in a few words and right to the point. No matter what you want to know, the question and answer will be found in this 130 page book.

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THAT WILL LIVE, THRIVE, GROW AND WIN FOR YOU

S. C. Rhode Island Reds
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S. C. Buff Orpingtons
S. C. Black Orpingtons
S. C. White Orpingtons
White Wyandottes
S. C. Black Minorcas
White Plymouth Rocks
Barred Plymouth Rocks
Buff Plymouth Rocks
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Eggs for Hatching in Any Quantity, Prepaid

Shipments guaranteed to reach destination safely. All dead chicks replaced. Book your order now. Our equipment includes the highest priced machines on the market backed by our twenty years' experience in hatching and breeding enables us to furnish you chicks that are well hatched, vigorous, strong and healthy. Hundreds of satisfied customers. Our aim is to furnish you the Best chicks, not the cheapest in price. Poorly hatched chicks always prove expensive items. Start right by sending for our chicklet catalogue today.

Our Show Record Includes Chicago, New York and Indianapolis Winners

Many first prizes have been won by our birds at these National Shows in the past. Our breeders are placed in condition for producing strong, healthy, fertile eggs by December 1, consequently for the present we will not exhibit, but can furnish you Baby Chicks that will grow into winners for you. Our chicks are well hatched and we can quote you extremely low prices on them. Be sure and get our catalogue. Sent free upon request.

GOSHEN POULTRY FARMS Route 7 GOSHEN, INDIANA

Avon Lake, Ohio, won 4th and 5th cock; Wm. Cook & Son, 2nd cock and 1st pen. With Silver Campines, Gensemer Bros. of Creston, Ohio, won 2nd cock, 1st pullet and 1st and 3rd pen; G. M. Smith of Oberlin, Ohio, 1st cockerel, 3rd pullet and 2nd pen. With Golden Campines, Gensemer Bros. won 1st cockerel, 1st hen, 1st and 3rd pullet and 1st, 2nd and 3rd pen. With Jubilee Orpingtons, Cook & Son won 1st pen and they also won 1st pen with Blue Orpingtons. With Red Sussex, Carvers Red Farm No. 2 won 1st and 2nd hen, 1st, 2nd, 3rd, 4th and 5th cockerel. 1st, 2nd, 3rd and 4th pullet and 1st pen. Sherman Bowden and his White Wyandottes won 1st and 2nd cock, 1st, 2nd and 5th hen, 2nd and 3rd cockerel, 1st and 2nd pullet, 1st and 5th pen and the State Champion Club cup. When you make up your show list for next season be sure that you include Cleveland.—H. H. Coburn.

White Runner Ducks

And S. C. White Leghorns

At Philadelphia my Ducks won: Cock 1, Hen 1, Cockerel 2, Pullet 1, Pen 1, and Cup. At Trenton, N. J., 4 firsts on 4 entries. Hammenton, N. J., 5 first prizes, etc. Stock and eggs for sale. Write me your wants.

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Rhode Island Reds (both combs) now on sale, young and old stock, some crackerjacks. Write your wants

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LLENROC REDS—FORMERLY ALT'S REDS

ANOTHER GREAT VICTORY WON! OUR WINNINGS:

AT TORONTO Under Judge Coleman—4 birds shown: 1-2 cockerel, 3 pullet, shape and specials.

AT BUFFALO Under Judge Card: 1-3-5 cock 3-5 hen, 1-3-4 cockerel, 4 pullet, 2-3-5 pen, shape and color specials.

These Famous Reds are not raised on the largest advertised farm in the country, but every pen is under our personal supervision on a farm big enough to give them wide range and perfect health.

We furnish winners for any show. 1914 mating list free.

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Zimmerman's R. C. Reds

win at **Cleveland,** Jan. '14, **COLOR SPECIAL on Cock.**

1st Cockerel, 2nd-3rd Pullet and 5th Hen. Long classy **Show Record** back of this. **Grand Pens** mated for egg trade—containing the above and many other **Winners.** Fine Cockerels and choice females for sale.

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Russell's White Wyandottes

At Boston's Great Show, January, 1914

Make the World's Best Record Winning

Competing with 200 Classy Birds of Superior Merit and Quality my birds won **Champion Male Special Cup.** Cock, **1-5-6,** Hen, **1-2-4,** Cockerel, **1-3-6.** (Bought first.) Pullet, **1-2,** Pen, **1-3-5. Best Display** and practically **all Specials, Club and Association.** They have won at

New York, Buffalo, Toronto, Guelph, Etc.

and have a record for real winning quality at our best shows. Eggs for hatching from special matings. Stock for sale at all times. Special sale of selected breeders now, they are of my best winning lines. We assure results. Write me today.

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ROSE'S ORPINGTONS

BUFFS AND BLACKS

Hardy Canadian-Bred Birds

During the 1913-14 show season at America's two leading shows, **MADISON SQUARE GARDEN and CHICAGO COLISEUM** in the best classes of breed and in competition with nearly every prominent breeder. **MY BUFF ORPINGTONS won more first prizes than all competitors combined.** Consider the following winnings and **decide for yourself who has the best BUFF ORPINGTONS.**

At Madison Square Garden, Dec. 26-31, 1913
5 Cock, 3 Hen, 1-5 Cockerel, 1-4 Pullet, 1 Pen.

At Chicago Coliseum, Dec. 12-17, 1913
1-2-5 Cock, 3 Hen, 1-5 Cockerel, 1-2 Pullet, 3 Old Pen, 3 Young Pen.

My Black Orpingtons are Champions

At Boston, Mass., Jan. 7-11, 1913

My Black Orpingtons won 1, 2 Cock, 1, 4, 5 Cockerel, 1, 2 Hen, 1, 2, 3 Pullet, 1 Old Pen, 1 Young Pen, Championship Best Display.

My 1913 Record on Black Orpingtons

27 firsts out of a possible 33 firsts within the year 1913 at six shows of national reputation, viz: Boston, Allentown, Hagerstown, N. Y. State Fair, Toronto and Chicago, also Championship Best Display—five times out of six.

Neither in England, the home of the Orpington, or in America, can you obtain such quality and value in Buff or Black Orpingtons as I offer. **Rose's Orpingtons, Buffs and Blacks,** are bred to win in the strongest competition, **"Like Begets Like."** If your birds lack type, color and bone, introduce my stock.

Bred in the Vigorous Canadian Climate

They are hardy, rapid growers and splendid winter layers, characteristics you need to make your Orpingtons suit you to a "T". I can furnish a number of high class breeding males, also pairs, trios and breeding pens that will be carefully mated to produce the best results at "live and let live" prices. Send your wants and let me furnish description and quote prices.

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Eggs from the grandest collection of matings that I have ever owned. Every pen headed by a prize winner of a near relation. Better values do not exist anywhere. **Send for handsome new catalogue and mating list,** containing full page color plate showing my **first prize Buff Orpington Cockerel** at Madison Square Garden, Dec. 1913, **in natural colors.** It is free for the asking.

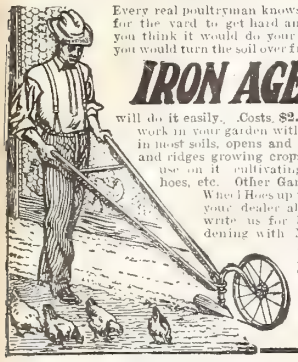
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EXCLUSIVELY

EGGS from four good pens of solid buff birds.

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Every real poultryman knows how easy it is for the yard to get hard and sour. Don't you think it would do your chicks good if you would turn the soil over frequently? This

IRON AGE Wheel Plow

will do it easily. Costs **$2.50** only. Can work in your garden with it, too. Plows in most soils, opens and covers furrows and ridges growing crops and you can use on it cultivating teeth, scuffle hoes, etc. Other Garden Drills and Wheel Hoes up to $12.00. Ask your dealer about them and write us for booklet, "Gardening with Modern Tools" and copy of Iron Age Farm and Garden News.

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INCREASE YOUR EGG YIELD

I have imported direct from Tom Barron of Catforth, Eng., a pen of S. C. White Leghorn Pullets mated to a Tom Barron Imported English Cockerel from a 260 egg hen. They are from the same stock as his famous 282 egg pullet which record was made in America in the International Laying Contest. No better breeding stock can be procured. Settings from this pen will produce blood lines that will **breed layers. Prices — $8.00 for 15 eggs. $15.00 for 30 eggs.** My 1914 importation of Tom Barron English Birds include a number of S. C. White Leghorn Cockerels. I have mated them with my best pedigreed laying birds. Hatching eggs from these matings, $3.00 for 15 eggs—$7.50 for 50—$13.00 for 100. **Rose Comb White Leghorns**—These birds are raised on my own plant and bred for high egg production. They are mated to strong, vigorous, extra white, egg type cockerels. **Prices**—$2.00 for 15 eggs—$3.50 for 50—$6.00 for 100—$50.00 for 1,000. Rose Comb day old chicks from these pens, $7.00 for 50—$12.50 for 100. Safe arrival guaranteed. **Full Blood White Wyandottes**—Write for prices on hatching eggs and day old chicks. **Free illustrated catalog**, containing prices and matings of high pedigreed breeding birds sent upon request. Write today.



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Phosto
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A Scientific Preparation of Phosphates. The 20th Century Product.

Have you ever stopped to think why you lack fertility, why your chicks die in shell, why your chicks drop off before they really get a start in life? It is the natural lack of Ash, and **Phosto** has demonstrated this. You may break your head over Protein and Carbohydrates, but you will always end just where you started.

Phosto, the greatest invention since the incubator, solves the feeding problem and does it well. Start now at the root of the evil, in the breeding pen, and follow up on the chicks, and for once you will know what it means to get maximum results.

Capt. Max de Bathe, the clever little Englishman who judged at Madison Square a year ago, says this:

I am a great believer in **Phosto.** It accounted for the wonderful condition all my birds were shown in last season. I use a lot of **Phosto** and have found it does my birds great good.

Phosto is endorsed by W. J. Golding, Harold Corrie, Frederick Chatterton, Miss Carey, Will Hooley (The London World's expert) and hundreds of England's leading authorities. Wherever you find bone and size you can depend upon **Phosto** being responsible.

Order in $1 and $2 tins prepaid, for **Poultry.** Literature free.

THE PHOSTO COMPANY
Norwood Park Chicago

ILLINOIS STATE POULTRY SHOW.

By J. C. Johnston.

The Illinois State Poultry Show, which closed January 10, 1914, will go down in history as one of the most successful exhibits ever held in the state. Thirteen states and Canada were represented in the entries, all bringing quality to be admired in any show room; the weather man was more lenient in his schedule as compared with former years, and the effect was very noticeable on the attendance, which far exceeded that of previous years. A very enthusiastic meeting of the State Association was held Thursday afternoon at 4 o'clock, at which there was much agitation in favor of moving the show to Quincy or Peoria in 1915. A representative of the Springfield Business Men's Association responded to their sentiment, stating that Springfield had been negligent in its appreciation of the state show, but that if they were given another chance they would redeem themselves. Plans were discussed at length for the 1915 show, more enthusiasm being manifest in the discussions than has ever been displayed in any previous meetings. Prospects never looked brighter or better for the Illinois State Poultry Association than they do at the present time, and with favorable conditions the 1915 exhibit will far exceed any that have gone before.

Some of the classes showed a decided increase in numbers and quality over former years, those most noticeable in this respect being Barred Rocks, Buff Orpingtons and Black Minorcas. There was a noticeable falling off in some of the classes. However, this was counterbalanced by the increase in others, so that the exhibit as a whole was up to or above standard.

Barred Plymouth Rocks.

First cock was well finished, good in head and comb, strong in wing and tail, showing clean, snappy barring in all sections, losing in under color of back. Second cock showed a good head and comb, fiery red eye, snappy, clean color throughout, good in undercolor, losing on condition and in shape of wings. Third, even color; clean, strong; bad head and comb; very narrow; snappy color in saddle and breast, losing slightly in under color of back.

First cockerel, good type; fine rock back and tail; great length and depth of body, with good breast, showing plenty of keel; even, clean, snappy color in all sections, with very narrow hackle and extra good in tail; won shape, color and champion male. Second, well balanced in type; good back and body, strong underline, extra quality of barring underneath, but losing slightly in wing, tail and hackle. Third, a comer; not quite finished, but showing fine type; good head and comb, clean barring in all sections, with strong undercolor. Fourth, a grand good bird; lost on shape of wings; clean color all through. Fifth, good strong color, clean and snappy; lost on type.

First hen, grand barring; clean yellow leg and beak; a little short in plumage; clean cut, with good wing and tail. Second, well finished; clear, snappy barring in all sections, losing in type to first. Third, large type, coarser in barring; feathers well tipped. Fourth, almost a counterpart of third. Fifth, clean-cut, narrow barring all through, with strong under color; lost on size and broken flights.

First pullet, simply grand in type; perfect back, tail and body; color clean-cut, snappy, "down-to-date," with no tendency to metallic shade or brownish tinge; good head and eye; one of the best if not the best pullet ever shown in Illinois; winner of shape, color and champion female. Second, well balanced type; clean, narrow barring in all sections; good hackle and wing; losing slightly in breast and tail color. Third, a trifle more open in barring than first and second, and losing slightly in type and finish. Fourth, beautiful barring; full sister to first, showing great promise; lost on maturity. Fifth, well balanced type; good undercolor, losing on surface barring.

Pullet Bred.—First cock, clean-cut color; a trifle heavy in black bar; bars running straight and even in all sections; good eye; fine yellow leg and beak. Second, not so clean in barring as first; even color in all sections, losing slightly in tail color and back. Third, a good even color; bad comb; would have gone higher if in condition. Fourth, good type, fine rock back and body; strong in head points, with good beak and legs; open in barring in all sections.

Cockerels.—First, beautiful type; well balanced; clean, snappy color; grand head and eye; barring clean-cut and regular in all sections. Second, third and fourth following closely in the order named, fifth losing on quality of barring and condition.

Cockerel Bred.—First hen, a wonder in

S. C. BUFF ORPINGTONS Exclusively

BABY CHICKS and EGGS FOR HATCHING from winners of the Blue. Write for mating list.
Old Forge Poultry Farm, Spring Grove, Pa.

Vermin-Proof Poultry Houses

Made of Plasto-Asphalt lumber, the new fire-proof material. Superior to lumber or any other material for poultry house construction.

Send for free sample and our free catalogue of poultry houses.

Do it today.

THE UNIT CONSTRUCTION CO.
Box A Brookfield, Ill.

ANCONAS

Winners STATE CHAMPIONSHIP CUP State Meet Ancona Club of America, at Paterson, N. J., November, 1913. At State Meet, same club Grand Central Palace, N. Y., SPECIAL FOR BEST ANCONA IN SHOW. Also at Madison Sq. Garden, Philadelphia, and Augusta, Ga. STOCK, EGGS, BABY CHICKS. Write TODAY for Catalogue.

DR. PETER HICKS
Bound Brook, New Jersey

NEW YEAR'S BELLS IN NEW YORK

Chimed forth the glad tidings to all the world of



DUSTON'S
FAMOUS WINNINGS IN
White Wyandottes

You don't have to tell any breeder what competition means at Madison Square Garden, many have tried it to their sorrow. Every prospective buyer knows what it means to walk into the Garden and carry away the Blues in the young classes, as I did; winning 1st Ckl., 1st, 3d and 4th Pullets; 4th and 5th Hen, and 5th pen. Silver Cup for best two Cks., two Hens, two Ckls., two Pullets, two Pens.

SPECIAL
For Best Wyandotte In the Garden

Male or female, all varieties competing. This was awarded my 1st Pullet.

It is no idle talk that the successes of my customers the past four years has been phenomenal. Have you not been beating around long enough to now want to get something **good** and that will **reproduce?**

Why not try Duston this year? I will serve you and serve you well. Send for mating list, it is free. My pens will, as usual, be made up from my strongest lines and the **best** of the season's individuals, mated as Duston knows how to mate.

Prices are **$10.00** a set of **15 eggs, two sets $18.00, three sets $25.00, or $50.00 in hundred lots.**

Send 15c for illustrated catalog.

Arthur G. Duston
Box 1020 So. Framingham, Mass.

LOOK FOR THE
Michigan Poultry Farm
Day-Old Chick Announcement
IN THIS ISSUE

PARTRIDGE ROCKS WINNERS at—

New York, Philadelphia, Baltimore, Williamsport, Hagerstown and other leading shows this and other years. Type, color and breeding quality of the best. Stock and eggs for sale.

W. F. PRESGRAVE, Salisbury, Maryland

Partridge-Plymouth Rocks
Black Langshans

Winners at New York, Philadelphia, Hagerstown, Williamsport and Baltimore. 20 pens of Mated Birds for quality production, 500 Utility Birds on open range. Eggs from Mated Pens, $5.00 per setting. Eggs from Utility Birds, $3.00 per setting. Circular on application. **TONY TANK FARM, Salisbury, Maryland. C. G. Heebner, Manager.**

"The Complete Records of the 20 Best Baby Chick Raisers in America."

That's the title of a book we want to send you—FREE. It tells in an interesting way how twenty people solved the problem of raising baby chicks successfully.

These twenty live in different sections of the country and had to cope with varying conditions. Their stories are instructive therefore, as well as interesting. The book is FREE. Send for it today.

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Whiting's White Diarrhoea Remedy

Is Guaranteed to
Cure and Prevent White Diarrhoea, Chicken Cholera and Bowel Trouble
and to make your chicks
Grow Faster, Stronger, Larger
than any you have ever raised before.

All poultrymen, except those who use Whiting's White Diarrhoea Remedy, know they never raise more than half the chicks they hatch—White Diarrhoea kills them. We guarantee Whiting's White Diarrhoea Remedy will enable you to raise practically every normal chick you hatch.

One 50-cent bottle treats 150 chicks and saves the 50 per cent of them that you have been losing right straight along.

Why go to the expense and trouble of hatching chicks just to let them die because you won't use Whiting's White Diarrhoea Remedy? Get a bottle today. Biggest breeders depend upon it. **50c and $1 a bottle.**

WHITING'S ROUPENE
ACTUALLY DOES CURE ROUP

Swollen heads and running eyes mean roup—use ROUPENE.

We Guarantee a Cure or Refund Money!

ROUPENE prevents contagion. You do not have to quarantine the diseased birds.

ROUPENE not only cures Roup, Canker and Diphtheritic Roup, but it also cures Sorehead, Limberneck, Colds and Pip, and leaves no bad after effects. **50c and $1 per bottle.**

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Whiting's Remedies are sold by dealers or mailed by us on receipt of price. New **BOOK FREE** on request. Write for it today.

O. K. Company
Dept. 39
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Columbian Wyandottes — Boston, 1914, Winners
Cock, First; Cockerel, First; Pen, First; Pullet, Third

Special for Best Shaped Male, Championship Special for Best Male, etc. My line has a unequaled record for winning and practical quality.

SELECTED BIRDS FOR SALE. EGGS FOR HATCHING. SATISFACTION ASSURED.
J. E. PERKINS 513 Canton St. WEST STOUGHTON, MASSACHUSETTS

S. C. White Leghorns **S. C. Rhode Island Reds**
Barred Plymouth Rocks **Imperial Mammoth Pekin Ducks**

Eggs for hatching. Day-old chicks and ducklings. Excellent stock to breed from. Winners at Madison Square Garden and Grand Central Palace, New York City, December, 1913. A few more good utility cockerels for sale.

C. H. BEEBE SADDLE RIVER, N. J.

ABERNETHY'S HOUDANS MAKE NEW RECORDS
AT BOSTON'S GREATEST SHOW, JANUARY, 1914

In the greatest class ever shown and with 159 birds competing, my birds won Hen 1st, Pen 1st and Specials, showing in three classes only. This great class was the sensation of the show. I have also won at Philadelphia, Madison Square Garden and New York City.

For Sale: Special Selected Cockerels. Write me your wants.
JAS. ABERNETHY High St. West Pembrooke, Maine

Carter's Famous American Dominiques
Make New Records at Boston, 1914

My birds won special favor here in a beauty class: Cock, 1-3; Hens, 3-4-5, Cockerels, 1-5; Pullets, 1-3-4; Pen, 1; Best Display; A. P. A. Diploma and all regular Specials. My 4th Prize Hen has won Three First Prizes at this Show, and laid five eggs during her stay here. This line represents **America's Oldest Favorite Variety** with best practical qualities. **Choice stock for sale. Eggs for hatching.** Write for circular.

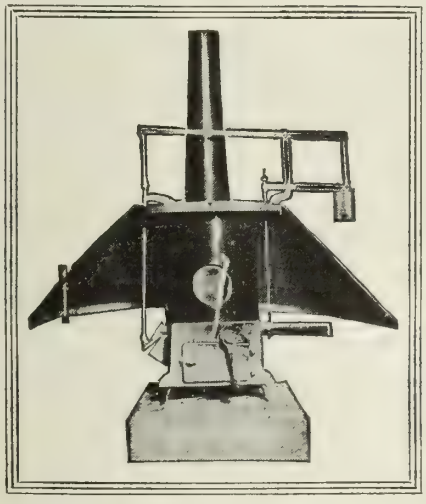
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CAMPINES **LEGHORNS**
Silver **Golden** **S. C. White**
Day-Old Chicks, Eggs for Hatching and Stock

Now is the time to place your orders for day-old chicks and eggs. Can supply you from the leading English and American strains (Tom Barron and D. W. Young) in Leghorns and in Campines. Our pens of Goldens will be headed by the best in hen-feathered males and represent the best quality and type and are bred for heavy egg production. Satisfaction guaranteed. Catalogue free. **MOUND HILL FARM, S. D. Hall, Mgr., Box 78, Seville, O.**

MacKay Colony Brooder

FEED IT AND FORGET IT



Automatically regulated with a thermostat.

Quickly and easily adjusted.

Coal Burner automatically fed from a hopper.

Made from the best of material it is most economical to buy.

It will insure more, larger and better chicks and bring them safely to maturity than any other method.

This Brooder has been the sensation of every show this season.

For circular and special information address

JOHN F. MACKAY, Bonaparte Park, BORDENTOWN, N. J.

White Orpingtons

Won 21 ribbons, including 9 firsts, on 41 entries at four leading Illinois shows. If you want QUALITY, write me.

W. A. Scott -:- Bethany, Illinois



FRANK MYERS, Breeder of

LAKENVELDERS

The everlasting layers and sensational beautiful fowl. Winners of leading shows for 1912 and 1913. I won five first Chicago and four first at Freeport, Ill. Write for price list on eggs.

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Amatite Roofing

Mineral Surfaced Needs No Painting

BARRETT MFG. CO.

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HOUDANS

Boston, 1914, Winners

In the greatest class shown I won: Cock 3, Hens 5-6, Cockerel 1, Pullet 5 and several Specials. Birds of my breeding also won here and everywhere.

COCKERELS FOR SALE

J. L. Metzler -:- Findlay, Ohio

GET IT AT POULTRY OR DRUG STORES

Jackson's Royal Roup and Cold Cure

ROYAL ROUP CURE SAVES THE FLOCK ROUP ROBS ROOST

A Cure Guaranteed or Money Refunded

You take no risk in buying **Royal Cure**. Put up in three size boxes, **25c, 50c and $1.00.** Sent everywhere postpaid on receipt of price. Try your Dealer first.

Jackson Medicine Company

Box P, Norwalk, Ohio

R. C. Black Minorcas



2d Cock, Springfield, Ill.

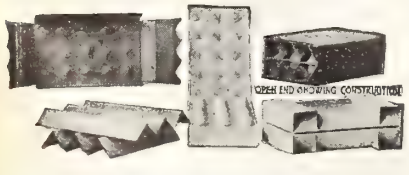
Winners at the leading shows, including the late Springfield, Ill. state show.

Five grand pens mated for the egg trade. Every pen headed by a first prize winner. Send for mating list which gives prices of eggs and baby chicks. I guarantee satisfaction.

E. M. CAMPBELL

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Buy Diamond Egg Carriers.



It is a fact and not a boast, that eggs get the maximum protection in the **Diamond Egg Carriers.** Order today. Sample 25c. 15 egg size, doz., $1.50, $11.00 a hundred. Parcel post boxes all sizes, 1 to 12 dozen.

DIAMOND BOX MANUFACTURING CO.,

Room 312, 219 N. 2d St., Minneapolis, Minn.

type and color; was first as pullet at Chicago, 1912; has lost nothing. Second, the equal of first in type and color, losing on size. Third, fourth and fifth were close in line.

First pullet, grand type and color, exceptionally strong in hackle and undercolor; a daughter of first hen; was first pullet at Chicago show, 1913. Second, a little beauty; strong in type, losing in color of hackle and wing. Third, fourth and fifth all good, showing lots of quality.

Pens Cockerel Mated.—First, well balanced, showing good type all through; cockerel a trifle light in hackle, but showing strong undercolor in all sections; pullets strong even color throughout, with good heads and legs. Second pen cockerel, grand in surface and undercolor, with good head and beak; unfinished. Pullets evenly balanced; trifle open in barring; strong in type. Third pen cockerel, unfinished; light in surface and undercolor; too open in barring; pullets coarse in barring, but showing extra strong underneath.

Pens Pullet Mated.—First cockerel, good type, well balanced on good yellow legs; good comb and beak; clean and snappy barring all through; pullets evenly balanced in type and clean-cut barring; a good strong pen. Second cockerel, well finished; good comb and head; little coarse in barring; pullets well balanced type; more open barring than first. Third pen cockerel, unfinished; too strong in color; well balanced on good legs; pullets good type; clean-cut barring. It would be a great injustice to the Barred Rock exhibit to pass without comment on exhibition cockerel in coop No. 22, exhibited by Mrs. Charles E. Popham. This cockerel was one of the cleanest in the whole class, showing exceptional barring in all sections; would have been placed high in the awards but for missing flight feathers in both wings.

Buff Plymouth Rocks.

First cock, a great bird in type and color; well finished; strong eye; even in surface all through, with strong undercolor. Second, well balanced type, breaking slightly in color on surface; good comb and head; strong wing and tail, with good undercolor. Third, strong in color; smaller type, losing in all sections to first and second. Fourth and fifth both good color, losing in type and finish.

First cockerel, well balanced; good head and back; a little heavy in body; even shade of buff in all sections, with strong undercolor; champion male. Second, well balanced on good legs; perfect back, good body; unfinished in tail; bad comb; otherwise a grand good bird. Third, fourth and fifth were neck and neck for the honors.

Hens.—First, short in type; good comb and head; trifle too strong in color; good legs and back; strong undercolor; well placed. Second, great type; good comb and head; strong undercolor; good in tail color, but showing mealiness on surface color. Third, even golden buff, top and under, losing in type and color of tail. Fourth and fifth well placed.

Pullets.—First, good in type; great rock body and back; slightly pinched in tail; golden buff in all sections. Second, stronger in color, losing in both type and color to first. Third, good type and color; lost on maturity. Fourth and fifth were in the right place.

White Plymouth Rocks

Cocks.—First, large, strong, vigorous; splendid eye; good body, back and breast; snowy white in plumage; winner of shape special; champion male. Second, near perfection in type, excepting in finish of tail; bad comb; fine eye; yellow legs and beak; lost on comb and tail shape. Third, short in back; good breast; body a trifle short; tail unfinished; lost on condition and type. Fourth, bad comb; narrow in saddle and tail; good breast and legs; strong in eye color.

Cockerels.—First, strong in type; grand body, back and tail, showing good length of keel; well balanced on good strong legs; fiery red eye; bad comb; won color special. Second, too high on legs; bad comb; unfinished; a good bird when developed. Third, fourth and fifth well placed.

Hens.—First, large; good body and breast; slight cushion on back; good comb and head; well balanced on good yellow legs; color special; champion female. Second, smaller in type; well balanced; good in color.

Pullets.—First, a beauty; perfect body and breast; fine back and tail; grand head and comb; best shaped female. Others well placed.

White Wyandottes.

Cocks.—First, a great bird in type and color, showing well rounded curves in all sections; a Wyandotte all over; good comb,

(Continued on Page 359)

FLORIDA POULTRY AND FRUIT GREAT COMBINATION

Best land on Peace River. Low price. Joins own big farms. Help wanted. **Farwell & Sons, 63 Fenelon St., Dubuque, Iowa.**

COLUMBIAN WINNERS

In the largest class of **COLUMBIAN WYANDOTTE** that was ever shown in Minneapolis my birds won 1st and 2nd Cock, 1st Pullet, 1st Pen, 4th Cockerel and 5th Hen, defeating the recent Chicago Coliseum winners. For three years my birds have been winning firsts, seconds and thirds at Chicago, Minneapolis and St. Paul.

Geo. A. Kersten, West 52nd St. Station, Minneapolis, Minn.



When the time comes to provide water for your fowls in zero weather, you cannot afford to take chances on the average water receptacle, that will freeze up just at the critical time. You want the best, most satisfactory, most reliable drinking fountain you can get. Works right under any and all reasonable conditions. Inquire at dealers, or write for prices and descriptive literature.

Pagel Poultry Supply Co.,
Lock Box 211 Rockford, Illinois

Pedigreed Breeders

S. C. BUFF ORPINGTONS

With Records That Count

Hatching Eggs from

Hen 461-a	210 eggs, 40 weeks
Hen 462-a	185 eggs, 46 weeks
Hen 465-a	183 eggs, 41 weeks
Hen 461-b	170 eggs, 38 weeks

Records made under government supervision.

Fifty cents each.

Hen 55	208 eggs, 1st year
	172 eggs, 2nd year
Hen 68	183 eggs, 1st year
	149 eggs, 2nd year
*Hen 118	192 eggs, 1st year
	169 eggs, 2nd year
Hen 124	196 eggs, 1st year
	158 eggs, 2nd year

*1st at our County Fair.

Records selected from farm accounts.

Forty cents each.

Eggs from pens where either lot are now mated, **$3.00** per fifteen. Other matings at **$2.50** per 15, or **$16.50** per hundred. Start now with your pedigree work.

Cherry Lane Farm Co., Box 148, Oak Hill, West Virginia



Bigger Hatches

Eggs hatch better if the hens are in perfect condition.

Pratts Poultry Regulator

pays big the year 'round. It prevents disease, sharpens the appetite, improves digestion. You'll get more "live" eggs—more and stronger chicks.

Packages 25c, 50c, $1.00. 25 lb. pail, $2.50.

Satisfaction Guaranteed or Money Back.

Refuse substitutes; insist on Pratts.

Get Pratts 160 page illustrated Poultry Book. 3529

PRATTS ROUP REMEDY—Pills or Powder
A Sure Preventative and Cure.

PRATT FOOD COMPANY
Philadelphia Chicago Toronto

Black Langshans

Winners Grand Central Palace, N. Y., Augusta, Ga., Philadelphia, Pa., etc. Send for catalogue.

Dr. Peter Hicks, Bound Brook, New Jersey

Light Brahmas

The Leading Winning Line

Have won for years at Madison Square Garden, New York, Philadelphia, Boston, etc. Our strain combines the best exhibition and practical qualities. Write us your wants.

BALCH & BROWN : Manchester, Connecticut

STOP! Golden--IMPROVED--Silver CAMPINES

Guaranteed pure white eggs that produce winning stock wherever shown. Owner and breeder of 2nd prize Silver Cockerel, Madison Square Garden, 1913. Breeding yards selected from over 500 Campines. Send for circular. THE MARTLING HENNERY, P. O. Box 186N Ridgefield, New Jersey

Taylor's White Rocks

Won First and Champion Pullet at Illinois State Show, Jan. 6-10, 1914; also 2nd Cock, 3rd Cockerel and 3rd Hen. A few choice cocks and hens left. Three grand pens mated. Eggs for hatching. Will be glad to answer all inquiries.

H. E. TAYLOR -:- PETERSBURG, ILLINOIS

Buy Certified, Inoculated Black Orpingtons

No Roup! No Sickness! Success Sure!

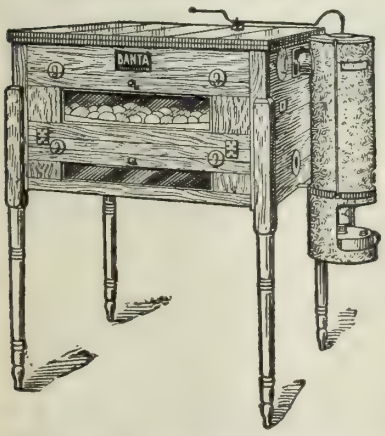
From this day on we will offer all exhibition and breeding quality Black Orpingtons that have been treated by this wonderful serum and new treatment, which guarantees a sure preventive for roup and all kindred diseases that are the bane of the poultryman of today.

Write at once for new Mating List and circular describing above treatment.

A winning strain. Hundreds for sale.

J. T. ADAIR, Black Orpington Specialist
Millersburg, Bourbon Co., Kentucky

THE BANTA INCUBATOR



Highest Quality Produced

NONE BETTER AT ANY PRICE
CATALOG FREE ON REQUEST

The Banta & Bender Co.

600 Third Street Ligonier, Indiana

S. C. W. LEGHORNS - - WHITE PLYMOUTH ROCKS

Superior Quality

At 3 Leading Shows This Fall We Won 7 Firsts, 5 Seconds, 3 Thirds, 2 Fourths

Now Booking Orders for Setting Eggs and Baby Chicks.
Write for MATING and PRICE LIST.

A. G. NORMAN BOX 31 CHATSWORTH, ILL.

STUEBE'S WHITE ORPINGTONS

"THE BEST IN THE WEST"

My birds have won in Chicago, Indianapolis, Illinois State Show, competing with the best breeders of the east and west. If you want stock or eggs from the **"best in the west,"** write me. Square deal and reasonable prices,

LEN F. W. STUEBE, R. R. No. 2, DANVILLE, ILL.

KLINGBEIL PARTRIDGE ROCKS

The Great Fancy and Utility Strain

Winners at New York, Boston, Providence and other leading shows. They have the show record as well as the quality record. Bred in line for greatest value. To make room for my breeding stock I offer for sale 150 cockerels and 100 pullets for any show in the country, also some very fine yearling hens and cock birds. Satisfaction Guaranteed. Ask for prices.

PLEASANT VIEW FRUIT AND POULTRY FARM

PAUL KLINGBEIL, Prop. Sec'y and Treas. Partridge Plymouth Rock Club WALPOLE, MASS.

Olle's White and Partridge Rocks

have been bred for years to produce type, color and size. Their great quality and worth are shown by hundreds of winnings at America's leading shows, and has been proven to be among the world's best by their show record and satisfied customers. Our winnings at the **Great Chicago January 1914 Show** in **White Rocks:** 1st, 2nd, 3rd and 5th Cock, 2nd Cockerel, 1st and 5th Hen, 1st, 3rd and 5th Pullet and Silver Cup for best display. In **Partridge Rocks:** 1st and 2nd Cock, 1st and 2nd Cockerel, 1st and 2nd Hen, 1st 2nd, 3rd Pullet and 1st, 2nd Pen. Also Silver Cup for best display. We can supply you winners for show also breeding birds which are sure to produce quality stock.

P. J. OLLE R. 4, Box 111A RACINE, WIS.

S. C. White Leghorn Baby Chicks

We Have No Other Breed

By concentrating all our efforts in improving the qualities of our breed of fowls, we are in a position to offer you chicks from breeders possessing unsurpassed utility combined with exhibition qualities ,and at prices asked by others for the ordinary strain. Our advance during the past season in perfecting the OLD RELIABLE SPRING WATER STRAIN has been marvelous.

We have among our breeders both male and female birds that have won first prize as singles and pens at some of the leading Eastern Shows.

We guarantee chicks hatched from eggs laid by our breeders only and their safe delivery to you.

Join our army of satisfied customers. You must be satisfied before we consider a transaction closed.

Order early, thereby assisting delivery on desired dates.

Eggs for Hatching. 90% fertility guaranteed.

We also offer choice breeding cockerels at tempting prices. Mammoth Incubators. Capacity 20,000 Eggs at one sitting. Write for free illustrated booklet.

SPRING WATER POULTRY FARM

Frank J. Eppele, Prop. Stockton, New Jersey

JAQUELIN FARMS'

DARK CORNISH

AMERICA'S CHAMPIONS

Leading winners at Club Show, 1913, and at America's greatest shows, including Philadelphia, Baltimore, Allentown, Hagerstown, Richmond and Washington. Champion show birds and breeders for sale. If you want quality, write—if not, keep mum. Eggs from 10 grand pens.

JAQUELIN FARMS Courtland H. Smith WARRENTON, VIRGINIA



ATSATT Is The MAN Who PUTS PROFIT into Poultry Raising

IF YOU WANT IT, READ THIS NOW

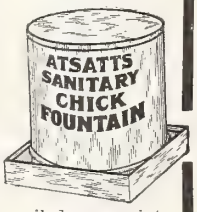
The practical poultry owner learns by experience. After he has cooked hundreds of chicks in the shell, and got tired of low hatches because of faulty, smoky, bound-to-run-up lamps, he pitches them all out and uses nothing but the

"ZERO" SAFETY INCUBATOR AND BROODER LAMP

made on a special Atsatt design. **It's Safe, Clean and Reliable—Safe** because the oil cannot get heated; **Clean** because it never smokes; **Reliable** because it cannot run up and the temperature must remain uniform. Notice the double jacket. All metal. Fits any incubator or brooder. At dealers, $1, or mailed anywhere on receipt of 15c extra.

ATSATT SANITARY SAFE FOUNTAIN FOR BROODERS

can't wet or drown chicks, is easily cleansed and filled, holds a quart and fits any brooder. Heavy galvanized iron. **Try it and you'll never use any other.** 25c at stores, or mailed for 8c extra.



ATSATT'S CHICK FEEDER

is the only chick feeder that absolutely **stops waste.** Lots of room for chicks to get their food, but they can't get into it, stand on top of it, or scratch food out. The top removes instantly for filling and cleansing and springs back into place. Best galvanized iron, so can be used **for wet or dry feed or water.** 10x4 inches—just right size for brooder. 25c at dealers, mailed on receipt of 8c extra.

METAL GOODS EVERY RAISER NEEDS

We make a full line of metal fountains, feeders and lamps, and every one of them has merits over all similar supplies made by anyone else. Those who try Atsatt's are never satisfied with anything else. They save their cost many times over in a season.

Write us Today for **FREE BOOK** With Illustrations and Prices

Some breeders make more money than others, because they've had the foresight to see that it pays to have **Food-Saving, Time-Saving, Money-Saving** equipment, such as Atsatt makes.

ATSATT BROS., 27 Pearl St., Mattapoisett, Mass.

One lamp, fountain and feeder mailed to one address, at one time, for $1.70, so that you can see how fine they are.



TRADE AEM MARK

THERMOMETERS NEVER VARY

"AEM" embossed on a Thermometer is an absolute **guarantee** of selected **materials,** skilled **workmanship,** thorough **testing** and unquestioned **accuracy.**

When you are buying an incubator, brooder or hover, see that it is equipped with the **"AEM"** Thermometer. **Don't take chances.** Remember, an inaccurate thermometer may "cook" or "chill" your hatches, causing a loss on a single setting that would pay for more than a dozen **"AEM"** Thermometers, the thermometer that **never varies.**

If your dealer can't supply you with an **"AEM"** Thermometer or Hygrometer, **refuse every other kind** and order direct from us.

These Are the Prices, Postpaid:

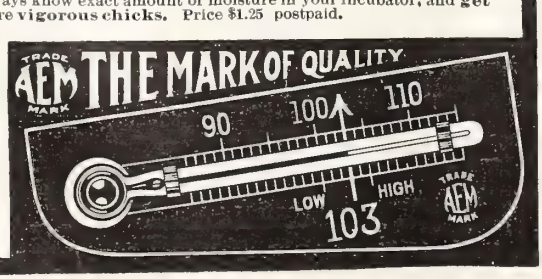
"AEM" Thermometer for any Incubator	**$ .75**
"AEM" Thermometer with Patent Electric Light Attachment	**2.50**
"AEM" Certified Incubator Thermometer	**1.00**
"AEM" Brooder or Hover Thermometer	**.75**
"AEM" Electric Alarm Thermometer	**4.00**

Special Prices in Quantities

Millions of chicks die in the shell because of improper moisture regulation. **Use an "AEM" Hygrometer** and always know exact amount of moisture in your incubator, and **get bigger hatches** of bigger, more **vigorous chicks.** Price $1.25 postpaid.

A. E. Moeller
261 Sumpter Street
Brooklyn, N. Y.

Established 50 Years—We make more than a thousand different thermometers for all purposes. Write today for **Free Illustrated Booklet and price list. Important!**



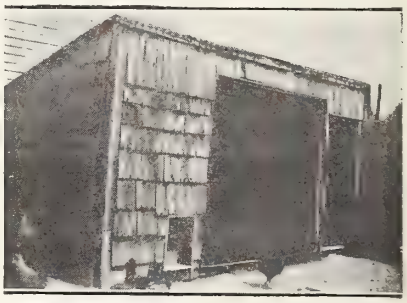
SPECIAL OFFER Extended 30 Days

To enable those who have not already ordered, to take advantage of the 25% discount

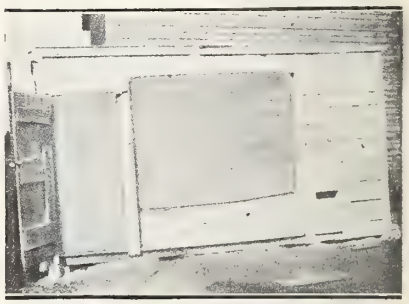
Peerless Poultry Protector

Is the only Snow White Disinfectant Coating on the Market

For inside and outside use on Poultry Houses, Incubators, Brooders, Coops, Feed-Bins, Nests, Barns, Fences, and all other places where **Light, Cleanliness, Sanitation, Elimination of Germs and Vermin** is desired as well as a snow white surface which can be washed as often as necessary without injury to the coating.



One of the thousands of poultry houses DARK—DINGY—UNSANITARY



The same house coated inside and out with the Snow White Disinfectant Coating at a total cost of less than $3.00. This work was done with a spray.

It takes about five pounds of this material to make a gallon of liquid and a pound properly mixed, will cover from 20 square feet on real rough surfaces to 35 square feet on smooth surfaces two coats.

Prices in less than ton lots

350 pound	**Barrel**	.....	**$25.00**
200	**"**	**"**	**15.00**
100	**"**	**Keg**	**9.00**
25	**"**	**Box**	**3.00**

Less 25 per cent discount for the next thirty days.

FIGURE THE COST FOR YOURSELF and then you will recall that there is nothing on the market today for double the cost that will do the work which can be accomplished by using the snow-white disinfectant coating.

REMEMBER THAT YOU GET A SNOW-WHITE INTERIOR for only a fraction of a cent per square foot and you can use the same material for outside work provided you use two coats. It makes a weatherproof job which will last two years on the average surface.

WE GUARANTEE SATISFACTION IF PEERLESS POULTRY PROTECTOR IS USED ACCORDING TO OUR PRINTED DIRECTIONS.

You should take advantage of this special offer DON'T PUT IT OFF.

Peerless Poultry Promoter
Port Richmond, New York

Pinehurst.

Among the pretty suburban homes of Ohio, Pinehurst, a short distance out of Oberlin, ranks with the best. The main poultry building of this farm is 100x18 feet. It has glass and muslin covered windows, which afford plenty of light and fresh air. G. M. Smith, the owner of Pinehurst, is a fancier of strictly high-class birds, and his Golden and Silver Campines are capturing blue ribbons in some of our classiest shows. In the last Cleveland show he entered four birds and took 1st cockerel, 3d pullet and 2d pen. His matings will contain these birds, along with many other ribbon winners. Write to him, mentioning A. P. J., and he will send you his mating list and stock prices. Address G. M. Smith, Pinehurst, Oberlin, O.—H. H. Coburn.

Quick Growth in Little Chicks.

Is only obtainable when they are fed an abundance of green stuff. Green feed, such as sprouted wheat, rye or oats, is always quickly, easily and cheaply produced in the Successful * Sectional Double Steel Wall Grain Sprouter. Dry grain contains a lot of dead starch, which is oftentimes detrimental to their quick growth. We therefore recommend to germinate or predigest the grain, which can be done with very little trouble and outlay in from twenty-four to forty-eight hours in one of these high-grade sprouters.

When it is further considered that the feeding of sprouted oats is the cheapest feed to give your old fowls to maintain their health and vigor, to induce them to lay more, to reduce the cost of feeding them, there is no doubt that the purchasing of one of these Sectional Sprouters will be found a money-making investment.

Their indestructible construction enables you not only to use it this year and next year but for years to come. If you have not written for their descriptive matter yet, we advise you to send at once for their 8-page folder, containing instructive and interesting information. Address Des Moines Incubator Co., 561 Third St., Des Moines, Iowa.

He Breeds Show Birds.

One of the persistent winners at all of the large shows, and one of those who seldom fails to secure a ribbon, is Stewart Haddock. Breeding and showing Single Comb White Leghorns, some of his most recent winners were first prize pullet and sweepstakes championship special for best pullet in the entire show at Philadelphia. At Buffalo he won first hen, second and fourth cock and special winners, second cockerel, first, third and fourth pullet, also third and fourth pen. He has beyond a shadow of a doubt some very fine birds, and as he makes a specialty of mating pens it will pay you to write for his prices. Address Stewart Haddock, Box A, Poughkeepsie, N. Y.

Good Prompt Service.

To putting out remedies that do just what he says they will and the fact that every order received in his factory is shipped out thirty minutes after he receives same, is just two of the many reasons for the wonderful success of Geo. Sixeas, of Newcastle, Va., whose advertisement appears in the current issue.

Our Mistake.

In our January issue through mistake we only gave F. M. Eakin, of Bucyrus, O., credit for 4th hen and 1st pullet as his winnings on White Wyandottes at the Chicago Coliseum. This is wrong and we hasten to correct same. Mr. Eakin won 1st cockerel, 1st young pen and 3rd pullet.

Chicago Coliseum.

We desire to correct the article in our January issue which gives Alfred Bloese credit for all blue ribbons on Golden Sebright Bantams. First hen in this class was won by Raymond J. Christensen, of Evanston, Ill.

U. R. FISHEL'S AD in this issue will interest you. Read it.

OAKLANDS

Famous

Single Comb White Leghorns

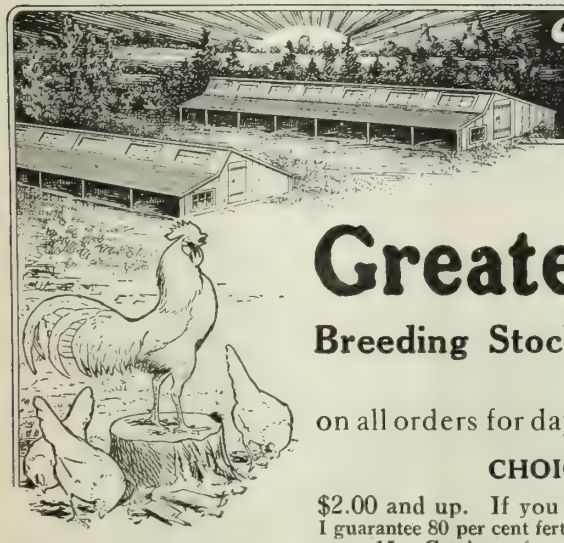
Single Comb Rhode Island Reds

The Season for Day-Old Chicks, Hatching Eggs and Custom Hatching is now at hand, and we are prepared to serve our patrons in the most honorable manner, giving the best quality at most reasonable prices.

Our Famous Strains of White Leghorns and Rhode Island Reds, for which we are noted, were never better. We guarantee satisfaction.

Prices quoted on Chicks of all ages upon request.
Catalogue free. Correspondence solicited.

OAKLANDS FARM (Formerly Oaklands Poultry Farm) **R. F. D. No. 4, Trenton Junction, N. J.**



"SUNLIGHT"

POULTRY FARM S·C·W·LEGHORNS

(D. W. YOUNG STRAIN) THE

Greatest Known Layers

Breeding Stock Eggs for Hatching Day-Old Chicks

I PREPAY EXPRESSAGE

on all orders for day-old chicks and eggs. Also guarantee safe delivery.

CHOICE BREEDING COCKERELS FOR SALE

$2.00 and up. If you want pairs, trios or pens, I can make you most attractive prices. I guarantee 80 per cent fertility. Chicks, hatched in Mammoth Incubators, ready for delivery after February 15. Catalogue free. Satisfaction guaranteed. "The Most of the Best for the Least."

SUNLIGHT POULTRY FARM E. N. Lemon, Owner **LYNCHBURG, OHIO**

The Cyphers Incubator Co., Buffalo, N. Y.

If there are readers of the A. P. J. who still look upon this "great poultry industry" as merely the chicken business and who fail to grasp its annual billion-dollar value, then they should hasten and make a trip to Buffalo, N. Y., and see as we have seen a gigantic busy factory whose annual output of incubators, brooders and poultry supplies alone amount to over one million of dollars, and they will better comprehend the possibilities of this industry in the future.

Our business for a great many years has led us to travel over from 20,000 to 30,000 miles yearly through the United States and Canada making poultry shows and visiting breeders, to judge, to mate and to advise. We have seen this poultry business grow, have seen the breeders and poultry-raisers' success; we have been enthusiastic, for we have never seen anything but the best of success where real effort was put into the business by either man or woman, and never once in all our years has the limit line of production or value been in view. Ever upward and onward has demand increased the production with assurance of safe prices that are higher and better right now than ever before. But with all this it really remained for this little visit of ours to the Cyphers Incubator Co.'s plant to show us what this business of poultry from every viewpoint has come to be. It broadened our view and, if possible, it has increased our well-known confidence in the business. It has done us good.

Others have told you of this great plant—pictures have been shown; but your imagination no more than mine can correctly picture or can you comprehend the full extent or value of this leg of the business without personal observation. We can imagine a great deal, but we could not even dream of half that is to be seen in the actual.

While the factory is not entirely completed at this time, there are two great buildings, costing over $250,000, completed, each about 150x400 feet and built entirely of iron, brick and concrete, making them absolutely fireproof; beside these in the rear is the engine and boiler house and three large kilns for properly drying all lumber and a 50,000-gallon iron tank 160 feet up in the air for a special water supply system. The office building is still to be erected and when all complete there will be upwards of $350,000 invested here alone on these six acres of ground for the manufacture of poultry supplies and the handling of foods, etc.

Let us consider the possibilities of this factory—the brains and the money back of it have no limit, for real confidence in the industry is the foundation for all. Here a completed incubator is turned out every two minutes of every working day, while brooders are made nearly in the same proportion. Each has its department and each department is complete. Machinery is an important factor, and the great machines seen here respond to the will and touch of the operator, for every part of the wood and iron work of the incubators are made here under the one roof. Here was seen single machines costing more money than the entire cost of any incubator factory ten to fifteen years ago. The material used is of the best quality. Inspection is thorough and skilled labor the feature of this great plant.

From their own lumber yard in the rear of the factory, where from one to three million feet of lumber is carried in stock, the material passes through their three kilns and dry houses to the factory proper, and then travels in the several stages of manufacture from one department to another, ending in the final inspection room, when the seal of approval and the absolute guarantee of perfection are given; then to the shipping department, and from their own station are hauled away to fill the demands for hatcheries in every section of the wide world. The Cyphers products in incubators, brooders and a complete line of poultry supplies are favorably known and their reputation stands primarily on quality. They may not be the best, but they are as good as any we know, and in their proper use success is assured.

Back of the great poultry industry are the hundreds of thousands of breeders who find profit and pleasure in poultry keeping, and just so we find here back of this great manufacturing industry a few men who know and have unlimited confidence in the industry and its demands; they not only invested their money but have also given the best in them to assure every possible success to the industry and those, connected therewith; their purpose is good and they deserve the best of success for what they are and for what they have done.

Grant M. Curtis, the president of the Cyphers Incubator Co., is the real man behind the gun. He has made not only possible this wonderful manufacturing concern, but he has also as much if not more than any other man brought the poultry business up to its present high standard. With highest ideals and ever the champion of more and better poultry, he has devoted his life, and we hope can now with much satisfaction see the fruits and reap the awards he has earned so well. Eighteen years ago when Mr. Curtis made his first trip East in the interests of the A. P. J. we had the pleasure of meeting him and have all these years admired him, but only at this time to say that we, like all others, have never been able to fully comprehend his personal worth or the full value of his work to the poultry industry, for it is greater than we know.

The Cyphers bulletins, dealing with all sides of the poultry question, are the latest feature of this concern. They are instructive and invaluable to the breeder, as they deal with each subject fully and well show what can be expected from any or all branches of the business. They are sure to become popular for they are practical and are easily to be had.

Our visit there was a most delightful one. In charge of Frank L. Platt and Geo. H. Gillies, the secretary, we went over the entire factory and were shown and told in detail the process of manufacture, which was of extreme interest to us and gave us a larger, broader and better insight into what the real poultry business has come to be than we could of had in any other way. We thank these gentlemen for all courtesies extended. We congratulate Mr. Curtis and his associates on their success and confidence in business and the value of their products, and we more than ever admire the poultry industry that has made such a

Skinner's Standard White Wyandottes

Winners at Chicago, Indianapolis, St. Louis.
Stock and eggs—prices right, consistent with quality. Write for mating list,

F. E. SKINNER **L. Box 806** **SANDWICH, ILL.**

Eakin's White Wyandottes

AT THE GREAT HAGERSTOWN FAIR, 1913—Won first cockerel and special, fourth pullet.
AT THE GREAT MID-WEST SHOW, CHICAGO, 1913—Won first cockerel, third pullet, first young pen.
Choice Exhibition and Breeding birds for sale. Our breeding pens have quality rarely equaled. Send for mating list. Eggs for Hatching, $5.00 per 15. Satisfaction guaranteed.

F. M. EAKIN **BOX A** **BUCYRUS, OHIO**



Quality Bred-to-Lay S. C. Wh. Leghorns Exclusively

STRONG, VIGOROUS DAY-OLD CHICKS AND EGGS FOR HATCHING

Good, healthy, vigorous cockerels at $1.50 and $2.00 each. We are still a little crowded and will spare a few March pullets, fully matured and laying, at $1.50 each, $17 a dozen.

Catalogue Free

THE ELLIOTT POULTRY FARM, R. 7, MANSFIELD, OHIO



A SURE CURE

For Poultry Diseases of All Kinds

Discovered at Last

SIXEAS GUARANTEED REMEDIES

cure Roup, Canker, Cholera, Blackhead and White Diarrhoea. Remember, I have handled and cured more turkeys and chickens than any living individual and have cleaned up more contaminated poultry premises than any one else. My remedies are easily given in food or water, and are endorsed by leading poultry breeders. These remedies are based upon scientific knowledge and daily practical experience. **They cure where others fail** and check further spread of the disease as soon as given. Cholera Cure is unexcelled for cholera, Blackhead or White Diarrhoea, Roup Remedy cures Roup, Canker, and Colds. My Mustardized Egg Powders keep poultry in healthy condition so that they lay lots of fertile eggs. **Cholera Cure 50c, Roup Cure 50c, Mustardized Egg Powders 25c,** post paid. Will sell 3 lbs. **Cholera Cure** or 3 lbs. **Roup Cure** for **$1.00** or 5 lbs. **Egg Powder $1.00.** Reliable agents and dealers wanted. Mention American Poultry Journal. **GEORGE SIXEAS, NEW CASTLE, VIRGINIA**

SMITH'S
Single Comb Buff Leghorns

The largest exclusive breeder of Buffs in the world. I have no other breeds and had the grandest winter layers and winners at thirteen of the big shows. Eggs and Day Old Chicks by the thousands, send ten cents for catalogue and find out how to raise 150 pullets to the age of six months for 15⅓ cents each.

If you want GRAND LAYERS or SHOW BIRDS, write me your wants

F. S. SMITH, Box C and D, Hamilton, Ohio

plant and such a business possible.—H. P. Schwab.

Among Our Advertisers.

BY H. H. COBURN.

Mr. and Mrs. H. J. Bennett are partners in raising and exhibiting Single Comb White Orpingtons at their farm, Heart's Desire, Connersville, Ind. Their buildings consist of one long hen house and six colony houses. To these they are now adding two more houses, caused by their big increase in business. At the Chicago Coliseum show they had three entries and won third hen and fifth cock. They are at present mating five pens for the egg and chick trade, these pens being headed by winners from different shows. Look up their ad and write them.

First and fourth hen, first and fourth cock, second and fourth cockerel, second and fourth pullet and first old and first young pen were the Chicago Coliseum ribbons won by Ross Swartout of Newport, Ont., Canada, with his Rose Comb Black Minorcas.

Frank E. Hering of South Bend, Ind., won first old pen, second young pen, first and fifth pullet, first, third and fourth cockerel, second and third hen and third and fifth cock at Chicago Coliseum with his Silver Campines.

An exhibit at Madison Square Garden which was the recipient of much admiration was the Buff Wyandottes of W. F. Schultz of Cuyahoga Falls, Ohio. Entering four birds, he captured first cockerel, second cock and fifth pullet. Showing at the recent Cleveland show, he won first and second cock, second hen, fifth pullet, also third and sixth pen. With these winners he is mating eight pens. He has the goods. Look up his ad in this issue and write him.

Winning first and second cockerel, first pullet, first pen, fourth cock and best display at Ashtabula, Ohio, then second cock and second pullet at Buffalo, then fourth cockerel and fifth cock at Cleveland is a record that shows H. H. Holmes of Ashtabula, Ohio, has some Rose Comb Rhode Island Reds that persist in winning. The Red competition is so strong that he who gets even a place must indeed show fine birds. Mr. Holmes has the most modern of plants fully equipped and is entirely lighted by electricity, while the houses are lathed and plastered. He is at present mating five pens, so you had better read his ad and write him for prices.

Showing their famous Grand Champion Boston cock at Madison Square Garden, Simmons & Crittenden of Geneva, Ohio, won second cock, second pen and fourth pullet. These and a great number of other ribbon winners are now in the mating pens getting ready for the egg trade. At the recent Cleveland show Mr. Simmons was the judge of Reds. He placed the ribbons where they belonged and to the satisfaction of all exhibitors. It was a large class and contained many of the best birds.

At the National Club meet of Buff Wyandottes held in Rochester, N. Y., the Rocky Run Farm of Northfield, Ohio, captured first old pen, fourth young pen, first and tenth hen, ninth cock, third and fifth cockerel, third pullet and best display. They were the only exhibitor to win more than one first prize. These and many other winners will be found in the Evergold mating pens.

B. H. Scranton of Rising Sun, Ind., has exhibited in many shows and has yet to meet his first defeat. His Single Comb Reds always take ribbons, no matter where shown. At the Chicago Coliseum in a large class of high-class birds he won first and third hen, second and third cock, second, third and fourth cockerel, second and fifth old pen and fourth young pen. His motto is, "To give my customers as good as I have myself." Write to him for his mating list.

Entered with the very best in the land and taking first young pen, fourth hen, first cockerel and third pullet was the record of F. M. Eakin of Bucyrus, Ohio, at the recent Chicago show held in the Coliseum. These are just a few of the many winners that he has on his up-to-date farm.

Eggs from choice pens composed of their Chicago Coliseum Golden Campine winners are what Gensemer Bros. of Creston, Ohio, are advertising. They won first hen, first and second cockerel, first, second and fourth pullet, also second and third young pens. At the same show in the hottest Silver Campine contest ever held they won fifth cockerel and fourth cock. Write them for prices.

W. S. Cobb of Jackson, Mich., kept up to

CLEVELAND'S S.C. BLACK MINORCAS

At Lansing, Dec. 27, 1913, and Jan. 3, 1914 we made 11 entries and won as follows: 1st, 2nd, 3rd and 4th pullet; 1st and 2nd cockerel, and 1st pen old. Eggs for hatching in season. Write for price list.

Elmer Cleveland, :: Member of S. C. Black Minorca Club, :: **Imlay City, Mich.**

WHITE WYANDOTTES

Again we win at Philadelphia, Pa., December, 1913, 1st and 5th Pens, 2nd Cockerel, and 5th Hen; also Silver Cup for best display, in the largest and best class of White Wyandottes ever shown at Philadelphia. We were showing against 29 exhibitors. At Philadelphia, December, 1912, we won 1st Cockerel and 3rd Pen. Our birds are big winter layers. Eggs from Philadelphia winners, $5.00 per 15; $8.00 per 30; $10.00 per 45. Other prize pens, $3.00 per 15; $5.00 per 30. Utility, $2.00 per 15; $8.00 per 100. Baby Chicks, $8.00 per 50; $15.00 per 100. Send for Free Catalogue.

CARR BROS., Celtic Poultry Farm, Box R, VINELAND, NEW JERSEY

DEMGAR'S S. C. WHITE ORPINGTONS

WIN AND LAY

Now is the time to order **Eggs for Hatching** for your winners for the early Fairs and Shows next season. Our birds have won at four shows this season, viz.: New York State Fair, Dutchess County Fair, Jersey City and Albany—13 firsts, 10 seconds, 7 thirds, 6 fourths, 2 fifths, 8 Specials and Silver Cup. Eggs from our best 6 pens, **$5.00 per setting;** from the other 5 pens at **$3.00.** We also have a few cockerels at **$5.00** and **$10.00 each,** and 2 young pens at **$20.00 a pen.** Correspondence invited.

Mr. and Mrs. P. A. Demgar, Box A, Brown Station, N. Y.

Four Out of Five Firsts

That's the class of birds you buy when you get

Brinkley's Wh. Plymouth Rocks

"THE BEST IN THE SOUTH"

They won four of the five blue ribbons at Little Rock, Ark., including Champion Cock and Hen and the same record at Jackson, Miss., including Champion Cockerel and Pullet. The $100 Sweepstakes the Best Hen and the wonderful record of 29 of the 30 prizes, was their record at Memphis, Tenn.

When better birds are bred Brinkley will breed them.
Send your Egg orders today. $3 to $15 per Setting.
Send for stock catalog. It is free.

W. J. BRINKLEY, J. H. Sledd, Supt. Box A, IUKA, MISS.

Eastern Star Strain Single Comb

Rhode Island Reds

Have proven among the best winners at

ALLENTOWN	HAGERSTOWN	SYRACUSE
WILLIAMSPORT	JERSEY CITY	SCRANTON

and other leading shows, write me your wants. I can supply you with eggs or stock and guarantee you satisfaction and my guarantee proper means stock at proper prices. Money refunded immediately if you are not satisfied. Mention A. P. J.

L. W. Maxson **Scranton, Pennsylvania**

Day Old Chicks



We are specialty breeders and shippers of day old chicks. Strictly first-class show and utility stock. Each variety bred on separate farm under supervision of man who understands his particular breed.

S. C. R. I. Reds	R. C. R. I. Reds
Barred Plymouth Rocks	White Plymouth Rocks
S. C. White Orpingtons	S. C. Buff Orpingtons
S. C. White Leghorns	S. C. Buff Leghorns
S. C. Brown Leghorns	

LIVE DELIVERY GUARANTEED FREE CATALOGUE

TIFFIN CHICK HATCHERY, Dept. A, TIFFIN, O.

SILVER LACED WYANDOTTES

Won at CLEVELAND, 1913, 1-2 pullet, 4-5 hen, 4 cockerel, 1-3 pen—16 entries, 14 winning ribbons in large class. These winners are MATED for the EGG TRADE.

EWING & ROMICH Lock Box 393 CRESTON, OHIO



BUFFORPINGTONS

At the Great Quincy Show, November, 1913, my Buff Orpingtons won 1st, 2nd and 5th young pen, 2nd old pen, 2nd cock, 2nd cockerel; also color special on female. A lot of grand cockerels and pullets at prices that will more than satisfy my customers.

Eggs, $5 and $10 per 15. All infertile eggs replaced.

A. A. ANDERSON :: MACON, ILLINOIS

Baby Chicks and Ducklings

Catalogue and Price List Now Ready and Will Be Sent on Request

13 Leading Varieties of Chickens and Indian Runner Ducks. **2000 to 4000 "Better Quality"** Chicks and Ducklings hatched weekly. It will pay you to write us before ordering elsewhere and learn **why** our Chicks are **"Better Quality."**

The Osbun Poultry Farm and Hatchery Co. :: Mansfield, Ohio



J. W. Parks' Strain

BRED-TO-LAY

BARRED PLYMOUTH ROCKS

24 "Liberty Bill" sons and daughters in my breeding pens this year for the Egg trade. Circular free. : : : **24**

SOME GOOD BREEDERS YET TO SPARE

O. F. MITTENDORFF : BOX F : LINCOLN, ILLINOIS

Deming's Champion Strain Single Comb Rhode Island Reds

Winners of over 400 prizes the past 8 years. During the season of 1912-13 they have won at Grand Central Palace, Madison Square Garden, Boston, Albany and other large shows.

At the recent Madison Square Garden Show I won First on Pullet, Sixth Pen. At the Garden Show, Dec. 28, 1912 to Jan. 4, 1913, I won Third Pen and Fourth Cock. Some superb matings this season. Eggs from exhibition pens, $10 per 15 eggs. Send for mating list. Breeding and exhibition stock for sale at all times. **H. P. Deming, Robertsville, Conn.**

PREMIER WHITE WYANDOTTES

CHAMPIONS AT CANADA'S GREATEST SHOW, 1913

At the **"Ontario,"** Canada's Madison Square Garden Show (6,000 birds shown), in a class of 259 White Wyandottes, my birds won: Hens, 1st and 7th; Cock, 8th; Cockerels, 2nd, 7th, 8th and 10th (79 competing); Pullets, 2nd, 3rd, 4th, 5th, 6th, 7th and 9th (79 competing); $50.00 Club Silver Challenge Cup and the Bullock Memorial Cup for best Cock, Hen, Cockerel and Pullet. Special for best Hen. Special for best Cockerel and Pullet, Collection, etc., completing a record win of exceptional merit in a wonderful class of quality and winning more regular and special prizes than any **five** of my competitors combined.

Eggs, $5 per 15. Write today.

SID SAUNDERS, Secy.-Treas. Can. W. Wyandotte Club, Box A, INGERSOLL, ONT.

THE "Maryland" STRAIN

Walden's Barred Rocks

Win at Baltimore, Md., 1914

First Prize Hen and Shape Female and Second and Fourth Pullets

The Pullet Bred Line a Specialty

My birds have won this year also at Philadelphia, Williamsport, Pittsburgh, Hagerstown, etc. For years they have won at leading shows. If you are interested in Quality **My Maryland Strain** will interest you.

My New Catalogue for the Asking

It gives you full and complete information of my line with prices, etc. Eggs for hatching from selected pens containing all my winners. Write me your wants today.

R. J. WALDEN Box A MIDDLEBURG, MARYLAND

his old rule of never failing to land a blue ribbon at Chicago. Showing his White Wyandottes at the Coliseum he captured first pullet, second hen and third cock. He has been a Chicago winner for years.

Mrs. A. A. Carver of Seville, Ohio, was another blue ribbon winner at the Chicago Coliseum. With her Golden Campines she took first cock, first pen and second hen. She has recently imported a male Golden Campine known as one of the greatest birds in England. This bird was purchased direct from Rev. Jones. With these winners and her new holdings she is in a position to supply your egg wants. Write to her for prices.

A most remarkable list of winnings at the Chicago Coliseum were those of Fred E. Harrison, Menominee, Mich. With his Single Comb Reds he won first and fourth cock, second and fifth hen, first and fifth cockerel, first, second, third and fourth pullet, first, third and fourth old pen and first and fifth young pen. Mr. Harrison is mating the largest and best pens this season that he ever has. If you want eggs you better write promptly, for he has to return money for unfilled orders every year.

Second pullet bred pen was the ribbon captured by Rosemont Farm of Webster Grove, Mo., showing Single Comb Brown Leghorns at Chicago Coliseum. This farm has a mighty fine list of cockerels and pullets for sale and they are mating up some excellent pens. Be sure to write them.

W. L. McMillan of Fort Wayne, Ind., was a Chicago exhibitor, his Rose Comb Reds winning first pullet, second cockerel and third cock. His birds are of a very fine type and color, and this season's matings will contain these and a number of other winners. Write to him; he has special bargains in cockerels.

Another Chicago Coliseum winner was Frank C. Cole of Van Wert, Ohio. His Buff Plymouth Rocks won first young pen, first pullet, third hen and fourth cockerel. His birds are remarkable for their Wyandotte type and even golden buff. These winners and others of a like type compose his this year's breeding pens. Be sure to write him for his mating list and prices.

Again the Herrick Poultry Yards of Bancroft, Mich., were Chicago Coliseum winners. Their list of ribbons include second cockerel, third cock and third young pen. These Single Comb Black Orpingtons have won at Chicago and Detroit for the past ten years, and always get a share of the blue ribbons. Their pens for this season's egg trade are all headed by winners and almost every female has a show record to her credit. The demand for his stock always exceeds the supply, so it will pay you to write him promptly.

Showing their Single Comb White Orpingtons at the Chicago Coliseum, the Aldrich Poultry Farm, Columbus, Ohio, won the following: First and third cock, second and fourth hen, first, second and fifth cockerel and first old and first young pen. This together with their other long list of winners gives them a great record. Their mating pens for the coming egg trade can not be beaten in this country or in England. Last year they hatched and raised over two thousand of these S. C. White Orpingtons.

F. M. Farrant, of 745 Prairie avenue, Kalamazoo, Mich., is an artist of no mean ability when it comes to mating and raising high-class Single Comb Brown Leghorns. His strain of birds, no matter where shown, always capture ribbons. Winning at Chicago for several years, his list of prizes this year included first pullet-bred cock and first and fifth cockerel-bred pullet. The first Chicago pullet was out of his first pullet of a year ago. His customers' winnings for this year included Detroit, Grand Rapids, Kalamazoo and many others. Look up Mr. Farrant's ad and write him for prices and mating list.

H. A. Keister and his Rose Comb Black Minorcas are located on a 25-acre farm just on the edge of Bangor, Mich. For several years Mr. Keister has been striving to give his birds that green-black plumage free from all purple barring, and has at last met with success. For this season he is mating five very select pens headed by winners from such shows as Madison Square Garden, Boston and Chicago. He has some high-class birds for sale at reasonable prices. Write him for catalog and mating list, so that you can get in right on high-class Rose Comb Minorcas.

One of those breeders and exhibitors who holds a prominent place in the poultry world is Mr. B. M. Billings, a breeder of

Rose and Single Comb Rhode Island Reds, living at Oberlin, Ohio. When he first started he made it a rule to buy the best of birds, and by careful mating he is now furnishing prize-winning birds for some of the biggest shows. His farm consists of 170 acres about two and a half miles out of Oberlin, and anyone that wishes to visit his farm has only to drop him a card and he will be glad to meet you with an auto. At the recent Cleveland show, where his competitors were Chicago, New York, Boston and Columbus winners, his Single Comb Reds won first cockerel, second pullet, the silver cup for best S. C. cockerel, also both shape and color special. These are just a few of his very large list of winnings. He is mating twenty-five pens for the egg trade and has some very choice stock for sale. Look up his ad and write him for price list.

Old Honesty Hatchery.

Just about eleven years ago G. H. Kichline sent out his first shipment of day-old chicks. By honest and fair treatment and the fact that his chicks were received by the purchaser in a strong, healthy condition he has built up a business that places his Old Honesty Hatchery among the largest and best in the world. He deserves a great amount of credit for being the inventor and builder of all machines used in his plant—machines that are delivering the goods. He is also the inventor of the Old Honesty heater, which is giving the greatest of satisfaction wherever used. Ten of his many acres are devoted to prize-winning fowls with which to supply eggs for Old Honesty Hatchery. Their shipment last season was a hundred thousand chicks. This included several of the many poultry farms in the immediate neighborhood, and these chicks went to every nook and corner of the country. The baby chick route is the surest way to get started towards success. Driving through the country, just take notice and you will see the back number farms begin to hatch chicks in August and September, while at the live, up-to-date ones the pullets are beginning to show signs of laying. Think this over and get into the live, progressive class. Buy chicks from the Old Honesty. They have sixteen leading varieties—White, Buff and Black Orpingtons, Barred Band White Rocks, White and Brown Leghorns, Reds, Wyandottes, and Sicilian Buttercups. The latter variety was the largest class at the late New York show. A large plant very well managed, I can readily recommend them. Write for their catalog and prices. Address Old Honesty Hatchery, New Washington, Ohio.

How the Belle City Reached 276,000 Users.

This statement suggests a big modern factory and that is what they have, but it doesn't tell the story of the small beginning, the original little one-storied building where the first Belle City Incubators were made, the knocks and the boosts that made up the chapters year by year and the winning of the eight world championships. Fourteen years ago, when Jim Rohan, then a mere youth, began making Belle City hatching outfits, he summed up his manufacturing policy in the words he had received when a boy from his father, "Jimmy, always be sure to give 100 cents' worth for every dollar you get." The business has grown since, but the policy has remained the same. Today the Belle City Incubator Company's plant at Racine, Wis., is the largest factory in the world devoted exclusively to an incubator and brooder of one size. A trip through the various departments is most interesting, the work being carried right through from the beginning to the packing, ready to be delivered to your door. A new book, "Hatching Facts," has just been published by Jimmy Rohan. It tells just how every part of the Belle City Incubator and Brooder is made, giving illustrations. This book will be sent free. Just address Jim Rohan, Pres., Box 27, Racine, Wis.

Campine Club of Ohio.

At the recent Cleveland show the Campine breeders of Ohio met and formed a state club to be known as the Campine Club of Ohio. The object is to promote and encourage the general breeding of Campines throughout the state. After several very intelligent speeches the following officers were elected: T. E. Gensemer, president; Ted E. Wanstall, vice-president; D. H. Hopkins, secretary; G. M. Smith, auditor; and C. H. Lines, R. A. Dinsmore and G. H. Calhoun as members of the executive committee. The best wishes of the American Poultry Journal go with you, gentlemen. May your club grow and grow like an oak tree, large and sturdy.

MOORE'S SINGLE COMB REDS

Won at WASHINGTON, 1st cock, 1-2 cockerel, 1-4 pullet, and color special. Eggs at living prices. Best prize matings, $5 per 15. Selected matings, $2-15, $5-50, $8-100. Fertility guaranteed. Descriptive catalogue free.
C. S. MOORE -:- STATION A -:- WASHINGTON, D. C.

SCHOOF'S BUFF ORPINGTONS

My pens are headed by sons of 1st Chicago cock, 1911. Won wherever shown. Broad, deep, low and massive. Write your wants and send for mating list. Satisfaction guaranteed.
Walter C. Schoof, Specialty Breeder Member Nat. S. C. Buff Orpington Club Imlay City, Mich.

BARRED PLYMOUTH ROCKS

Acme Strain—None better. Write for mating list and winnings.
ACME POULTRY YARD, C. A. GIFFORD, PROP., RUSK, TEXAS

HIGH STREET FARM — S. C. WHITE LEGHORNS

Win at Three Shows—13 Firsts, 8 Seconds, 3 Thirds, 2 Fourths. They represent best quality and type. Are bred for heavy laying qualities. Pens headed by cock birds direct from D. W. Young. Mating list ready. Satisfaction guaranteed. CHAS. MYERS, CARROLLTON, ILLINOIS

S. C. WHITE LEGHORNS

Hatching eggs, $1.25 per 15; $6.00 per 100. March chicks $12.00 per 100. From well-bred, hardy flock, insuring strong fertility and healthy chicks. All breeders have high egg records. A reliable source for quality stock.

JOSEPH STENZ & SON, FOND DU LAC, WIS.

Rockland White Rocks

CHAMPIONS OF THE SOUTH

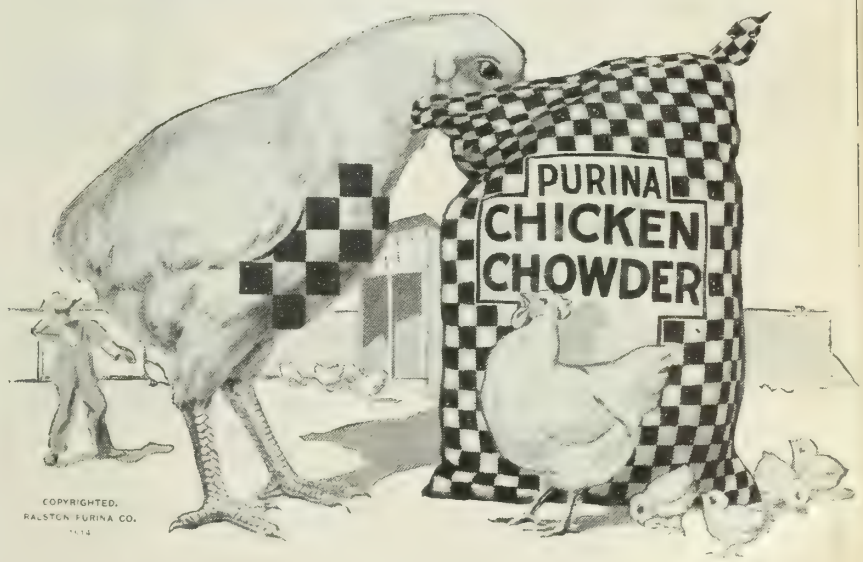
Win at Baltimore, January, 1914

In a great class, superior in numbers and quality, I win First Prize Cockerel, First Prize Pullet, Shape Male and Shape Female, Specials, etc. My complete winnings are Cock, 3-4; Cockerels, 1-3-4; Hens, 2-3; Pullets, 1-4. Have also won at Hagerstown and other leading Shows.

GRAND COCKEREL SALE NOW ON

Cockerels, $5 up. Pullets, $3 up. Pens and Trios a Specialty. Address

Rockland Farms D. Lee, Prop. Benson, Maryland



Chicken Chowder makes Chesty Chix.

It makes them grow twice as fast. This means large profits, heavy egg production and vigorous chicks that withstand disease. You can't afford to be without this *growing feed* now, any more than you could afford to be without it last winter when you proved that "if Chicken Chowder won't make your hens lay they must be roosters." Feed Chicken Chowder in addition to Purina Chick Feed and double your profits. For sale by leading dealers. Order from your dealer today.



Checkerboard Poultry Book FREE!

For your dealer's name we will send you this 48-page Poultry Book, containing plans of houses, breeding and feeding charts, space for daily egg records, cures of diseases, care of baby chicks, etc. It also contains information about Col. Purina's half price galvanized iron Chick Drinking Fountain (2 for 25c) and more details about his Automatic Chicken Chowder Feeder (50c). Write today.

Col. Purina, Purina Mills, 801 Gratiot Street, St. Louis, Mo.

Walker's Barred Rocks

Won at Illinois State Show, Jan. 5-11, 1914: 1st pullet mating pen, 2nd cockerel pen, 3-5 cock, 1st hen, 5th pullet, 2-3-4 pullet bred cockerels; Special for best cock, hen, cockerel, pullet and pen; also State Barred Rock cup for 1914. This is the third year we have won the State cup.

Some good **breeding cockerels,** either mating or exhibition, also **cockerel bred pullets** for sale. Write me your wants. Prices reasonable.

G. A. WALKER -:- -:- POLO, ILLINOIS

BLENCOE'S ANCONAS ROSE AND SINGLE COMB

Winners for years at Big Shows from Boston to Seattle. Won 1st Pen at Chicago this December; 1st Cockerel, 1st and 2nd Pullet, 3rd and 4th Pullet, 1st Hen—3rd Hen at Madison, 1914. Pens Mated. Get your stock and book your eggs early.

MRS. GUY BLENCOE -:- -:- ALMA CENTER, WISCONSIN
Member International Ancona Club. Life Member A. P. A.

RoseComb RhodeIsland Reds



We win at MADISON SQUARE GARDEN, NEW YORK, Dec. 24th to 31st, 1913, in competition with the World's Best Reds, SECOND COCK. SECOND PEN AND FOURTH PULLET. This, combined with our winnings at BOSTON, CHICAGO, PITTSBURG AND CLEVELAND, places us among the leading breeders of Rose Comb Reds in America. Choice cockerels and pullets of that dark, rich, brilliant color at reasonable prices. EGGS, $5.00 to $15.00 per setting. Don't fail to send for our free illustrated mating list describing our pen in full.

SIMMONS & CRITTENDEN : GENEVA, OHIO

Savacool's White Wyandottes

Again Prove Their Quality at the Great Phila. Show

Winning three firsts, two seconds, one third. I have some choice cockerels at very reasonable prices. Stock and eggs for sale. Let me know your wants.

A. J. Savacool, Box 6, Cornwells, Maud P.O. Bucks Co., Pa.

PAYNE BROS.' R. C. R. I. REDS

MAKE BIG WINNING

At the **Annual Meeting of the R. I. Red Club of America, New Haven, Ct.,** Dec. 10-13, 1913, we won, in a hot class: 2nd and 7th Cock; 1st and 2nd Hen; 4th and 6th Pullet; 5th Cockerel; 2nd, 4th, 5th and 7th Pen. Also State Cup of the R. I. Red Club. Some good breeders for sale. Catalogue Feb. 1.

PAYNE BROS., - - - - Box J, - - - - Portland, Conn.

Palmer's White Rocks

WINNERS FOR YEARS

Selected birds of all grades. **Your money's worth** whatever the remittance. Birds from us bring first-class results and will produce winners. Book your egg orders now and be assured of prompt delivery. $5 and $3 per 15.

"The Glen" Poultry Farm : Fairport, New York

Single Comb White Leghorns Exclusively

D. W. YOUNG'S STRAIN

The finest in the World. Bred for their great winter laying qualities. Milk fed. Over 2,000 layers on free farm range. Largest plant of high class breeders in the world. At farmers' prices. Eggs for hatching now ready in any quantity at $6.00 per 100, no order too large. Baby chicks $12.00 per 100, capacity 6,000 weekly. Now booking orders for March and April delivery.

My book, "Profits in Poultry Keeping Solved" shows where the money is, price $1.00 5th edition given free with all $10.00 orders. Satisfaction guaranteed. Descriptive circulars free.

Edgar Briggs Box 144 Pleasant Valley, N. Y.

F. M. Love.

The breeder of Barred Rocks living at Lewiston, Ill., was the winner of 2d cock at the Chicago Coliseum, and not W. D. Holterman, as shown in our January issue. This Barred Rock cock of Mr. Love's was purchased as a cockerel from the well-known yards of Bradley Bros.

Great Winners.

Out at Freneau, Monmouth county, N. J., there is a farm devoted to producing S. C. White and Buff Leghorns that so successfully combine utility qualities with a remarkable prize-winning record that they are popularly known as "The Twentieth Century Dual Purpose Fowl." Mr. Punderford, the owner of Monmouth Farms, is a well-known poultry judge and successful breeder and has won many firm friends by his straightforward dealings. His S. C. Buff Leghorns have won the first pen at Madison Square Garden for five consecutive years, a record unparalleled by any other breeder. The recent winnings of Monmouth Farms show that the quality has not deteriorated any the past season, but still lead in competition all over the country. They were winners at the Atlanta, Ga., show of 1912, at the Hagerstown Poultry Show last fall, at the New York 1913 Grand Central Palace Show, and at the recent Madison Square Garden Show. This record, supplementing their previous winnings at Philadelphia, Boston and other big shows, is the best evidence of the remarkable quality of Monmouth Farms Leghorns. Mr. Punderford's prices are very low, and we suggest that you write for his catalog, which includes a beautiful colored insert, suitable for framing. Address Monmouth Farms, Box 23, Freneau, N. J.

Mount Pocono, Penn.

While traveling through eastern Pennsylvania recently, the representative of this paper had the pleasure of visiting the Mount Pleasant Farm at Mount Pocono. Here he saw both in buildings and stock everything necessary to the successful production of eggs and poultry of the highest order. A plant that had, in design and finish, every sign that it was built by men of experience; men who were working with a definite end in view. In speaking of the great vitality evident in the Mount Pleasant Farm layers and the breeding of heavy layers, Mr. Leach, the proprietor said: "The egg is to all intents and purposes a perfect reproduction of the hen; then egg-laying is not the trait which we wish to develop in the hen—we wish to develop this power of reproduction. The power to reproduce is increased by developing vitality. A great layer, a bird of great vitality, cannot be bred from a hen that has a great record as a layer, because in making this record she has so weakened each individual reproduction of herself—the egg—that a healthy pullet cannot develop. At the Mount Pleasant Farm the Single Comb White Leghorns are bred for vitality, for the ability to reproduce—to lay eggs. By careful and systematic feeding they are taken through the pullet year with but a fair average egg yield and enter their breeding year full of strength and vitality to lay eggs that will hatch—hatch chicks that will live and grow to be birds of great vitality. It is these eggs that we ship to our customers, or chicks from these eggs. We do not have great record layers in our brooding houses; our farm is purely a breeding establishment. Our customers who are after great egg yields for commercial purposes have but to feed our pullets for that purpose; they will lay, for they are bred with great vitality." The Mount Pleasant Farms have faith in their ability to produce eggs that will hatch; they replace all infertile eggs and guarantee the safe delivery of day-old chicks.

Victors Again.

Considerable excitement prevailed in the Ancona Isle at the late Madison Square Garden Show. The class was a large and strong one. After the smoke had cleared away it was found that Sheppard's famous Anconas kept up their record of carrying away the honors. Mr. Sheppard won eight times as many first prizes as his nearest competitor. His first prize Rose Comb cockerel and first prize Single Comb pullet were pronounced two of the best Anconas ever exhibited at the garden. He deserves great praise on the quality of his birds, for he has been winning a great number of the blue ribbons in the big New York show for the past eight years.

American Bred White Orpingtons.

It has been but a short time since the English breeders boasted that it was not possible for breeders of White Orpingtons in the United States to breed up birds to take first prizes at the exhibitions in which English birds were shown, and up to a recent date it was true, so far as young stock was concerned, as the English cockerels, especially, were so much heavier than American bred birds that they nearly always were winners. That this is not now necessarily true is shown by two facts. The first is that the winning English birds were not taken back to England. They were among the best show birds in England, and sending them away deprived England of at least a large part of their finest breeders, and they were placed in the American pens, so that in blood and pedigree the American Orpington stock is at least equal to the best in England.

As the breed was comparatively new in the United States and the prices of the first prize winners were high, there were very few even of the largest breeders who were able to secure enough of the high-class stock to secure the best results, and the methods of feeding the young stock in England to secure weight and size were but little known, so it is not to be wondered at that it was deemed essential to import cockerels in order to secure first prizes in the leading shows.

But the Americans have gained experience as to the feeding and care, and the number of fine imported birds and their progeny is now so great that there can be only the claim that our climate is such that with the best of stock and the best of care we cannot equal the birds raised in their native land.

That this is not true is clearly proved by the results of the exhibitions of the present season. At the exhibition at Chicago, December 12, 1913, there were three cockerels up to or above standard weight, and at New York, at Madison Square Garden, December 26, 1913, the first three cockerels were all above standard weight, one hatched in April weighing above nine and one-half pounds, one hatched in March, over ten pounds, and one hatched in February, over eleven pounds. All of these birds in both shows were hatched and reared upon one poultry farm, whose winnings at New York were the greatest ever made in the Single Comb White Orpington class, and this same firm also secured the first prize for young pen at Chicago on birds of their own breeding.

It is no wonder that this firm has had such success with its young stock, as it had a greater number of fine birds for the foundation stock than had ever been gathered in one plant, and had the experience of one of the best English breeders to mate, care for and condition its birds.

These were the reasons given by one of the members of the Aldrich Poultry Farm of Columbus, Ohio, when asked how they had achieved such remarkable results.

He also stated that they had made great advances the present year over last season, they not only having their prize winners of last year but all of those of the present year and the unshown progeny to mate, and in the twenty-five pens mated up there would not be a male bird under standard weight, and they will have at least one hundreds hens and as many pullets, every one of them up to or above standard weight. The color of their birds at these exhibitions was such as to attract all beholders, equaling in purity the best of the older white varieties.

They say that in order to secure young stock of full weight for the exhibitions it is necessary to hatch the birds as early as possible, so that they will be well grown before the hot and dry weather of midsummer, so if eggs are wished from them they should be ordered early, and all their flock will be mated by January 1.

Their catalog of 56 pages, showing their last year's mating list and their mating list of 1914, is now ready for distribution and will be sent upon application to all desirous of securing stock or eggs.

Simple or Simplex Brooding.

Gerard S. Jordon, of Freehold, N. J., writes: "To my mind the most difficult problem there is in poultry keeping is the artificial brooding of young chicks. The heavy mortality during the brooding period is one of the greatest drains on the poultry keeper's profits. Many are the reasons that can be assigned for this high mortality. The principal reason in my mind is an inefficient brooding system. The majority of the diseases in the baby chicks can be directly traced to this cause. Hens will brood 100 per cent better if given fine weather, but the natural system is not adaptable to the large commercial egg farm or the small intensive poultry-raiser. The most widely used system in artificial brooding is the individual lamp and hover, used indoor and outdoor, in specially constructed coops or in brooder houses. To me it was always a perplexing question to determine the correct amount of heat units there should be under the hovers at night. A little too much heat and you get an aftermath of bowel trouble, not sufficient heat, and your chicks get chilled and crowd. In the Spring of 1913 I wanted to raise about 1,500 chicks. I installed a Simplex Brooder Stove, and in the month of April placed 970 chicks around this stove. The results were marvelous. At the end of seven weeks my records showed I lost 6 chicks, and 11 of these were accidentally killed by a box falling on them. The conclusions I have arrived at are that the Brooder Stove System is without a parallel for its cheapness and efficiency in raising husky chicks."

Single Comb White Leghorn breeder will do well to look up the advertisement of Harry A. Muntz, Elgin, Ill., which appears on another page of American Poultry Journal. Mr. Muntz is breeding Leghorns that show the true down to date type. At the recent Coliseum Show, Chicago, his winnings were 2nd cock, 2nd

STRAIN **FORDHAM FARM**

BELMAR, NEW JERSEY

Light Brahmas — Won 1st Pen, Madison Square Garden
Won 1st Cock.

Pekin Ducks — Won 1st, 2nd, 3rd, 4th, 5th Hens.
Exhibition and Utility Stock

Dutch Belted Cattle — Won 1st Cockerel
Monmouth Poultry Club.

Jersey Red Pigs

E. J. STROUD, Owner

Largest Barred Plymouth Rocks

Winning Again This Year at GREAT COLISEUM SHOW, CHICAGO December, 1913, with 3 Entries: 2nd Pullet, 3rd Pullet Mating Pen

At ILLINOIS STATE SHOW, January, 1914, with an entry of 13 birds, 11 were winners; also Best Colored Female, Best Shape and Champion Pullet.

My birds are second to none in SIZE and COLOR OF BARRING. I have furnished 87 of the winning birds this winter at some of the LARGEST SHOWS IN THE UNITED STATES AND CANADA. For the season of 1914 I have some of the grandest matings I have ever had and can furnish you eggs in any quantity. Write for catalogue of the largest Barred Plymouth Rock farm in the Mid-West. EGGS FOR HATCHING—$3.00 per 15, $8.00 per 45, $15.00 per 100.

LUTHER J. HALL -:- KENNEY, ILLINOIS



Old Honesty Hatchery

OUR ELEVENTH SEASON—Day-old chicks for sale. Sixteen leading market and egg laying varieties, also strictly utility and show birds. Catalogue free. Prompt replies. Prompt shipment. Mention American Poultry Journal when writing.

G. H. Kichline, Prop., Dept. A, New Washington, O.

A Few of Our Thousands of Testimonials:

Wheeling, W. Va., Feb. 24, 1913.

Dear Sir:

I wish to thank you for your shipment of 300 S. C. W. L., sent me in 1911. When I got them at the express depot they were as fine a lot of chicks as I ever saw, every one alive and active. I raised nearly all of them and have now as fine a lot of White Leghorns as can be seen in this part of the country. At present I can sell almost all the eggs I get for setting and get a good price. Thanking you for past favors, I remain yours truly,

R. A. HANKET,
Glenwood, Wheeling, W. Va.

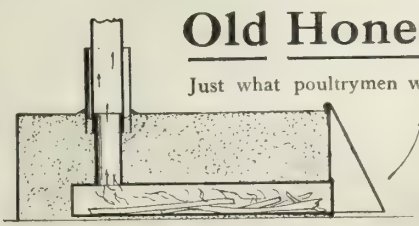
Ridgway, Pennsylvania, May 5, '13.

Old Honesty Hatchery.

Dear Gentlemen: I received the 200 baby chicks April 30 in an O. K. condition. I want to thank you for prompt shipment; the chicks look so strong and healthy, which makes me believe that Old Honesty Hatchery is the place to buy chicks. I wish you good luck and remain yours very respectfully,

LEANDER CARLSON.

Old Honesty Heater Co.



Just what poultrymen were looking for this long time. **A new invention** to get Winter eggs and raise chicks successfully. Patent granted March 26, 1913. Write for circular (free). Tells you all about it.

OLD HONESTY HEATER COMP'Y.
Dept. A New Washington, Ohio

ockerel, 5th hen, 4th pullet. At the lgin Show, January 5-11, in a class of ne hundred and fifty of the best Leghorns ever cooped in Elgin he won 1st, nd cock; 2nd, 3rd, 4th cockerel; 1st, 2nd en; 4th pullet. The same quality runs ll through Mr. Muntz' flock. All show he same graceful curves with beautiful weep to back and low-carried tails. We eel sure that Mr. Muntz can more than atisfy you if you are looking for quality Single Comb Leghorns.—J. C. Johnston.

Still At It.

When you get to doing something real ften it becomes a "habit." Judging from ll appearances, the White Wyandottes of . C. Fishel & Son have contracted the abit of taking "ribbons." At Cincinnati hey carried ribbons away by the yard, everal of them being blue. The following veek Fisheldottes in the hands of J. F. trasburger took several ribbons at the hicago Coliseum. After that Fishel strain was shown in Atlanta, Ga.; in fact, you find them in every show. No matter where you live—North, South, East or West—the showing of Fishel strain means contracting the "ribbon habit." For years they have been outclassing all rivals no matter where shown; they are the product of a lifetime's study, devoted to making them perfect. Raised on free range, with plenty of room to roam, insures a vigor never found in penned-up birds. They raise them by the thousands and devote their entire time and attention to but one thing—raising birds that will give you the ribbon habit.

A Good Motto.

"Honesty and square dealing"—this motto has been a large factor in the wonderful success of the Twentieth Century Hatchery, of Chatfield, O. Blum & Co., the owners, have over thirty farms in and around Chatfield, raising Standard bred poultry on each one; each breed is on a separate farm, each flock consisting of about 100 birds. Each and every flock is headed by a high-class male and many of the females are of exhibition stock, thereby assuring their customers of a high type of bird. Mr. Blume personally supervises each farm and no "alien" is ever tolerated on the respective farms. This vigilance insures healthy and vigorous chicks that can travel hundreds of miles with practically no loss. With a capacity of 40,000 eggs they are in a position to furnish you any breed or type of day-old chicks that you may want. Write today for their catalog on day-old chicks and poultry supplies, of which they carry a complete line.

Fowls Want Green Food.

Every poultryman knows how fowls devour green food when shut up in pens or yards, or even in the summertime when running around and the grass has begun to wither and dry. The old method of throwing cabbages, beets, etc., on the ground has not been very satisfactory, as the food quickly gets soiled and filthy. Some practical yet inexpensive device has long been needed—something that would hold vegetables and green stuff as long as needed. The device is here in the form of Carter's Sanitary Green Food Feeder. This keeps the green stuff clean, prevents waste and will not get out of order or injure the combs or heads of the fowls. Many big poultrymen are using it and indorse it very highly, so it will pay you to write the manufacturer, H. F. Pierce, 482 Wadsworth Bldg., Portland, Me., asking him to send you a descriptive circular. He sells this feeder under a guarantee of satisfaction or money refunded.

The Natural Hen.

It is quite probable that a great many of our readers are already acquainted with J. F. Siems and his natural hen incubator. Mr. Siems has solved the problem that has confronted incubator manufacturers practically ever since the first one was built. It makes use of the actual hen and does away with lamps, oil, expense, hot, death-dealing fumes, etc. His incubator is practical in every way and leaves no uncertainty about bringing forth strong, healthy chicks. In the natural hen incubator, where Mrs. Hen is the controlling feature, she is kept strictly on the job until the entire hatch is produced. You will find Mr. Siems' advertisement in this issue. Write for his catalog, addressing Natural Hen Incubator Co., 1349 Constance St., Dept. 4, Los Angeles, Cal.

Poultry Raiser Invents Hatching Chart.

Through a crude diagram which was in the form of a circle containing 21 spaces, one for each day of the hatching period, a poultry raiser made a suggestion to the company of which he purchased his incubator that has resulted in the publication of the only hatching chart in the world. This hatching chart and a valuable free booklet, entitled "Turning Egs Into Chickens Into Dollars," will be sent postpaid to all who request it of the publishers, The Rayo Incubator Co., 1012 So. 13th St., Omaha, Nebr. The booklet also gives full information about the remarkable Rayo Incubators and Brooders, which run for three weeks on a gallon of oil.

Two Entries—Two Winners.

With 51 White Wyandottes in line, Judge Russell at the Jackson, Mich., show said the "class is equal" to the Chicago Coliseum show. H. N. Hanchett, of Jackson, Mich., who made but two entries, carried away 1st pullet and 1st pen and also took 1st, 2d and 3d cockerel and 1st, 2d and 3d pullet with Blue Orpingtons. Mr. Hanchett and his Blues took a few Chicago ribbons, getting 2d and 4th cockerel and 4th and 5th pullet. He is now getting ready to include a few more winners in this list, as he is showing at Indianapolis and Detroit.

Red Sussex Farm, Marysville, Mich.

This farm contains between four and five hundred acres and is located on the turnpike about two miles from Marysville, with good shipping facilities at both Port Huron and Marysville. Several acres of this large farm are especially adapted for an ideal poultry farm, being high and dry. Mr. Myron W. Mills, the proprietor, and H. H. Coburn, his manager, have adopted "Red Sussex," readily seeing the great future

SINGLE COMB BROWN LEGHORNS

First prize winners at Madison Square, New York, Chicago and Philadelphia.
Prices reasonable. Write for circular. Mention A. P. J.

Frank Schellang, Route 8, Erie, Pennsylvania

ORPINGTONS OF THE SUPERB KIND

White, Buff, and Black. Imported and choicest of domestic stock, show birds, excellent breeding trios and pens, and young birds for sale at small prices. Catalogue Free. Correspondence solicited. Mention American Poultry Journal when writing.

BRUCE Poultry & Stock Farm
Lynbrook, L. I., N. Y.

C. O. D. SHIPMENT

Extra fine poultry, all leading breeds of Chickens, Turkeys, Ducks and Geese shipped C. O. D. They will surely please you. Fine show birds, heavy bred-to-lay stock. Large, vigorous and healthy. Write your wants. **Special prices now.**

MACOMB FANCIERS CO., Route 15, Macomb, Ill.



Mundee's Lightning Roup Remedy

Most successful, effective roup remedy known
50c and $1.00 per bottle, postpaid. Send for ciccula r

W. J. MUNDEE, LIBERTYVILLE, ILL



Breeder, Shipper and Importer of—

ORPINGTONS (Buff, Black, White)
WHITE WYANDOTTES
S. C. RHODE ISLAND REDS
INDIAN RUNNER DUCKS
(White, Fawn and White, Pencilled)

Won 36 First Prizes, 10 Specials in Two Large Shows. Write for Catalogue.

Woman's College Poultry Farm : Meridian, Miss

TOLMAN FRESH AIR STRAIN
WHITE PLYMOUTH ROCKS

BABY CHICKS AND EGGS FOR HATCHING

The kind that LIVE and GIVE RESULTS. Over 80 per cent of his OLD CUSTOMERS ordered from TOLMAN last year. BOOK YOUR ORDER EARLY. Circular and price list FREE.

P. O. ADDRESS

Joseph Tolman -:- Rockland, Mass.
Dept. H, R. F. D. 1, Nearest Railroad Sta., Hanover, Mass.

that is in store for them. To a firm of such unquestionable financial standard and sound business judgment, nothing but the best Red Sussex obtainable would do. So they are importing England's finest. A large consignment arrived this month and will be ready for reshipment about March 1. Look up their ad in this issue.

Find the Drone.

There is no money in drones and maybe your flock contains a dozen or more. Get rid of them; they are costing you time and money and give you nothing in return. It is a simple matter to find them and it costs you but a small amount; it's an article that has been used and proved a grand success. It never fails to work and never gets out of order, the Economy Trap Nest. This is just one of the many poultry appliances manufactured by Niemann Bros. Mfg. Company. Their Model (all metal) Brood Coop made so that no rat or weasel can gnaw through, light and sanitary; it is impossible for it to harbor lice or infectious diseases; easy to take apart and put away until the next breeding season; a coop that will more than pay for itself the first season. Ask any exhibitor who has used the Model Exhibition and Training Coop, he will tell you that it is in a class by itself, the one best coop on the market; made of galvanized iron, sanitary and has a great number of special features that no other coop on the market has. Their catalog tells you how to do away with dirty, unsightly back yards caused from your chickens. Tear down that eye-sore, board henhouse and high fence that you have on your back lot. With the Portable Hennery you have a neat, attractive home for your chickens; a place for them to scratch and live in contentment, yet does away with all the dirty features. It is made of galvanized iron or you can have the wood with galvanized iron roof, nothing to get out of order; keeps your chickens cool in summer and warm in winter. This is just a few of the many poultry appliances that this firm are the manufacturers of, some of which are fireless brooders, setting coops, colony coops, runways, leg bands, portable fences and gates, in fact, their line of supplies is complete. Write and get their big illustrated catalog. Address Niemann Bros. Mfg. Co., Box 677, Mt. Olive, Ill.

The Ideal Chick Hover.

On one of my recent trips I called on the New Carlisle Mfg. Co., at New Carlisle, O. I found that they had something new—the Ideal Hover. From my viewpoint I think it comes the nearest to natural conditions of any artificial device ever put before the public. This hover can be set anywhere in any room. There are no holes to cut or false floors to build. One special feature that will meet with public approval is the handle. It can be picked up, lamp and all, and carried around like a pail. Can be used in colony, brooder or laying houses, or in any place in the barn or dwelling. Just light the lamp and fifteen minutes later it is ready to receive the chicks. One of the many who are using Ideal Hovers is the Ohio State Hospital for Insane, who purchased 17 of them and testify that they are giving absolute satisfaction.

Look into this hover; have them mail you catalog and list of the satisfied people who know they are Ideal. Address New Carlisle Mfg. Co., New Carlisle, O.—H. H. Coburn.

"A Paying Proposition."

You are always interested in a paying proposition. If you are a farmer or a poultry raiser, your poultry and eggs are the best paying proposition that you have on your farm or place for the amount of energy expended, provided that you properly feed, house and care for the hens. They must be properly fed, housed and cared for, and experience intelligently applied teaches you the best results. One of the very necessary adjuncts to your feed is Crys-co Grit, and experience will teach you never to be without it.

Now what is Crys-co? It is the crystallized or petrified shell formation—in plain words, petrified seashells turned into stone, guaranteed to contain 99 per cent pure carbonate of lime. Silica is contained in the formation, which is a natural glass, improving the plumage of your birds. Being hard, sharp and cubical, it saves the buying of separate grit; you therefore have a perfect grit and shell combination which will give you greater egg production without extra cost. Ask your dealer or write for booklet. See ad elsewhere in this journal. W. A. Neusitz & Co., St. Louis.

It's Great.

But if we were allowed to lapse into that slang expression that is heard on the streets every day we would say, "It's a bear." They tell us that this expression means "wonderful and beautiful." Well, that sums up the 1914 Fashion Plate Book of Buff Orpingtons, published by A. E. Martz & Son. From front cover to the last page it held the writer's attention like one of the six best sellers. It opens with a greeting that reminds you of the opening chapters of one of the great Elbert Hubbard's best books, then comes the announcement and for real live, snappy poultry news can not be beat. It tells you why and how Martz Orpingtons have become known as "the fashion-plate birds," giving their history from the egg until the time they become producers. It is illustrated throughout, showing their electric-lighted brooder house, which is also heated by hot water; it shows the interior of the conditioning houses, the mating houses and various views of this wonderful farm and buildings. Many pictures of their best birds are shown, together with a beautiful four-colored, two-page illustration of two of these beautiful Buff Orpingtons, painted by the well known poultry artist, L. A. Stahmer—in fact, it is complete in every detail. If you are in the market for birds or eggs, you owe it to yourself to send and get a copy of this catalog and price list. Address A. E. Martz & Son, Arcadia, Ind.

Ward's Champion Dark Cornish

Mating list of the **Champions** ready Jan. 15th. Phenomenal wins at the big shows this season, and in the past, point to one man, one place for **the best** in Dark Cornish. Write

JOHN W. WARD, JR. BOX 7 PENNINGTON, N. J.

SILVER CAMPINES

IMPROVED CHAMPION STRAIN

Bred from IMPORTED STOCK and CHICAGO WINNERS.

Can spare a few more young breeding birds. Several yards mated for Egg and Duck trade. Prices reasonable. Satisfaction guaranteed. Write for list.

ALICE RAWSON : BIG ROCK, ILLINOIS



S.C. White Orpingtons
Black Langshans

WINNERS AT THE LEADING SHOWS

EGGS FOR HATCHING

$3 per 15, $5 per $30, $12 per 100

WOODMAN-COLPRIT YARDS

1140 Mass. Ave., Arlington, Mass.



BUFF AND WHITE ORPINGTONS

THE ELMWOOD STRAIN

THE STRAIN OF LEAST RESISTENCE

BUFF ORPINGTONS. Cockerels that are blocky, broad, deep and massive, full of vigor, strong in under-color, strong in head points and type, and a rich, even, lustrous shade of buff, as soft as moonlight. Won more points at the New York State Fair than any other exhibition. Almost a clean sweep at Albany. They always win. It's in their breeding.

WHITE ORPINGTONS. Some very high-class cockerels to spare. I know we've got what you want I know, too, you can pay more elsewhere than I ask, but you can't get better blood lines, or quality. Book your order early for eggs at 50c each. A few baby chicks also. I guarantee to please.

THE ELMWOOD FARMS
A Busy Place

J. D. KEYWORTH, Prop.
Hudson Falls, N. Y.

SILVER WYANDOTTES

THE BEAUTY & UTILITY BREED
THE BEST WINTER LAYERS
STOCK FOR SALE AT ALL TIMES
NO EGGS NOR BABY CHICKS

A. E. TARBOX, BOX A, YORKVILLE, ILL.

They are going fast—our utility Silver Wyandottes. Only a few females left below $4.00 each, but we have about 50 utility Cockerels at from $2.00 to $4.00 each. If you want some, let us have your order soon; they will help the laying quality in your flock. We have a fine lot of choice breeders and exhibition birds yet in Cocks, Cockerels, Hens and Pullets at prices that are right. Let us supply your wants.

SILVER CAMPINES We have about 125 Cockerels and Pullets to spare in pairs, trios or pen of 1 male and 4 females. They are a fine lot and will please you. Send for Wyandotte catalogue or write your wants. No Campine catalogue, but will be glad to quote prices.

White Rocks and Silver Campines

My White Rocks are Winners at such shows as Quincy, Ill., Illinois State Fair and Illinois State Show, Springfield, Ill., 1912-1913.

I have been pedigree breeding this variety 10 years for heavy egg-production and standard excellence, and can supply winners for any show.

My Silver Campines are the Best Obtainable

My 1914 matings are each headed by a son of a winner at the 1912 Crystal Palace Show, England (the world's greatest show), mated to winning females.

A few fine White Rocks for sale. Eggs from special pens of either variety $5.00 per 15, $9.00 per 30. Circular free.

CHAS. A. SIMMONDS : CAMP POINT, ILLINOIS

Reaping His Reward.

Starting out to place the quality of his birds head and shoulders above any and all breeders, and in that way reap the reward that always comes after years of hard labor, E. B. Thompson is gaining his goal. If you will look up the Madison Square Garden winners for Barred Plymouth Rocks in the past three years, including the recent show, you will find his champion male has taken first and second pens at each and every show. Truly this is a wonderful showing and deserving of especial mention. The records show that in the past three years he has won nearly as many blue ribbons as any breeder in America has ever won in the entire history of Madison Square Garden. To make this record more phenomenal and unparalleled, this year he took first, second, third, fourth and fifth prizes for cockerels; this was all of the cockerel ribbons there were. The following gives his entire list of winnings for the Madison Square show, a record of three times as many first prizes as any other Barred Rock exhibitor, and more first, regular and special prizes than any other exhibitor of any breed. Here they are; isn't it a grand record? First and fourth cocks, first, second and fourth exhibition pens, the Imperial prize of the show, Sweepstakes Special for champion male, medallion for champion cockerel, diploma presented by American Poultry Association for best cockerel, special for best shaped male, special for best colored male, silver cup for best Plymouth Rock hatched in 1913, male or female, any variety, specials presented by the president of the American Barred Rock Club for best cockerel and best pullet. Three best cockerels, best display and best collection, silver cup presented by the New York Sun for best cock, hen, cockerel, pullet and pen, the association's $25 in gold for best display, and the Sweepstakes silver cup for best exhibition pen. Never in the history of the poultry business have you ever heard of such a record, and if you are in the market for prize winning stock this is your opportunity. Just write to the originator and breeder of this famous strain of "Ringlet" Barred Plymouth Rocks. Address E. B. Thompson, Lock Box 510, Amenia, N. Y.

43 Varieties

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.

MISSOURI SQUAB CO. Dept. R KIRKWOOD, MO.

OWEN'S SILVER LACED WYANDOTTES

Winning at largest shows in customers' exhibits. Birds of like breeding and my FIRST CLEVELAND cockerel (now cock) mated for EGG TRADE. : : : R. D. OWEN, CRESTON, OHIO

Kelly's Black Orpingtons

Prolific winter layers. Grand type. First Prize Pen at three big shows in one year (Cleveland, Buffalo, Cleveland); judged by Richard Oke, A. N. Braun and Hugh A. Rose. Our four classy breeding pens include world beaters and are mated for best results. Book orders for eggs now. Write for catalogue. When writing mention American Poultry Journal.

GERTRUDE H. KELLY, BREEDER WILLOUGHBY, OHIO

Shields' S. and R. C. Reds

Winners at leading shows wherever shown. Young stock and last season's breeders and exhibition birds at reasonable prices. No better breeding. Write today.

Chas. Shields : Library Place, North Side : Pittsburg, Pennsylvania

Orr's Special Chick Feed

Used by such men as D. W. Young; H. J. Fiske; D. J. Lambert, E. B. Thompson; Est. J. P. Morgan; Est. E. H. Harriman, and many others. Don't ruin the baby chicks with an inferior chick feed. We guarantee every particle; it is sound, sweet and palatable; will not get musty or sour. **It's always fresh.** You cannot raise the best strong, hardy chicks without **Orr's Chick Feed.** Our **mash, scratch** and **growing feeds** are the best made. **Old white cracked corn** one of our specialties. Send for booklet free; also price list.

WM. ORR & SONS Box 5 ORR'S MILLS, NEW YORK

SCHULTZ'S BUFF WYANDOTTES ALWAYS WIN WHERE COMPETITION IS KEENEST.

At Hagerstown, Oct., 1913, they won on five entries, 1st Pen, 1st and 2nd Hen, and 4th and 5th Cockerel.

At the Ohio State Meet of the Buff Wyandotte Club held at Cleveland, O., Dec., 1913, in one of the largest classes at the show, out of seventeen shown by me, fifteen were placed, including 1st and 2nd Cocks, and Specials.

Stock for sale, including several Cocks and Cockerels. Egg Circular. Prices Reasonable.

W. F. SCHULTZ P. O. BOX 97 CUYAHOGA FALLS, OHIO

The Woodview Poultry Yards

LONDON, ONTARIO

Our winnings the past ten years stand alone and unapproached. We can win for you. Woodview Strain is bred that way.

Barred Plymouth Rocks, Single Comb Reds, White Wyandottes, Partridge Wyandottes

ALL BIRDS SHIPPED ON APPROVAL

JNO. PRINGLE, Prop. : : : : : W. W. DODS, Supt

FELCH OFFERS

The product of his breeding pens of 1913 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts

100 Years In Business.

There are but few concerns in this country that can boast of being a century old. When a business does survive that long it is a pretty good sign that it is built upon the right principles and is conducted in the best interests of its customers. The celebration of its one hundredth anniversary in business is an event of which the George P. Pilling & Son Company of Philadelphia are deservedly proud this year.

These folks started the manufacture of Pilling surgical instruments in 1814, and although they had but one expert workman, they turned out nothing but the highest grade of instruments, which were soon popular because of their accuracy, fine materials and careful construction. They soon added the manufacture of Pilling "easy to use" horse, cattle and poultry instruments, which are considered the standard by veterinarians, stockmen, dairymen and poultrymen.

From the small beginning in 1814, the Pilling folks have grown to be the largest makers of special horse, cattle and poultry instruments in the world. Their plant now covers over 60,000 square feet of floor space and they keep over 100 expert workmen employed full time all the year round. Their factory is equipped with the most modern machinery and is a model of neatness.

This growth and record during the past hundred years is indeed one of which the George P. Pilling & Son Company may well be proud. To survive the wars, panic, and strenuous competition of the nineteenth century and come out with a clean name is almost without parallel in this country.

No Wonder They Look Happy.

Congratulations are pouring in on Bird Bros., of Meyersdale, Pa., on account of their recent great winnings at Chicago Coliseum and Madison Square Garden, New York. At Chicago, showing their Partridge Plymouth Rocks in a class of about 100 entries, they won a great majority of the ribbons. The list included first, second, third, fourth and fifth cock; first, second and fifth hen; first, second and third cockerel; first, second, third, fourth and fifth pullet and first old and first young pen. Is it any wonder they were happy? Not content with taking eighteen ribbons at Chicago, they left their Partridge Rocks at home, packed bag and baggage, and took their famous Bronze turkeys to New York. Again we hear from them in the list of ribbon winners; this time Madison Square Garden gave their Bronze turkeys first, second, third, fourth and fifth cockerel; first, second, third and fifth pullet, and first, third, and fifth hen. Some record, say we—twelve of the seventeen prizes. They have real cause for looking happy. It was a great record and one they can justly be proud of. Be sure to read their advertisement in this issue and write to them for prices.

Good Rule to Go By.

While making Illinois recently it was the pleasure of one of our representatives to call at the High Street Poultry Farm, located at Carrollton, Ill. Here he found a small, yet a most modern plant, equipped in every way with everything necessary to the successful production of poultry and eggs of the highest order. The owner, Mr. Myers, breeds Single Comb White Leghorns exclusively. They are of the D. W. Young strain, and bred for heavy laying qualities. We asked him to what he attributed his success. His reply was in two words, I "guarantee satisfaction." "Every bird and every egg that leaves this farm travels under a guarantee of money, refunded if not satisfactory; that is why I am kept busy filling orders." Mr. Myers has a good farm, some high class prize winning birds and he is a good man to deal with. Write and get his prices. Address Chas. Myers, Carrollton, Ill.

Eggs In Abundance—All Winter!

The weather is colder. Your hens are eating their heads off. You're lucky if you get one egg per hen a week. You can't stand this state of affairs—you must remedy it. If you don't your hens will cost you money instead of bringing in big profits.

There's no earthly reason why they should not earn you big money, if you go at it right. The feed is the whole secret. What's the best feed? Why, fresh cut bone! Your hens will simply have to lay if you feed them this.

What's the cost? Why, it's the cheapest feed you could buy. A piece of raw bone the size of a turnip will feed 10 to 20 hens. Cost to you, at the most, 2 or 3 cents—in many cases, nothing.

How can I prepare the bone? The Humphrey Green Bone Cutter is the one best thing. We've tested it and found that it beats all.

How can I get it? Write the makers, Humphrey & Sons, White St. Factory, Joliet, Illinois. They publish a free book, "The Golden Egg," brimful of valuable, practical information of vital interest to every poultryman. Tells you all about right feeding—how to make your hens deliver the goods—how to feed hens for profit, not loss. It would pay every poultryman to write them at once.

How You Lose By Saving.

You lose at least $3.00 in egg production every time you try to set a dozen hens instead of hatching those eggs in an incubator. The average hen under ordinarily good management should produce 15 eggs in the 21 days of the hatching period. Thus, 12 hens should produce 180 eggs, which, at 20c a dozen, are worth $3.00. The hens will not lay while they are setting, of course, and yet the egg production is one of the most profitable divisions of poultry raising. The hens will have to run around and mother their chickens for a month more, which would run the cost even higher than $3.00 when eggs are priced at the very conservative estimate of 20c a dozen.

The above is one of the comparisons brought out by a writer in a booklet—"Turning Eggs Into Chickens Into Dollars"—issued by the Rayo Incubator Co., 1012 So. 13th St., Omaha, Nebr. This booklet also tells how the Rayo Incubators will do the same work as the 12 hens at a cost of one gallon of oil, and thus save that $3.00 worth of eggs. The booklet and sample of the only hatching chart in the world will be sent postpaid upon request to all who ask for it.

Winning With Buff Orpingtons.

F. A. Poertner of Berea, Ohio, showing his Wingold Buff Orpingtons at the recent Buffalo show, captured second, third and fourth cock, first, second and third hen, first, second and fourth cockerel, first, second and third pullet, first and second pen, cup for best display of Buff Orpingtons, cup for most points on pens in English class, and cash special for best display in English class. Making only two entries in Buff Wyandottes, he took first and second cock. A nice record this, and coming right on top of his Cleveland record, where he won first and four cock, first and third hen, second, third and fourth cockerel, first, second and fourth pullet, first and third old pen, second young pen, silver cup for best Buff Orpington display and cash special and silver trophy for best display of Orpingtons. Be sure to write him for his mating list. Address F. A. Poertner, Box A, Berea, Ohio.

Live Up to Your Word.

We have written article after article on the man who takes your order, accepts your money, and then fails to deliver the goods. Well, there are really not so many of them that fail altogether to fill your order, but there are a number of them who make you wait three weeks to two months and then often send you inferior stock, or at least not what they advertised.

When a man tells you to come to his farm and stay a week if you want to, inspect his methods from yard to nest, and if you see one single item that does not spell quality, he will pay all of your expenses, he surely must be breeding winning stock. Not content with this offer, he goes further and makes the astounding announcement that he is placing his advertising in the American Poultry Journal with one goal in view, "give my buyers what two-thirds of the breeders do not give, and that is, absolute satisfaction." How many of our readers belong to this class, and how many have and are going to get into this other class, "absolute satisfaction"? It is bound to bring unbounded success, and mark these words, this advertiser, L. W. Maxson, originator and breeder of Eastern Star strain S. C. Rhode Island Reds, will be heard from in the form of not being able to handle his rush of orders. Just look up his advertisement in this issue, then write him. The address is Scranton, Pa.

A Most Enviable Record.

The largest and finest class of S. C. Rhode Island Reds that have ever been shown to the public at a national show were seen at the Chicago Coliseum. Among the many exhibitors was the well-known breeder, F. E. Harrison. Funny thing about Mr. Harrison. Whenever he leaves home to show in Chicago the townspeople all come to the depot to bid him good-bye. As the train pulls out they all holler, "Be sure to bring some blue ribbons back!" Well, Fred always remembers, as is evidenced by him taking 1st and 4th cock, 2d and 5th hen, 1st and 5th cockerel, 1st, 2d, 3d and 4th pullet, 1st and 3d old pen, 1st and 5th young pen, special prize for best display, special for best colored male, special for best shaped male, special for best colored pen, special for best shaped female, special for best colored female and the Western championship cup for best display given by the Red Club of America. Some record say we. No wonder the people of Menominee look forward to his homecoming, waiting to see

THE RAVEN'S ROSE COMB REDS

have won at the world's greatest shows, including Hagerstown, Md., Oklahoma State Fair, Cleveland, Ohio, Buffalo, N. Y., and Youngstown, Ohio. Exhibition and breeding stock sold on approval.

M. C. De LOOF -:- BOX 171 -:- WILLOUGHBY, OHIO

ROSE COMB BLACK MINORCAS

Just made another great win at the **Coliseum, Chicago Show**, winning 1st Cockerel, 1st Pullet, 2nd Hen and 5th Cock on 5 single entries. This winning with our winning of 1st Cockerel at Madison Square Garden and 1st Cockerel, 1st Pullet and 5th Hen at the Club Show, Boston, last season, proves we have the quality. Let me know your wants in show birds and breeders. **H. A. Keister, Bangor, Mich.**



Responsible, Reliable, Reasonable Exclusive Breeder of High Class

Single Comb Black Minorcas

Acknowledged the greatest of all large white egg producers. Am offering show birds that will win anywhere. Pairs, trios and pens that will start you on a paying basis, and Cock birds and Cockerels that will improve any flock, shipped on approval, at special introductory prices.

This season's matings contain exceptionally large, long birds, mated for egg and exhibition quality production. Am booking orders for "**Eggs that will hatch**" now.

State your exact requirements. Our experience and catalogue is free.

CHARLES G. PAPE Box B74 FORT WAYNE, INDIANA

URBAN FARMS

PINE RIDGE BUFFALO, N. Y.

PRIZE WINNING

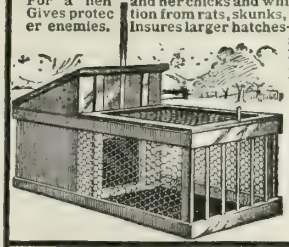
Black Langshans	Houdans	Black Tailed White Japanese Bantams
White Plymouth Rocks	Silver Campines	
Anconas	Mottled Javas	Mille Fleurs

MATING LIST FOR 1914 ON APPLICATION

Hodgson Portable Poultry Houses

WIGWARM Setting and Brood Coop

For a hen and her chicks and while she is sitting. Gives protection from rats, skunks, hawks and other enemies. Insures larger hatches—has proved its success for 22 years. Shipped knocked down—size, 2x4 ft., 2 ft. high.



$3.00

No. 0 Colony Laying House—for 12 Hens

Fitted complete with nests, fountain and feed trough. Sanitary—easily cleaned. One man can easily care for several hundred birds. Nicely painted—set up in 15 minutes. A comfortable year-round house. In stormy weather the run may be covered, giving a protected scratching room. Size, 10x4 ft., 5 ft. high.

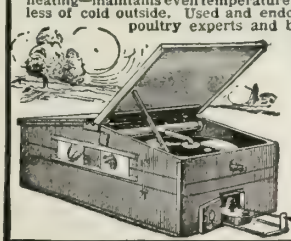


$20.00

TRADE MARK WIGWARM

WIGWARM Brooder

Hot-water and hot-air heating combined gives perfect ventilation—no danger of overheating—maintains even temperature regardless of cold outside. Used and endorsed by poultry experts and by experiment stations and such men as Dr. A. A. Brigham, Dr. N. W. Sanborn, Dr. P. T. Woods and Mr. A. F. Hunter. Size, 3x5 feet.



$15.00

Catalog Free

Five-Section Poultry House—10x50 ft.

Sanitary, durable, up-to-date—made of red cedar, clapboarded outside, interior sheathed. Made in 10 ft. sections, each fitted with roosts, nests and fountain. Open fronts, with canvas-covered frames. You can add sections at any time. Easily erected. First section, $75.00; additional sections, $60.00 each.



E. F. Hodgson Co. Visit our showrooms { Room 332, 116 Washington St., Boston, Mass. / Craftsman Bldg., 6 East 39th St., New York } Address all correspondence to Boston

his long list of prizes. If you write Mr. Harrison at Box 30, Menominee, Mich., he will tell you all about his prize cockerel, the bird that won first prize and championship in a class of 106 cockerels. He tells you how he raised that bird from an egg to a blue ribbon winner.

———o———

Early Hatches Most Profitable.

A great many people don't like to trust their luck by setting incubators in the winter months, such as February. Doubtless everyone who has followed poultry raising closely who has studied conditions carefully will certainly admit that early hatches when at all successful are the most profitable. It stands to reason that the pullets that are hatched early will begin to lay in the Fall, and the early cockerels will bring the best price in the spring for broilers, but no doubt this fear regarding very early hatches is based on a good deal of disappointing experience which people have suffered in the way of being unable to keep the proper temperature in the machine during the real cold spells. There is too much advantage, however, in the early hatches to let one unfavorable experience guide one in future seasons. It is simply a question of getting the right incubator. For something over fifteen years I have preached early hatching and the tremendous advantages over the waiting for the weather to moderate to set out the incubator. In my judgment the incubator that cannot hatch chicks when chicks are most wanted and most profitable should not be trusted with eggs at any time. The early hatched pullet is the one who comes to maturity in the Fall before the cold weather and begins to lay and make money for you, and the cockerels that have been hatched early gain flesh early in the Spring before the market is well supplied, thereby allowing you a ready sale. We have built our incubator, THE OLD TRUSTY, of such material and so substantially and with cement walls and a big enough heating system to enable the operator to keep the temperature at the right degree in any weather without the use of much oil. If you are going to raise chickens get all there is out of it, and this can only be done by raising chicks right straight through the cold weather. We have always handled the chicken and incubator business on the basis that it is a straight dollars and cents proposition to all of us, and the lowest price that a machine can be built for to work and give results is the right price to get and to pay. We have put every dollar into this machine that is necessary to get the actual hatching results. It is hard to talk along these lines in the limited space, but if you will write me I will be glad to send you a copy of my 1914 Old Trusty Book. It is a catalog giving the experience of the Johnson family in poultry raising and incubator and brooder making. Address H. H. Johnson, Clay Center, Neb.

———o———

A Wonderful Farm.

Up at Orchard Lake, Mich., you will find without question the finest poultry farm in the country. Nature did much for this farm and what she forgot was made up through the artistic taste of the owner, Mr. Flanders. The buildings themselves mean a good sized fortune, not to count the beautiful home of Mr. Flanders and the very attractive bungalow of the manager, Mr. Parmenter. The farm consists of some twelve hundred acres located in the most picturesque part of the state, where lakes abound and nature seems to have outdone herself. It is about eight miles from Pontiac and about three miles from the Orchard Lake station of the Grand Trunk railroad. But to those who wish to visit this beautiful farm, we suggest that you take the electric car at Detroit or Pontiac, get off at Polish Seminary and telephone to the farm, they will immediately send an automobile to meet you. All of the poultry buildings are across the lake from the residence, and sixteen acres of apple orchard is given over to a range for brooders, chicks and colony houses. The Candee system incubators and brooders are used, the capacity being eighteen thousand, and there are two double brooder houses fitted with ninety-six hovers. No expense has been spared to make this farm the finest and best arranged poultry farm in the country; it must be seen to be fully appreciated. Although a man of Mr. Flanders' wealth can pursue any pleasure under the sun, his Single Comb White Leghorns are his delight and he spends all of his spare time among them. When Mr. Flanders first started he was fortunate enough to secure the entire stock of that well known breeder, Robert D. Parmenter, including all the famous winners, and along with that, the expert services of Mr. Parmenter himself. Among the breeding pens of this great farm you will find the first Chicago hen of 1912, first cock, Indianapolis, 1912; second cock, Chicago, 1911; Bob the First, the foundation sire of the Flanders-Parmenter strain, valued at a thousand dollars and who scored ninety-five and a half points at the age of five years and as young now as he was four years ago. Then there is second cockerel, Chicago, 1912; Perfection, first prize pen cockerel, Illinois State Fair, 1911; Dorothy, first hen, Chicago, 1908, valued at five hundred dollars, and many others. The grand clean up at the late Chicago Coliseum was a record breaker, first, third, fourth and fifth cock, first and third hen, 1st, third and fourth cockerel, first old and first young pen, special for best shaped male, special for best color male, $50 cup for best display, $10 gold special for best display, Swiss gold watch for best exhibit and sweepstakes. You will make no mistake by introducing the Flanders strain into your flock; you will find them layers of big white eggs. Referring again to the buildings, while I was there they were building a large cockerel house, which is now completed; the capacity is five hundred. There are also one hundred and twenty colony houses, each one holding a hundred chicks. They are mating fifty pens for the season's trade, each pen being headed by high class prize winners. Look up the page advertisement of Flanders' S. C. White Leghorns and write for price list. Address Flanders' Leghorn Farm, Orchard Lake, Michigan.—H. H. Coburn.

ZIMMERMAN'S R. C. REDS

Prize winners at Cleveland. Exhibition and breeding stock for sale. Satisfaction guaranteed or money refunded. When writing mention American Poultry Journal. Address

W. F. Zimmerman ∴ Willoughby, Ohio

CHERRY REDS are Winners at Cleveland, O., December, 1913

In the hottest competition and classiest exhibition of **REDS** ever shown in Cleveland, we won 2d pen, 3rd Cock. A few choice cockerels to offer at the right price. Drop us a card.

ERNST F. BIRKHOLZ, —: SINGLE COMB R. I. REDS, -:- WILLOUGHBY, OHIO.

Rose Comb Black Minorcas Made a Clean Sweep

at the Illinois State Fair, 1913, **winning 1st, 2nd, 3rd and 4th cockerel, 1st, 2nd, 3rd and 4th pullet.** No old stock exhibited. I can furnish you winners for any show. Write your wants and get my prices. **J. S. BALES, :: SPRINGFIELD, ILLINOIS**

STAFFORDDALE FARM, PLYMOUTH, MASS.

Where Morrison's S. C. Reds are bred. Do you want **Real R. I. Reds** that will **win**; that fill the bill with **type, color** and **size**? Will give grand bargains in eggs for 1914, that will hatch, and hatch winners for the big shows. Won at Kingston, December, 1912, 2-5 cock, 1-4 hen, 4 cockerel, 4-5 pullet, 2 pen; Lawrence, December, 1913, 1-2 hen, 2 specials, silver cup for best exhibit—both combs competing in the keenest of keen competition. **J. L. MORRISON.**

Billings' R. I. Reds, Both Combs

I wish to say to the public that I am this season better prepared than ever to furnish winners for the coming fall and winter shows. They have the shape, color, markings and head gear that appeals to the most careful breeder. Also have good breeders at $3.00 to $5.00 each. Utility stock $1.00 each. Satisfaction guaranteed. Mention American Poultry Journal.

B. M. BILLINGS, Box A, Oberlin, Ohio

CHICKS AND EGGS

Holtzapple's S. C. REDS

Have won at Cleveland, Columbus, Toledo and Ft. Wayne. Orders booked for Spring delivery of chicks. Send for catalogue.

OSCAR HOLTZAPPLE, Box 48, Elida, Ohio

PATENTS THAT PROTECT AND PAY

Send for FREE 96-page book Advice free. Terms reasonable. Highest references. Best results. Send sketch or model for FREE search. Recommended Patent Lawyer in the Banker's Register **and special list of selected lawyers.** Also in Martindale's Law Directory, Sharp & Alleman's Directory of Lawyers The Gast-Paul Directory of Lawyers, and Kime's International Law Directory.

ALL BUSINESS GIVEN PROMPT AND PROPER ATTENTION

Large List of Inventions Wanted, FREE.

A large list of strong recommendations furnished free.

Watson E. Coleman, Patent Lawyer, 622 F St., N. W., Washington, D. C.

Mary Elizabeth Poultry Farm White Orpingtons

Have Won in FIVE of the Leading Shows This Season.

At the **Great COLISEUM SHOW, Chicago, 1st Hen and 4th Pullet on Three Entries.**

At Illinois State Fair.
1st pullet and 2d pen.

At Quincy, Ill.
1st cock; 1st, 2nd and 3rd cockerel; 1st and 3rd pullet; 1st and 3rd hen; 1st pen and Grand Champion pen of the entire show—2150 birds in competition.

At Peoria, Ill.
1st cockerel; 2nd cock; 3rd and 4th hens; 4th and 5th pullet.

At Alton, Ill.
1st cockerel; 1st pen; 2nd and 3rd cock; 2nd and 3rd hen. **Champion Male.**

Mary Elizabeth Poultry Farm, -:- Monticello, Ill.

Longfield Poultry Farm.

Just outside of Bluffton, Ind., is the home of Longfield Poultry Farm, which is owned by D. K. Williamson. It contains about seventy-five acres, all of which is devoted to the raising of Rose Comb Rhode Island Reds. It is now eleven years since Mr. Williamson started to raising these birds and today he stands as one of the oldest Red breeders in the country. His breeding pens are composed of the very darkest reds to be found anywhere, and have always been great winners. His greatest winning was the big Chicago show of 1911, when in a class of four hundred and thirty-one Reds he captured four first prizes. In the past seven years the Longfield Reds have captured close to four hundred regular and special prizes, to say nothing of customers' winnings. Mr. Williamson is very careful about having everything just right; he ships nothing but strictly fresh eggs and guarantees them. He packs them in patent egg boxes and the boxes are repacked in baskets. He will treat you right and he certainly has the goods. Write to him for prices. His address is D. K. Williamson, Bluffton, Ind.—H. H. Coburn.

43 Prizes.

Winning forty-three prizes at some of the best shows in the country is the season's record of Mrs. Reginald Stonestreet, of Nashville, Tenn. With her S. C. White Orpingtons she took prizes at Indianapolis, Cincinnati, Washington, Nashville, Memphis and Little Rock, and the list of prizes included fourteen blue ribbons, twelve specials and six silver cups. With this great record she is flooded with egg orders, but can still handle a few more, as 65 per cent of her pens are laying. She is equipped for a large brood of chicks, but only expects to raise about one thousand, preferring this small number so as to give them more attention and make them blue ribbon winners. If you want baby chicks be sure to place your orders early. She will be pleased to quote you prices. Address Mrs. Reginald Stonestreet, Nashville, Tenn.

A Buff Orpington Specialty Farm.

About twenty-six miles from New York City, out at South Plainfield, N. J., is located one of the best specialty poultry farms in the country.

This great breeding establishment, the Sunswick Poultry Farm, has specialized on Buff Orpingtons for years, and Rufus Delafield, the owner, has a string of winnings captured at the big shows of which any breeder has just cause to be proud.

At Sunswick Poultry Farm they are color specialists and have devoted their entire time to perfecting this one breed—S. C. Buff Orpingtons. Their birds are marked by fine individual characteristics which have been handed down from one generation to another by most careful selection and line-breeding. The color of Sunswick Farm Orpingtons is simply wonderful, the soft, even shade of buff being the rule throughout their entire flock.

At Sunswick Poultry Farm they have increased their facilities and equipment since last season and are in fine shape to ship promptly all orders of eggs for hatching, day-old chicks and breeding stock. They issue a beautiful catalog and have also just published their 1914 mating list, which will be mailed free to anyone interested in poultry, either for exhibition purposes or for table and egg fowls. Sunswick Farm Orpingtons are large in size and their flesh is delicious. They are exceptionally heavy layers and of quiet dispositions, making an ideal general purpose fowl.

Quality Stock.

Breeding to produce the right type, color and size, so that they would be declared winners wherever shown, P. J. Olle of Racine, Wis., has won success with his White and Partridge Plymouth Rocks. At the Chicago Jan., 1914, show his White Rocks won first, second, third and fifth cockerel, first and fifth hen, first, third and cocks, second cockerel, first and fifth hen, first, third and fifth pullet and silver cup for best display. He also exhibited his Partridge Rocks, winning first and second cock, first and second cockerel, first and second hen, first, second and third pullet, first and second pen and silver cup for best display. He makes a specialty of supplying show and breeding birds, so write for his price list. Address P. J. Olle, R. 4, Box 111A, Racine, Wis.

Payne Bros.

One of the oldest and best breeder firms in the country, they have been raising Rose Comb Rhode Island Reds exclusively for so many years that almost everyone in the country knows their variety. Yet we in our last issue made the error of Single Comb Reds in their advertisement. They raise nothing but Rose Comb Rhode Island Reds, devoting their entire time and attention to doing but one thing, and that is breeding high-class birds. At the recent meet of the Rhode Island Red Club of America, held at New Haven, Conn., they won first and second hen, second and seventh cocks, fourth and sixth pullets, fifth cockerel, second, fourth, fifth and seventh pen and the state cup of the Rhode Island Red Club. They have a new catalog just off the press; write for it. Address Payne Bros., Box J, Portland, Conn.

Live and Let Live Prices.

Well, that is a mighty good slogan. It should and no doubt will bring many new customers and retain the old ones. This is the rule, together with a guarantee of safe delivery on all "day-old chicks" that Mrs. Alice M. Rawson, the well-known breeder of Big Rock, Ill., has adopted. In this issue you will find Mrs. Rawson's ad calling attention to her Silver Campine cockerel, which won second prize at the Chicago Coliseum Show, besides the Chicago ribbons. Mrs. Rawson recently won 2nd pullet, 2nd cock, 2nd and 3rd hen and 3rd pen at the Aurora, Ill., show. Mrs. Rawson guarantees a square deal to every one, no matter if you buy breeding stock, eggs or day-old chicks. Be sure to write to her for prices.



FIVE FULL SIZE PACKAGES, marvelous and striking varieties. Gigantic in size, richest and unique colors.

PANSIES

SEND 10 CENTS to help pay postage and packing and receive this big Introductory Collection of Pansies; guaranteed to please, and our handsome Seed and Plant guide. To help you grow the biggest and finest flowers we will mail you our Pansy booklet **FREE** Mention this paper. Send to-day. Don't wait.

GREAT NORTHERN SEED CO., 2303 Rose St., Rockford, Illinois

Chamberlain's Setting Hen

$5.75 Incubator and Brooder — Freight Paid East Rocky Mountains — Holds 26 Eggs — A Complete Incubator — Easy to Operate — You can always get fresh eggs enough to fill it.

The Baby Incubator



$5.75 Incubator and Brooder — Equals Two Hens. Always Ready to Set — Never leaves her nest. No Lice. No broken eggs.

Chamberlain's Perfect Chick Feed



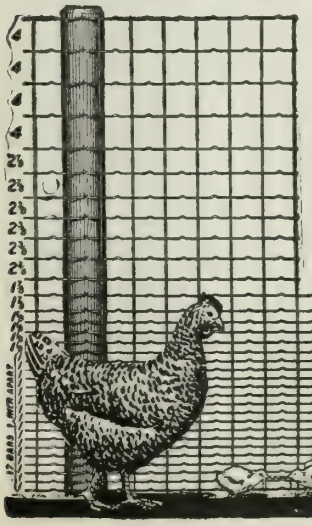
Has no Equal. No Corn. No Bowel Trouble. The Only Original Dry Chick Feed and the World's Standard.

"Lady Showyou," winner of the National Egg laying Contest at Mountain Grove, Mo., with a record of 82 eggs in 82 days, and 281 in a year and recently sold for $800, was raised on Chamberlain's Perfect Chick Feed.

We have agents all over the U. S., but if our agent is not near you we will deliver 100 lb. sack freight paid to your railroad station for $3

W. F. Chamberlain Feed & Incubator Co.
107-109 Olive St. Desk 5 St Louis, Mo.

"PITTSBURGH PERFECT" Chicken & Rabbit Fence



Note the close spacing of the line wires. This is the one style of fencing that actually keeps your smallest chickens within bounds, and affords them absolute protection from prowling, destructive animals.

Made of large, special-formula Open Hearth wire, thoroughly galvanized with pure zinc, and

WELDED BY ELECTRICITY

wherever one wire comes in contact with another. Inseparable joints are thus formed, making a rigid, *one-piece fabric*, requiring fewer posts. Easily erected. No top and bottom boards necessary. Outlasts other chicken fences by *years*. Because of its great strength, utility and durable effectiveness, it is at once the cheapest and best chicken fence you can buy.

EVERY ROD GUARANTEED

Write for new catalogue describing this and other styles made for every FIELD, FARM, RANCH, LAWN and POULTRY and GARDEN purpose. **SOLD BY DEALERS EVERYWHERE.**

PITTSBURGH STEEL CO., PITTSBURGH, PA.

Makers of "PITTSBURGH PERFECT" Brands of Barbed Wire; Smooth Wire; Hard Spring Coil Wire; Twisted Cable Wire; Telephone Wire; Bale Ties; Fence Staples; Poultry Netting Staples; Regular and Galvanized Wire Nails; Large Head Roofing Nails; "PITTSBURGH PERFECT" Fencing.



A Nice Piece of Work.

We are in receipt of a handsome catalog from the Aldrich Poultry Farms, which gives their mating list for 1914. A well-gotten-up book, neat in appearance from the front cover to the back page. Gives their list of winners and tells you just what you get when you order from them. It was the Aldrich White Orpingtons that won thirteen prizes and the special for best display at the recent Madison Square Garden show—a wonderful record, when you consider that they only entered seventeen birds. Their prices are reasonable—you know what the Aldrich strain is—so it will pay you to write for this mating list. Address Aldrich Poultry Farm, Columbus, Ohio.

A Visit to a Certain Mr. Oakes.

J. WILLARD BOLTE.

Down in Tipton, Ind., lives a man named Oakes, who has had more to do with the success of artificial incubating and brooding than any other man now active in business, yet you never heard of the Oakes Incubator or Brooder, did you? Neither did he, for he never sold one. But he has made the heating and regulating devices for something like half of all the incubators that have ever been sold. He has seen the rise of the poultry business, and says no man will see it fall. When his company was formed 21 years ago the machines of today were not even dreams, and the Oakes Mfg. Co. has outlived the business life of every incubator manufacturer then in business save Geo. Stahl. The reason for Oakes' 21 years of steady and increasing business is the fact that he makes the best goods that can be made. The corrugated wafer heat regulator was invented by him and is now used on dozens of different kinds of machines. His safety lamp burners are the only ones that absolutely stop the gas from forcing back into the tank of the lamp. A large factory turning out the very best in the way of incubators and brooders, we sugest that you learn more about the great Oakes line of poultry house equipment. Send for a free copy of Mr. Oakes' book; it is interesting and will save you money. His address is L. R. Oakes, care of Oakes Mfg. Co., Tipton, Ind.

Fertile Eggs.

More than two-thirds of your hatching success depends upon the fertility of the eggs you buy. To have the greatest amount of success you must select eggs from birds specially bred for generations. In that state where they must be shown, "Missouri," there is a little city called Pacific. That is the home of the Yesterlaid egg, where there is a great big farm devoted exclusively to the raising of Yesterlaid Range Raised Laying Leghorns. These birds have been bred to become heavy winter layers, and they lay eggs that are 95 per cent fertile. They are large, dead-white, and uniform in size, caused by the careful method of selecting, mating and feeding. Chicks hatch from Yesterlaid eggs like popping corn, and their statement of 95 per cent fertility is borne out by the statements of thousands of their regular customers, including seventeen experiment stations. Some of the greatest prize winning birds in the country came from Yesterlaid eggs. Get the correct results—use good eggs. Write for their prices today. Address Yesterlaid Egg Company, Dept. 5, Pacific, Mo.

The Oldest Flock In America.

That is what J. Quincy Dawson of Coshocton, Ohio, has in his S. C. Buff Leghorns. He has been breeding them for twenty-three years, so the quality must be right. For nine years he has been breeding the same strain of Columbian Rocks. His ad appears in this issue; read it, then write him for prices. Address J. Quincy Dawson, Dept. A, Coshocton, Ohio.

Breeding Buffs.

Devoting his time and attention to the raising of Single Comb Buff Leghorns, Mr. F. S. Smith, of Hamilton, Ohio, can point with pride to being the largest exclusive breeder of Buffs in the world. He had winners at thirteen of the biggest shows, and if in the market for grand layers or show birds, be sure to write him for his catalog. The prices will interest you. Address F. S. Smith, Box C & D, Hamilton, O.



First White Rock Hen Madison Sq. Garden--Jan. 1913

The Big Prize at the Garden in White Rocks is 1st Cockerel

RANCOCAS POULTRY FARMS won this prize. In fact, we have not been beaten on cockerels this season, winning first and second cockerels at New York State Fair, first and second at New Jersey State Fair, first and second at Palace Show, New York City, and then the grand prize of the year—first cockerel at the Garden.

Our females also have won many prizes. Write for our complete winnings, prices of stock and hatching eggs.

RANCOCAS POULTRY FARMS

Box 512 **Browns Mills, N. J.**

Barred Plymouth Rocks

Winners at Chicago—Indianapolis—Memphis—Louisville—Shelbyville

Indiana State Fair, Indianapolis, Ind., September, 1912, 1st Pullet, 1st Pen, 2nd Cock, 3rd Cockerel, 3rd Cock, 3rd Pullet. **Tri-State Fair,** Memphis, Tenn., September, 1912, 1st Cockerel, 3rd Pullet, 5th Cockerel, 5th Pen. **Louisville Poultry Show,** Louisville, Ky., December, 1912, 3 Firsts, 2 Seconds, 4 Thirds, 1 Fourth, 2 Fifths. Special for the Best Shaped Female. Two Silver Cups for Best Barred Plymouth Rocks. **Shelbyville Fair,** Shelbyville, Ky., September, 1912, 1st Cockerel, 1st Pen, 2nd Pullet, 2nd Cock. **Chicago Poultry Show,** Chicago, Ill., December, 1912, 4th Pullet Bred Cockerel.

Get our wonderful list of winnings, proving the superiority of our Rocks.

COCKERELS—$3.50, $5.00, $7.50; PULLETS—$2.50, $3.00, $3.50

EXHIBITION BIRDS—$15.00, $20.00, $25.00

Eggs and baby chicks from best exhibition and breeding stock

We have on hand over 1900 early hatched stock, all raised

Direct from Our Premium and Pedigree Pens

bred to perfection in color and barring—and we can furnish you birds that you cannot get elsewhere at three or four times the price we ask.

We furnish, perhaps, *more winning exhibition birds to our customers* than any breeders in America. Our moderate, honest prices secure us all the business we can take care of, and our fine, large, magnificently barred birds, absolutely guaranteed, *carry off the blue for those who buy them.*

Send us your order for any exhibition or breeding birds you may need. We are old reliable breeders, *are Specialists in Barred Rocks,* have bred them successfully for 22 long years, and with our unequalled facilities for hatching and raising our birds WE ARE ENABLED TO GIVE YOU SELECTION NO SMALL BREEDER CAN POSSIBLY GIVE. You will make a great mistake if you place order before getting our prices and literature. Send for catalogue No. 3.

POPE & POPE **Box A** **Louisville, Kentucky**



A Chicago Winner, Dec. 1912

Some Winners.

We wish to call our readers' attention to the advertisement of George A. Kersten, who at the late Minneapolis show exhibited his Columbian Wyandottes in competition with the Chicago winners, taking three firsts, one second, one fourth, and one fifth. For the past three years he has been winning prizes at Chicago, Minneapolis and St. Paul shows. His prices are reasonable; write to him. Address, George A. Kersten, West 52d Street Station, Minneapolis, Minn.

Four Shows, Forty-Seven Prizes.

Going some, but that is the record of Mr. and Mrs. P. A. Demgar, of Brown Station, N. Y., for the season. Showing their S. C. White Orpingtons at New York State Fair, Jersey City and Albany, they have captured thirteen firsts, ten seconds, seven thirds six fourths, two fifths, eight specials and a silver cup. A very good showing and one that they can justly feel proud of. They are making special prices on some high class birds, as you will see by their ad in this issue. Be sure to write them. Address Box A, Brown Station, N. Y.

Twenty-Nine Out of Thirty.

That's the record of the prizes that Brinkley's White Rocks took at the Memphis, Tenn., show. They also took four of the five firsts at both Little Rock, Ark., and Jackson, Miss. A record to make you hold up your head, and that is what W. J. Brinkley, the owner, and J. H. Sledd, his superintendent, are doing. Brinkley's birds are called the "best in the South," and as this is egg buying season we suggest that you read their ad and then write them. Address W. J. Brinkley, Box A, Iuka, Miss.

Shipping Time For Day Old Chicks.

It is almost time for the shipping of day-old chicks—something that needs the utmost care, for your future orders depend upon you shipping them in the right kind of a box, so that they arrive at their destination alive and healthy. The Rippley Mfg. Co., of Grafton, Ill., make a specialty of day-old chick boxes, as well as egg boxes, and the thousands of satisfied customers that buy from them year after year is proof positive of their high-class goods.

Cole's Buff Rocks.

About fifteen years ago Frank Cole of Van Wert, Ohio, started to specialize in Buff Plymouth Rocks. Today he is one of the largest breeders in the country and his flock is noted for its uniform color. To fully appreciate this you must see his flocks at home, for some of his best birds never see the shows. Some of his winnings are from such shows as Missouri state, held in St. Louis; Springfield, Ill.; Chicago, Detroit and Cleveland. At the Cleveland show he won third cockerel and third, fourth and fifth cock, at Chicago Coliseum first and fourth cockerel, third hen, first pullet, first young pen, best display and the club's central district cup. His matings include all of these winners together with many others. See his ad in this issue and write for prices. —H. H. Coburn.

U. R. FISHEL'S AD in this issue will interest you. Read it.

WILBURTHA

—New York Palace Show Winners

Columbian Wyandottes, Leghorns and R. I. Reds.

At the Great Palace, New York, Show we win **First and Special Best Display in Columbian Wyandottes,** Cock 5, Hen 5, Cockerel 1-4, Pullet 5, Pen 2nd. **At Red Bank** win all **Five First Prizes** in **S. C. Buff Leghorns** and **Three Seconds.** Also winners at **Hagerstown** and **Allentown,** where we won **First Prize** on S. C. White Leghorn Cock, etc,

Day-Old Chicks, Eggs for Hatching and Stock For Sale.
Write us your wants. Absolute satisfaction assured.

WILBURTHA POULTRY FARMS, BOX A, TRENTON JCT., NEW JERSEY
C. J. FISK, Owner. W. D. CAMPBELL, Supt.



Poultrymen have confidence in the Globe Incubator because all the value—all the invested money—is put into the machine itself. Send 15c for our valuable descriptive book.

It Is Well Worth While to Consider "the Man Behind"

Before placing your order for an incubator or brooder, it will pay you to get acquainted with the manufacturer. Make sure that you can place your entire confidence in him and his machines. There are too many "dry goods boxes" with cheap tin heating arrangements sold now days for incubators and they are made by people who know very little about the chicken business, artificial incubation and its requirements. They are sold exclusively by "Hurrah advertising" and the manufacturer doesn't care if he ever hears from the customer again.

The Globe Incubators and Brooders

are the best machines on the market and we can prove it.

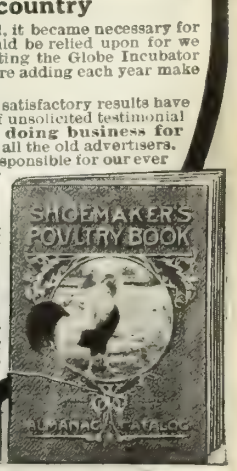
The most modern machinery and the most skillful workmen that can be found enter into the construction of the Globe Incubator and Brooder, and no machines leave the factory until they pass the most rigid examination, and the great hatches which our customers obtain are the results of our twenty-five years of experience in breeding thoroughbred poultry and making incubators and brooders.

We sell more thoroughbred chickens than any two of the leading advertisers in this country

In order to raise this great number of fowls which we annually sell, it became necessary for us to invent our own machine, one that would do the work and could be relied upon for we had tried all the leading machines manufactured before inventing the Globe Incubator and Brooder. The remarkable improvements which we are adding each year make the Globe the best artificial hatcher on the market today.

WE HAVE SOLD THOUSANDS OF THEM. Such satisfactory results have been obtained from our machines that we have thousands of unsolicited testimonial letters on file open for your inspection. **We have been doing business for over a quarter of a century** and have outlived nearly all the old advertisers.

Square dealing and satisfaction to the buyer have been responsible for our ever increasing trade. We want to tell you more about our great factory, our mammoth poultry plant, and our methods of doing business. We have just issued our annual poultry book and guide which has cost us thousands of dollars to produce. It is not a catalog exclusively, but as a text book on poultry breeding in all its branches it is superior to any book issued. It tells about our great poultry farm where we raise and handle thousands of high-grade birds that go to every part of the world each year. But come for yourself and see—we have the goods. Write to any bank or express company in Freeport and they will verify every statement which we have made here. Be sure and send for this book today. Send 15c to cover postage, etc., and if you think that the information on poultry keeping alone, in the book is not worth the money we will cheerfully refund it to you.

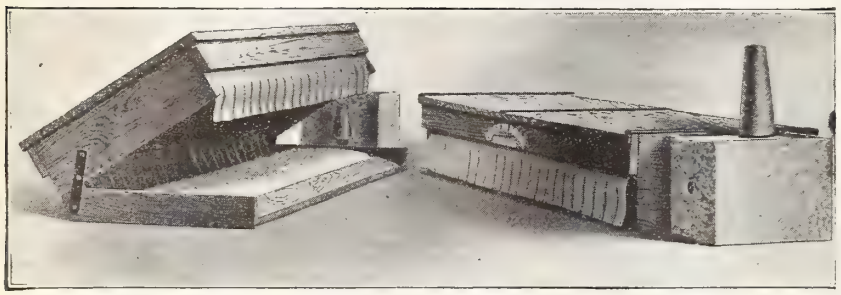


C. C. SHOEMAKER
FREEPORT Box 605 ILLINOIS

Don't Forget—The above is the only Incubator manufactured in Freeport, Ill. at the present time.

Close to Nature.

This is a picture of the Close-To-Nature Open Air Hover. It shows one side closed, the other open for cleaning out, airing, etc. A decided diversion from the usual run of hover, inasmuch as the heater by induction process warms one end as equally as the other; the hovers are long and narrow, which enables them to care for large flocks of chicks without them crowding; then the roosting bed, made of chaff or earth, is slightly elevated, making it sanitary. With this contact heat retainer and elevated roosting bed it is impossible for the chicks to crowd or pile



up. The warming process, caused by the chicks backing up against the felt bottom of the thermal chamber, gives them the same warmth as the mother hen herself. The ventilation is open, giving them fresh —not hot—air, and the hover, roosting bed and chicks can be easily removed. It combines the fireless with the lamp, for the lamp can be used for very young chicks and then removed as the chicks grow older. Full particulars may be had by writing the Close-To-Nature Co., 38 Front St., Colfax, Iowa.

—o—

There is an old saying and a true one, "The man who never makes a mistake never does anything." In our last issue we gave Frank E. Hering credit for first prize on Silver Campine cock at the recent Chicago Coliseum. This is not correct. First prize cock was won by C. H. Dickinson and immediately sold to Gensemer Bros. of Creston, Ohio. We hasten to correct this error and now give credit where it was intended.

—o—

Barker of Thorntown.

M. S. Barker of Thorntown, Ind., is an acknowledged authority on Black Langshans. These birds are one of the old pure blooded breeds; its type is firmly fixed by generations of good breeding preceding its introduction in England some forty-odd years ago. They are very vigorous and grand layers, especially in the winter, and Mr. Barker predicts a great future for this class of fowl. His birds have been heavy winners since 1905, and he exhibits at some of the best shows in the country. At Madison Square Garden, 1912-13, he took several firsts; at Indianapolis he always wins, and he always takes ribbons from Boston, Pittsburgh, New Orleans, Hagerstown, Cincinnati, Cleveland, Los Angeles, Spokane and Kansas City. At the Chicago (January, 1914) show his Langshans took first, second, third and fourth cock, first and fourth hen, first, second and fifth cockerel, and first and third pullet. Mr. Barker's matings are composed of such blue bloods as these, and this year's mating surpasses all others. If interested in the Majestic Black Langshans, write for Mr. Barker's catalog. Address M. S. Barker, Thornton, Ind.—H. H. Coburn.

—o—

White Wyandottes.

One of America's largest White Wyandotte specialists is Sherman Bowden, of Mansfield, Ohio. His customers from coast to coast have been winning with these birds for years. They are the correct Wyandotte type—snow white, and the comb is the nearest to perfection of any birds I have ever seen. At the Cleveland, December, 1913, show, they won three of the possible five firsts, and at the Cleveland poultry breeders' state meet of 1914, with a class of sixteen breeders showing 109 birds they won first and second cock, first, second and third hen, second and third cockerel, first and second pullet, second pen and the club state championship cup. Mr. Bowden is putting out a handsome catalog, beautifully illustrated, giving description, prices and mating list. As I have handled his birds, I can recommend them.—H. H. Coburn.

—o—

At Show Time.

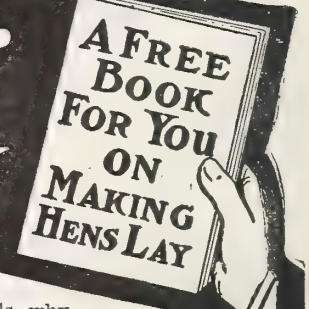
It always happens that the big shows are held just about the time we are going to press. We always try to give our readers news while it is news, and in this way we often have to rush our copy and mistakes sometimes occur. In the advertisement of Rosemont Farm which appears in our January issue, we quoted Mr. Elmer V. Shultz, the owner, as having won second pen on Brown Leghorns at the State Brown Leghorn Club meeting, held in Chicago. This is not correct and we acknowledge the error as our fault. The Rosemont Farm made three entries and they captured second pullet bred pen.

CARVER'S TWO BIG RED FARMS. Rhode Island Reds and Red Sussex, the two varieties raised on separate farms. P.O. Seville, Ohio

CAUTION Any Bone Cutter claiming to be Mann's without F. W. Mann Co. cast on its surface, is an imitation. If made in Milford, Mass., it is Genuine.

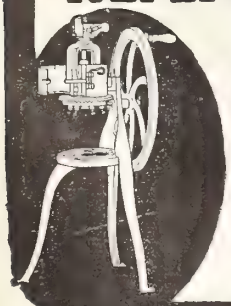


Make Your Hens Lay



Write today for our free poultry books and learn at once what it might take you, alone, years of costly experience to find out. You know how eager fowls are for bugs and worms. Our book tells why. Briefly, it's the animal food they want, and **must have,** in order to thrive best. Chicks, laying hens, cocks, all need it—to develop frame, muscle, feathers, to produce many eggs, to produce fertile eggs. To replace bugs and worms in winter, or, for yarded fowls, feed freshly cut raw bone, prepared with

MANN'S LATEST MODEL BONE CUTTER



Try One Free—No Money Down

This feed is four times richer in protein (the egg-making, body-building element), than corn is, and it is more easily digested and assimilated. **Save** money by cutting down your grain ration. **Make** money by getting more eggs when eggs are worth most and by having better eggs for hatching stronger chicks, earlier and heavier broilers.

Mann's Latest Model Bone Cutter cuts the bone (and all adhering meat and gristle) into a fine, soft mash that fowls of all ages relish and can put to immediate use in producing profit for you. It turns easily, cuts rapidly, never clogs, wastes nothing. We sell it on **10 Days' Free Trial,** without money or deposit in advance—so you may be sure it is right. We even pay its freight back if you are not satisfied.

WRITE FOR FREE BOOKS TODAY. To read them is to know how to feed poultry for most profit.

F. W. Mann Company, Box 56, Milford, Mass.

Illinois State Poultry Show

[Continued from page 340]

head and eye; snow white plumage; an easy winner. Second, narrow head and comb; good body and breast; tail in bad condition; eye color good. Third, good; well rounded type, but under size; strong red eye and yellow legs.

Cockerels.—First, nearly perfect in type; well rounded breast and body; fine back and beautifully spread tail; well balanced on good short legs; color perfect; shape special and champion male. Second, well balanced, well finished; snowy white in plumage; losing in shape of breast and color of shanks. Third, fine type; bad comb, losing in color. Fourth and fifth were where they belonged.

Hens.—First, well balanced on good short shanks; fine head and comb; red eye; a little flat in back and narrow in tail; snowy white in plumage; champion female. Second, long in back, pinched in tail, coarse in head, and showing too much length of body. Third, fourth and fifth well placed.

Pullets.—First, a trifle narrow in saddle; well balanced on good legs; well rounded breast and body, showing graceful, well rounded curves; well spread tail carried at the proper angle; neat head and comb and good eye; shape special. Second, long in type; narrow back, and showing too much tail; winning the place on color; also won color special. Second, short, blocky type; good breast and body; too much cushion; pinched in tail; good head and comb. Fourth, good, well rounded type; well spread tail; bad comb and feet; lost on color of ear lobes. Fifth, placed where it belonged.

Buff Wyandottes.

First cock, a little long in back, body and legs; pinched in tail; good comb, head and eye; golden buff color throughout, with strong undercolor. Second, uneven color in hackle, back and wing-bows; well balanced body, good back; bad legs and feet. Third and fourth were well placed.

Cockerels.—First, very neat in type and finish; a trifle long in back and lacking in width of saddle; comb rather coarse; color golden buff in all sections; won shape and color and champion male. Second, a good, well balanced bird; unfinished; showing good color all through; head and comb rather coarse. Third, good type, well balanced on good legs; bad comb; losing badly in color of wing-bows and breast.

Hens.—First, nice, well rounded Wyandotte type; good comb and head; well balanced on short legs; even color all through. Second, long in back; pinched in tail; good short shanks; neat head and eye. Third, good type, well balanced, well rounded; too strong in color.

Pullets.—First, very good in type; neat head and comb; even golden buff color, with strong undercolor; was shape, color and champion female. Second, well balanced, well rounded; good head, comb and eye; tail well spread, losing on surface color. Third, a beautiful golden buff in all sections, showing great promise, but losing on maturity. Fourth and fifth in the right place.

Partridge Wyandottes.

Cocks.—First, a grand bird; well balanced on perfect legs and feet; great depth and breadth of body and breast, with perfect back and tail; showing beautifully rounded lines in all sections; nice head and comb; striping in hackle and saddle perfect; wing near perfection; one of the best Wyandottes ever exhibited; won shape, color and champion male. Second, long in back and body; good head points; hackle and saddle fairly good; lost in undercolor.

Hens.—First, a beauty; nicely rounded body, good head and tail; perfect ground color and well penciled throughout; color, shape and champion female. Second, good type and carriage, losing in penciling.

Pullets.—First, beautifully rounded; neat head and comb; good hackle, well penciled. Others well placed.

Silver Penciled Wyandottes.

First cock, a beauty; trifle coarse in head; well balanced; well rounded, showing beautiful striping in hackle and saddle. First hen, good type and well penciled.

Columbian Wyandottes.

Cocks.—First, a clean, well placed specimen; a little long in back and body; clean color all through. Second, strong in color; splendid hackle; losing in type. Third, fourth and 5th losing badly in shape and color to first and second.

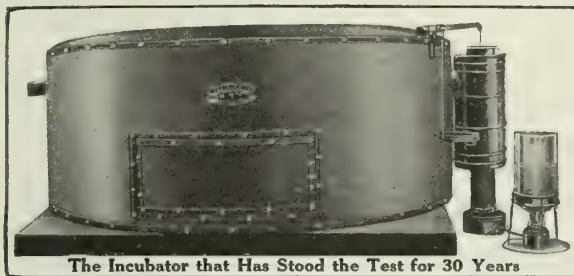
Cockerels.—First, a beauty; perfect back and body; neat head and comb; hackle near perfection; strong wing and beautiful green tail; color special champion male. Second, too high on legs; flat back; long body; good in hackle and wing; winning on ma-

CARMAN'S WHITE WYANDOTTES

WINNERS WHEREVER SHOWN

I have four of the grandest pens I ever mated for my egg trade. Eggs from pen 1 and 2, $5.00 per 15, pen 3 and 4, $3.00 per 15. A few good cockerels left from $2.00 up. Order direct from this ad. Satisfaction guaranteed.

O. A. CARMAN PETERSBURG, ILL.



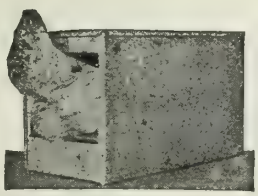
The Incubator that Has Stood the Test for 30 Years

AXFORD
Round
Incubators

Hatch more strong, vigorous chicks than any other.

Write for Catalog today—it will please you.

Chicago's Mammoth Hatchery
729 E. 45th St., Chicago, Ill.



AUTOMATIC SANITARY TRAP NEST
THE BEST IS THE CHEAPEST

"Best that has come out." Poultry Herald.
"Thoroughly Automatic—nothing to get out of order." American Poultryman.
"Practical, sanitary and sensible." Southern Cal. Poultry Breeders Ass'n.
"There are none compared with it." Judge J. B. Greenfield.
"Works splendidly—tells what each is doing." Rev. D. Earl Rhoads, Ada, Ohio.
"Hens take to it readily—it is splendid." Robert Achurch, Charleston, S. C.
"It has come to stay." Iowa Farmer.

Metalic, vermin proof, durable. Accurately selects layers from non-layers. Has made the 300 egg hen possible. **All hail the Trapnested Hen.** No. C 521, Oregon Station, a trapnested hen bred from trapnested stock just completed 304 eggs in twelve months. Best booklet out—Free. Address:

Automatic Sanitary Trap Nest Co., - Duluth, Minn.

Alpena Poultry Farm

Breeders of **White Orpingtons, Barred Plymouth Rocks,** and **White Wyandottes.** Our birds are the equal of the very best in America. **Our birds are prize winners, and extraordinary layers.** With all the standard requirements.

If you want to buy day old chicks, or eggs for hatching, from stock that will bring added pleasure to your life, let us fill your order.

Day old chicks from the above strains, 35c each, 25 chicks, $8, 50 chicks, $15, 100 chicks, $25. Eggs for hatching from same strains, $2.50 per 15, $5 per 50, $8 per 100.

Our Prices are Low, But Quality is High

Safe arrival, and satisfaction guaranteed. We pay express charges on chicks and eggs. Send in your order at once. We will book the same, and ship when you say.

Alpena Poultry Farm Box 320 **Alpena, Michigan**



J. F. SIEMS, Patentee

Over 600,000 People Have
Tested My Great Hatcher!

They know from experience that in simplicity, ease of management and certainty of results, no incubator in the world equals it. The actual, living hens control everything. It's the incubator that can't make mistakes—and you can't make mistakes in operating it.

As Proof Read the Following:

"Your Incubator speaks for itself. I got 507 chicks from 540 untested eggs."—*G. E. Bengtson, Falun, Kansas.*
"It beats them all."—*Edgar Douglas, Wellsville, Mo.*
"All you claim for it."—*W. H. Murrill, New Albany, Ind.*
"No Bother, No Worry."—*Mrs. A. B. Gorton, Coffeyville, Kans.*
"Worthy of all the praise."—*E. Dunston, Winona, Miss.*
"The greatest success of the age."—*W. Walker, Linden Heights, Ohio.*
"I hatched 225 chicks from 240 eggs."—*B. A. Barton, Grandburg, Texas.*

NATURAL HEN INCUBATOR 200 Egg Size Costs Only **$3**

Artificial incubators cost four times this amount and do not give half such satisfactory results. Remember the Government is behind my machine—fully covered by patents. **No freight to pay.** Agents Wanted. Send today for our FREE Catalog with **Special Introductory Offer** and make success sure.

NATURAL HEN INCUBATOR CO., 1349 Constance St., Dept. 4, Los Angeles, Cal.

rity. Third, a neat, well balanced, little llow, undeveloped; bad comb; good color l through; a comer. Fourth and fifth ell placed.

Hens.—First, long in back and body; od breast and tail; splendid hackle. cond. better type, losing in color of neck id tail. Third, long, rangy type; long anks; sticking in hackle. Fourth, good pe; lost in color of eye, neck and tail.

Pullets.—First, neat, fairly well rounded; ttle narrow in back; well spread tail; rong in color of hackle, wing and tail; iape, color and champion female. Other illets strong in line and well placed.

Silver Wyandottes.

Cocks.—First, good head and comb; too ng in back, tail and body; good hackle ad wing; brassy on saddle; strong in under-

color. Second, smaller, narrow in body and back, losing in undercolor.

Cockerels.—First, well balanced, fairly good color; unfinished; with two months' development would be good. Second, longer type; good hackle; brassy on saddle; lost in undercolor of back.

Hens.—First, fairly good type; trifle too long and narrow in back; well balanced on good legs; good open lacing all through. Second, long in type and losing in lacing of back and breast.

Pullets.—First, well finished; narrow in back; good head and comb; well spread tail. Second, a good, unfinished specimen; better laced than first, but losing on size and finish.

Partridge Rocks.

Cocks.—First, bad comb; narrow back, sloping to tail; tail unfinished; good eye; strong in striping of hackle and saddle, but losing in undercolor of back and at base of tail; shape and color champion male. Second, unfinished; bad back and tail; coarse comb; high in breast; good striping in hackle and saddle; strong undercolor; lost on condition. Third, good type; well finished; good comb, head and eye; losing in color, both top and under. Fourth and fifth losing in both type and color.

Cockerels.—First, fairly good type; broad breast, good body; narrow in saddle; good tail; coarse in comb; well striped in hackle and saddle, losing in undercolor of hackle. Second, short in back, flat in breast; coarse comb; neat,

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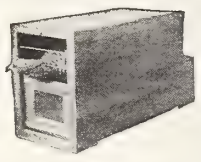
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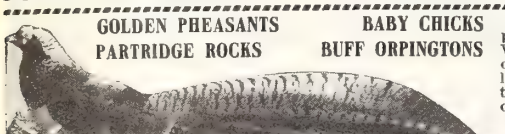
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JOCOY'S AMERICAN WHITE Campines have the greatest combination of desirable qualities ever before bred into one breed. Booklet free. J. A. Jocoy, Towanda, Pa. 1-3

SILVER CAMPINES. Eggs and cockerels for sale. Prices reasonable. Fred Coulson, Malta, Ohio. 1-3

SILVER CAMPINES—Kennedy-Jacobus strain. Layers of large white eggs and lots of them; $3.00 for 15. E. C. Aderhold, Plymouth, Wis. 1-4

SILVER AND GOLDEN CAMPINES. Remem- ber, before buying elsewhere, 'twill be to your interest to get my prices on eggs. Mating list free; send for it. Dr. Prudhomme, Desk P, Thurmont, Md. 1-3

BAYERDORFFER, OAKWOOD HEIGHTS, N. Y., improved Silver Campines; large egg strain. Stock the finest in existence. Eggs, $3.00 per 15; $15.00 per 100. Mating list free. 1-3

MRS. CARVER'S GOLDEN CAMPINES. The big winners at the great Coliseum Show, Chicago, this year, winning 1st pen, 1st cock, 2nd hen. My egg matings this season headed by 1st pen cockerel at Chicago, 2nd pen headed by 1st Chi- cago cock. Clear hen feathered male birds, the best in the world. Eggs reasonable. Mrs. Car- ver, Carver's Red Farm, Seville, Ohio. 11-13-tf

SILVER CAMPINES. Can spare a few pairs and trios of my improved champions at reason- able prices. Will have several choice pens mated for the egg and chick trade. See display ad. Alice Rawson, Big Rock, Ill. 1-3

BOOKING ORDERS NOW for hatching eggs. Silver and Golden Campines (prize winners this fall), Kennedy's strain; $5.00 for 15. Shearer- Henry Poultry Yards, Delavan, Wis. 1-3

SILVER CAMPINES—Stock for sale. If inter- ested in this wonderful white egg machine, write Dr. Brownback Poultry Yards, Pendleton, Ind. 1-3

SILVER CAMPINES (Jacobus strain). Eggs from prize winning birds, $3.00 per 15. Patrick Delaney, Maple Ave., Du Bois, Pa. 1-3

SILVER CAMPINES worth while. Breeder and show birds. Mart Rahn, R. 20, Clarinda, Iowa. 12-2

CAMPINES—SILVER, GOLDEN; Kennedy's Cockerels. "Lay and Pay." Eggs, 15, $3.50; 30, $6.00. Rev. E. H. Keator, Franklin Park, N. J. 12-5

SILVER CAMPINES—Improved Silver Cam- pines, choice young stock. Rev. W. Berberich, Groton, N. Y. 12-2

CHAMPION IMPROVED SILVER and Golden Campines (Kennedy's best pens), grand cocker- els, choice Silver pullets. Thos. Brogden, Rush Lake, Wis. 12-2

COCHINS.

WHITE COCHIN COCKERELS and pullets, $2.00 each while they last. W. B. Grinyer, Ele- roy, Ill. 2

CORNISH.

PEN OF WHITE CORNISH—Some scored. Knell & Sons, Hoopeston, Ill. 2

DARK AND WHITE CORNISH of quality. Stamp for prices. W. B. Grinyer, Eleroy, Ill. 2-3

SUPERIOR DARK CORNISH winners Ohio state show, Lancaster, Chillicothe. Stock and eggs. Satisfaction guaranteed. C. Leitnaker, Basil, O. 2-4

DARK CORNISH. Winners Kentucky State Fair, four firsts and one second on 5 single en- tries. Great winter layers. Can supply stock and eggs. Satisfaction guaranteed. L. B. Proal, Buechel, Ky. 1-3

TEMPLETON'S DARK CORNISH won silver cup, best display, San Jose. Exhibition birds and breeders for sale. W. S. Templeton, Campbell, Cal. 12-2

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AMERICAN DOMINIQUE Poultry Yards, Ma- lone, N. Y. No better breed exists than Domin- iques. Circulars. 1-3

THE VERY BEST there is in Dominiques. A. Q. Carter, Freeport, Me. 1-3

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SILVER GRAY DORKINGS EXCLUSIVELY 25 years. The very finest, as our records show. More first and special prizes at New York and Boston shows the last 16 years than all competi- tors combined. Display and all specials, New York, Dec., 1913. Eggs from six grand pens, $4.00 for 13; $7.00 for 26. Watson Westfall, 175 Cayuta St., Sayre, Pa. 2-5

RALPH CHANT, JOHNSTOWN, N. Y. Dork- ings won 3 first Madison Square, 1913. 1-3

FAVEROLLES.

MAKE YOUR POULTRY PAY by starting now with White Faverolles, the coming popular fowl, quick growers, unexcelled for market, wonderful winter layers, very hardy; largest flock in Amer- ica; can furnish pairs, trios, pens. Most points, including grand first pen Madison Square Gar- den, December, 1913. Eggs, $10.00 per 15. Brak- endale Farms, Fonthill, Ontario. 2-4

WHITE FAVEROLLES from finest imported. Eggs, $8.00. "Ownlands," South Hammond, N. Y. 1-2

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EGGS, $1.50 PER 13. Black, Red and Silver Duckwings. Pit Games. Stamp for circular. Clark Price, Rochester, Mich. 2-4

PIT GAMES. SIX STRAINS, all good ones. Winners in every state, also Mexico. Send for curculars and testimonials. W. C. Byard, Wal- nut Hills, Cincinnati, O. 1-3

SUPERIOR GAME FOWLS—Toga Japs, pure bloods; Atkinson White Aseels, Irish Round Heads, pit Japs, grade Aseels, wild Mallard ducks, domesticated, $3.00 a pair. L. W. Farrar, Buckfield, Me. 12-2

HAMBURGS.

SILVER SPANGLED HAMBURGS—December, 1913, 1st cockerel, Madison Square; 2nd cock, 3rd hen, Palace. Stock and eggs for sale. A. Leventritt, Tivoli, N. Y. 2-4

EXTRA FINE SILVER SPANGLED Hamburgs. Prize winners in leading shows. Send for mating list. Jay Dudley, Alma Center, Wis. 2-4

SILVER SPANGLED BREEDING stock, eggs, chicks. Show and utility. E. V. Root, Bangor, Mich. 2-5

SILVER SPANGLED AND BLACK HAM- BURGS, "Black Diamond" strain. Highest hon- ors at Madison Square and other leading shows. A trio we sold in 1913 won 1st cock, 2nd hen at the Palace show and 1st cock, 1st and 2nd hens at Madison Square. Eggs, $3.00, $5.00 and $10.00. Will L. Clark, Pres. Am. S. S. Hamburg Club, Sullivan, O. 2-tf

SILVER SPANGLED HAMBURGS—First and third cockerels, Chicago; first and third cockerels, Kansas City, and 8 other selected cockerels, some scoring 93. Eggs in season. Circular free. F. E. Glover, Ord, Neb. 2

EXTRA FINE ROSE COMB Silver Spangled Hamburg cocks and cockerels for sale. Frank Nowka, Glennville, Neb. 12-2

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BAST'S HOUDANS—AMERICA'S BEST. High- est awards Boston, 1914; Madison Square Garden. Best display, Philadelphia, Hagerstown, Allen- town. Write your wants. Prices reasonable. W. F. Bast, Phillipsburg, N. J. 2-4

HOUDAN COCKERELS AND PULLETS, $1.50 each, from best strains. John R. Martin, Pulas- ki, Va. 2

BLUE RIBBON HOUDANS—Stock and eggs reasonable. John M. Jackson, Sedalia, Mo. 2-4

HOUDANS.

HOUDANS—"WORTH WHILE" layers of big white eggs and lots of them. The great utility fowl. Write your wants to Dr. G. G. Billman, Sullivan, Ind. 2-4

HOUDANS. $5 per trio, while they last. Weber Bros., Maugansville, Md. 1-3

HOUDANS. Proprietor all Peterson's. Also book, 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 11-13-tf

HOUDANS. EGGS AND STOCK. Boston winners. Stamp. Reply. S. L. Morse, Harrison, Me. 5-13-tf

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STURZEL'S HURRICANES. The gamest, surest cutters, most scientific and aggressive fighting fowl in America. for proof write for our new catalogue of pit games and cockers' supplies. Sturzel & Patterson, 2223 Orchard St., Chicago, Ill. 1-3

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1914 STATE POULTRY SHOW won on 8 Black Javas; 14 prizes. Eggs, $1.50 per 15. Stock for sale. Herbert Hodgson, Albion, Ill. 2

LAKENVELDERS.

LAKENVELDER COCKERELS. Good stock; $4.00 each. Geo. Meyer, 20 Wood St., Pittsburgh, Pa. 2-3

LAKENVELDERS—EGGS from winners, $3.50. E. Slate, South Hammond, N. Y. 2-4

LAKENVELDERS—MYERS' SENSATIONAL, beautiful fowls were winners of five firsts, Chicago, 1912, and four firsts, Freeport, Ill. Catalog free. Frank Myers, Freeport, Ill. 2-4

LAKENVELDERS—HIGH-CLASS trio, $10.00. Eggs, $4.00 15. "Ownlands," South Hammond, N. Y. 1-2

BREEDING STOCK, EGGS and chicks for sale. Legron's Duck Farm, Harvard Terrace, Toledo, Ohio. 1-3

LANGSHANS.

BLACK LANGSHANS -Quality kind, that win and lay. Eggs for hatching, $3.00 per 15; $5.00 per 30. Leo Gartman, Oshkosh, Wis. 2-4

SUPERB PRIZE WINNING BLACK Langshans are great layers. Show birds or breeders. Eggs. Lorenz & Co., Springvalley Farm, Perryville, Mo. 2-4

PURE BLACK LANGSHAN cockerels. Write Laura Thrash, R. R. 11, Box 96, Ft. Wayne, Ind. 2

WHITE LANGSHANS—Silver cup winners, also first prize cockerel of three state fairs. A few choice pens at $10. Also eggs for hatching. Cedar Lawn Poultry Farm, Rutland, O. 2-4

BLACK LANGSHAN cockerels for sale, $1.50 each. C. A. Jessen, R. 5, Lakefield, Minn. 2-4

BLACK LANGSHANS—A few choice cockerels for sale, bred from show winners. Pens now mated for egg trade. D. & C. Poultry Farm, Pt. Huron, Mich. 2-4

WHITE LANGSHANS—Extra fine birds, $2.00 up. J. T. Nixon, Potomac, Ill. 2-3

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HICK'S CHAMPION Black Langshans. Winners Grand Central Palace, New York; Augusta, Ga., etc. Stock, eggs, baby chicks. Catalogue. Dr. Peter Hicks, Bound Brook, N. J. 1-3

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BABY CHICKS; WYCKOFF White Leghorns; July, $9.46 per 100; earlier, 7c extra each day. Discount advance orders one cent each day; small deposit; broad guarantees. Bully good circular free. George Phillips, R. 111, Seymour, Conn. 2

A "SQUARE DEAL" TO ALL—Whitney's S. C. White Leghorns are money makers. Bred to lay and exhibit. Eggs from best layers, $1.00 per 15; $1.75 per 30; $2.50 per 45; $5.00 per 100. Fertility guaranteed and "Golden Rule" observed. Booklet free. Wm. B. Whitney, Marlboro, Ulster Co., N. Y. 2-14-tf

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SINGLE COMB WHITE LEGHORNS, stock and eggs. August W. Schroeder, St. Peter, Ill. 2

S. C. WHITE LEGHORNS—Corning's and Cyphers' first quality direct. Breeders; yearling great layers, $2.00, $3.00; splendid, vigorous cockerels. $3.00, $8.00. Eggs, $6.00 per 100. Chicks, $12.00. St. Johnsville Poultry Farm, St. Johnsville, N. Y. 2-4

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FERRIS STRAIN WHITE Leghorns—Eggs for hatching, $1.25 per 15; $6.00 per 100. Replace infertiles free. Fred Deihl, Morrisonville, Ill. 2-4

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TOM BARRON COCKERELS, $5 each. Father of these cockerels imported direct. Single Comb White Leghorn cockerels from the Tomoka strain, $2.00 each. Catalog on request. Tomoka Poultry Farm, Ellington, Conn. 2-3

SINGLE COMB WHITE LEGHORNS—Fine cockerels, $1.00. Circular. Albert Daily, Frankfort, O. 2-4

SINGLE COMB WHITE LEGHORNS—Free range. Eggs, $4.00 per 100. Mrs. Ben Baskerville, "Hillcroft," Montrose, Mo. 2-5

HENS, $1.25; PULLETS, $1.25, $1.50; cockerels, $2.00, $3.00. Bully good Wyckoff White Leghorns; broad guarantees; circular free. George Phillips, R. 111, Seymour, Conn. 2

S. C. WHITE LEGHORN EGGS—A strictly choice flock of matured winter layers raised on free range. 15 eggs for $1.00; 100 for $5.00; 1,000 for $45.00. Day-old chicks, 100 for $10.00. Satisfaction guaranteed. Mt. St. Francis Poultry Farm, Box E, Floyds Knobs, Ind. 2-5

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DAY OLD CHICKS, eggs for hatching, utility and exhibition stock; few more cockerels for sale. C. H. Beebe, Saddle River, N. J. 2

SINGLE COMB WHITE LEGHORNS. Eggs from selected, vigorous, trap-nested, heavy laying females mated to very fine mates. Settings, $1.50. One hundred: Feb., $9.00; March, $8.00. Infertiles replaced. Circular. C. W. Balke, Urbana, Ill. 2-3

S. C. WHITE LEGHORNS—Blanchard and Young strains. Baby chicks, $10.00 per 100. Hatching eggs, $5.00 per 100. My stock has free range, good size and the best of layers. Satisfaction guaranteed. Forest Hill Poultry Farm, D. S. Clark, Prop., Pulaski, Mich. 2

SINGLE COMB WHITE LEGHORNS—Eggs for hatching of high-scoring, trap-nested layers. Mating list free. Neubauer, Troy, Ill. 2-4

S. C. WHITE LEGHORNS and White Wyandotte eggs, $1.50 per 15; $10.00 per 100. Baby chicks. Write for mating list. Ricketts Poultry Farm, R. D. No. 2, Johnstown, N. Y. 1-3

SINGLE COMB WHITE LEGHORN cocks and cockerels. Large, excellent type Leghorns, 250 egg strain, $2 to $5. Also eggs and day-old chicks. Nothing better. Orchard Mount Poultry Farm, Whitesville, N. Y. 2

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S. C. WHITE LEGHORNS. Extra fine utility stock. Eggs, $3.00 for 15. Marjorie Hoffman, Red Hook, N. Y. 2-3

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ENGLISH SINGLE COMB WHITE Leghorns, near relations to competition winners at Connecticut Agricultural College and Mountain Grove, Mo. Eggs, $3.00 per dozen, carriage paid. Adult birds from $6.00 each. Carriage paid to nearest Atlantic ports. Arthur Stephenson, Cowling, Keighley, England. 2-4

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YOUNG'S STRAIN SINGLE Comb White Leghorn hatching eggs, $1 and $1.50 per 15. Fertility guaranteed. Baby chicks, 12c. Hough Farms, Bedminster, N. J.

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$1.00 EACH—SINGLE COMB WHITE Leghorns, pullets and cockerels, yearlings and cocks. Shipped anywhere. As many as desired. Write for catalogue. Woodworth Farm, Wilton, Conn. 8-tf

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S. C. BROWN LEGHORNS.

$3.50 PER HUNDRED GUARANTEED fertile eggs. Welday's Vitality Strain Single Comb Brown Leghorns have an 8-year flock average record of 211 eggs per hen yearly. World's leading layers. Price smasher catalog free. Stock for sale. K. K. Welday, Seville, O. 2-4

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SINGLE COMB BROWN Leghorn cockerels from New York State Show winners. Write me, I will save you money. A. F. Lehman, Toulon, Ill. 1-3

S. C. BROWN LEGHORNS. A large number of fine, husky cockerels, utility and show birds, $1.00 and up. Write us, we can save you money. R. Hendricks, Washburn, Ill. 12-2

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KULP'S 242 STRAIN Rose Comb Brown Leghorn baby chicks, $10 per 100; eggs, $3.50 per 100; $1 for 15. Mrs. M. N. Smith, R. 2, Packwood, Iowa. 2-4

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EVERGREEN FARM Rose Comb Brown Leghorns, hens $1.00 each, 6 for $5.00; cocks and cockerels, $1.00 to $5.00 each, fine birds from heavy laying strain; eggs in season. Mrs. J. J. Case, Box 46, Elmhurst, Ill. 12-2

ROSE COMB BROWN LEGHORNS, "Kulp strain." Standard bred cockerels, $1.00 each; eggs, $4.00 per 100. Pirtle Poultry Farm, Bloomfield, Iowa. 12-2

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BUFF LEGHORNS, Single Comb. Cincinnati, December, two entries, two firsts; Indianapolis, January, first, second, third cockerel, first pullet, second pen; 15 eggs, $1; 50, $3; 100, $5. James R. Pearcy, Martinsville, Ind. 2-4

SINGLE COMB BUFF LEGHORNS—Pen headed by first cock Buffalo's greater show, 1913; females consist of first pen Syracuse, first pen Ogden. Eggs, $10 setting. G. S. Boller, Little Valley, N. Y. 2-4

S. C. B. LEGHORNS—Good cockerels and pullets at reasonable prices. Mrs. Chas. Kelly, Carwood, Ind. 2

"AMERICAN QUALITY" SINGLE COMB Buff Leghorns won first hen, fifth pullet, fifth pen last Chicago Coliseum show. Eggs and stock priced right. Lee Munger, DeKalb, Ill. 2

S. C. BUFF LEGHORNS—The kind that lay. Eggs, $1.50 per 15. E. Slate, South Hammond, N. Y. 2-4

SINGLE COMB BUFF LEGHORNS—Eggs from prize winners. Choice matings, 15, $1.50 and $3.00. Cockerels, finest quality, $2.00 to $5.00. Mrs. Seth Marsh, McKean, Pa. 2-5

SINGLE COMB BUFF LEGHORNS—Eggs for hatching from fine layers and prize winners. W. L. Jump, Route 2, Huron, O. 2-4

S. C. BUFF LEGHORNS direct from New York and Chicago winners; 2 matings; stock, eggs, baby chicks. F. J. Rosenberger, R. 9, Tiffin, O. 2-5

SINGLE COMB BUFF LEGHORNS—264 premiums Madison Square, Palace, Patchogue, Allentown, Mineola, Syracuse, Williamsport, Hempstead. Winning males head matings. Eggs, $1 to $10 per 15. Chicks, 15c to $1 each. List free. Wm. Crevolserat, 34 Mill Road, Freeport, N. Y. 3-13-1yr

S. C. B. LEGHORNS—100 cockerels, 500 pullets for sale. Exhibition and utility stock. We can save you money. Write us. Catalog free. Eli F. Hersey, Parkersburg, Iowa. 2-4

S. C. BUFF LEGHORNS—Eggs, $1 per 15. Catalog free. Buff Leghorn Farm, Columbia, Pa. 2-4

SINGLE COMB BUFF LEGHORNS—Cockerels, $1.50, $3.00 and $5.00. Eggs, $1.50 and $3.00. Baby chicks, 17c each. C. Emmet Owen, Box 384, Machias, N. Y. 2-5

ROSE COMB BUFF LEGHORNS won first cock, first pullet, second hen, fourth cockerel on four entries at Chicago, Dec. 12 to 17, 1913. Eggs for hatching. Write for mating list. Geo. F. Hoffman, Cuba City, Wis. 2-5

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WINNING AND LAYING is a habit with Blouch's Single Comb Buff Leghorns, winning first at the world's best shows. Stock, eggs, chicks. Catalogue free. Buff Leghorn Poultry Yards, Annville, Pa. 1-3

BUFF LEGHORNS. Both first Chicago, 1913. Horton Green, Dixon, Ill. 1-3

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S. C. BLACK LEGHORNS, prize winners. Stock for sale; eggs in season. H. A. Milliron, R. D. 1 Du Bois, Pa. 12-2

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ORPINGDALE WHITE LEGHORNS—Grand layers and payers. Eggs, $1.50 per setting; $10 per 100. Orpingdale, Box 41, R. F. D. 4, Bangor, Me. 2-4

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BLUE RIBBON WINNER Barred Rocks won ten Ribbons on twelve entries at the last great Music Hall Show, Cincinnati, Ohio, in the strongest class of Rocks shown in Central West. Have a few good Cockerels left, both matings. Eggs, $2 per setting and up. Wm. Springmeyer, 139 W. 6th St., Cincinnati, O. 2-4

FOR SALE—BARRED ROCK pullets that will make splendid layers. Also incubator eggs. L. F. Thompson, Hope, Ind. 2-3

26 EGGS $1.00; $3.50 per 100. Thompson's "Ringlet" strain of pure bred Barred Plymouth Rocks. Write for circular. Frank Moore, Madison, Ind. 2-4

BARGAIN—50 BARRED Rocks, yearlings, Park strain, $1.00 each. Wm. Dingeman, Cadillac, Mich. 2

VOYLES' BARRED ROCKS are winners. First pen Louisville, Ky., 1912, 8 yards, both matings. Incubator eggs, $4 per 100. Selected mating, $2 to $3 per 15. A few choice cockerels left. Satisfaction guaranteed. Wm. R. Voyles, Ramsey, Ind., Box O. 2-4

THOMPSON RINGLET ROCK cockerels, $3; 15 eggs for $2. Leonard Felker, Beardstown, Ill. 2-4

AM NOW BOOKING ORDERS for eggs from bred-to-lay Barred Rocks. All yards mated to cockerels from J. W. Parks, direct. Eggs, $10.00 per 100; $2.00 per 15. Stock for sale. J. W. Bugg, Assumption, Ill. 2-4

BARRED PLYMOUTH ROCKS—eggs, $1.50 per 15. Bert Funkhouser, Ridgeville Corners, Ohio. 2-4

MY STAMINA STRAIN BARRED Rocks won first prize at big Minneapolis show this January. Breeders and hatching eggs cheap. Delivered free. Satisfaction guaranteed. Write me. R. G. Hill, River Falls, Wis. 2-4

FINE ONES CHEAP. C. O. D. Macomb Fanciers Co., Macomb, Ill. 2

BARRED ROCKS—THOMPSON'S Ringlets—Eggs, 100, $3.50; 15, $1.00; 30, $1.75. E. P. Churchill, Allerton, R. 3, Iowa. 2-4

COCKERELS, HENS, PULLETS. Double mating; a splendid lot; none better, few as good. Prices reasonable. Birds produced from prize winners from some of our largest shows. State your wants. Write for information. W. H. Goddard, Muncie, Ind. 2-3

BRED TO LAY BARRED Rocks exclusively. Large, brown eggs for hatching. Closing bargains in valuable cockerels. Write for prices. C. A. Newcomb, Celina, O. 2-4

50 BARRED ROCK COCKERELS. Elegant shape, size and barring for show or breeders. Pens mated. Eggs from prize winners; $2 setting. Write me. J. C. Spence & Son, 2809 Chase St., Anderson, Ind. 1-3

PARKS' 200 EGG BARRED Rocks. Pens headed by son of Parks' hen, "Muzz," 232 eggs. Hens with records 238-246 eggs. 15 eggs, $1.50. Circular free. Frederick Matteson, 3808 Woodley Lane, Washington, D. C. 1-3

BARRED ROCKS — THOMPSON, HAWKINS and Bradley strain. Shipped on trial, approval or C. O. D. Pullets and cockerels, $1.00 each. Mrs. Edith Chelton, Landonville, Md. 1-3

CHOICE BARRED ROCK cockerels, exhibition type, barred clean and sharp to skin, both matings. Prices right. Write. W. F. Gerwig, Forreston, Ill. 12-2

FINE BIG BONE Thompson Ringlet Barred Rock cockerels, $1.50 up. Mrs. James Whitesides, Memphis, Ind. 11-2

RINGLET BARRED ROCKS. E. B. Thompson strain. Choice cockerels for sale, both matings. Mrs. H. W. Scofield, Strawberry Point, Iowa. 11-2

OUR BARRED PLYMOUTH ROCKS (pullet matings exclusively) winners everywhere. Iowa State Fair won 1st, 2nd, 3rd cockerels, 1st, 2nd, 3rd pullet. For cockerels that will produce winners. Strong, vigorous, healthy, happy birds, snappy, clear barring, at reasonable prices, write John Peterson, Box 29, Randall, Ia. 1-2

BARRED ROCK HATCHING EGGS, $1.50 for 15. $6.00 per hundred. "T-O-P" heavy laying utility strain. Seven hundred yearling breeders. Book orders early and avoid disappointment. Twin Oak Poultry Farm, Williamstown, Mass. 1-3

BARRED ROCKS, E. B. Thompson's strain. Cockerels, $3.00 to $5.00. Sent on approval. Won at the Madison show, 1913, thirteen ribbons, six firsts. Mrs. E. A. Oliver, Belleville, Wis. 1-3

BARRED ROCKS. RINGLET STRAIN. Hundreds of good birds at bargain prices. Show birds, breeders, utility flocks. K. I. Miller, Box T, Lancaster, Mo. 1-3

FIFTEEN LATHAM BARRED hens and cock. Partridge Rock cockerels. Edna Diehl, Morrisonville, Ill. 1-3

BARRED ROCKS—Winter laying strain bred for utility and vigor. Beauty always in view. Prices reasonable. Best references and a square deal. The Fowlers of Maplecroft, Box 264, Youngstown, O. 1-3

COCKERELS SIRED BY "Aristocrats" direct from "Holter's Roost," are hard to beat; both matings. I'll do my best to please you. Write now. Chas. Morgan, Loda, Ill. 1-3

RINGLETS—BARRED ROCK cockerels, 100 pullet and cockerel bred, large and vigorous, with splendid barring, $2.00 to $5.00 each. Satisfaction guaranteed. J. T. Roberts, Union Star, Mo. 12-2

RINGLET BARRED LOCKS. Large, vigorous farm range cockerels. From exhibition and utility matings; choice, high quality birds at bargain prices. Circular and show winnings free. Mrs. J. M. Kemp, Kenney, Ill. 12-2

"RINGLET" BARRED ROCKS. Exhibition quality. Hen hatched, hen raised; $2.00 to $8.00 each; pens, five birds, $10.00 to $20.00. cockerel and pullet mating. Sold on approval. Circulars. John Northon, Clare, Mich. 11-2

IMPERIAL RINGLET BARRED ROCKS, $1.50 up; satisfaction guaranteed. M. L. Stamper, Clifton Hill, Mo. 12-2

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HATHAWAY'S BARRED ROCK cockerels, three dollars up. Geo. C. Hathaway, Sheldon, Ill. 12 2

WHITE PLYMOUTH ROCKS.

FINE ONES CHEAP. C. O. D. Macomb Fanciers Co., Macomb, Ill. 2

WHITE ROCKS—stock and eggs. Also all leading varieties of baby chicks. The Acme Poultry Farm, New Bremen, O. 2

WHITE ROCK COCKERELS, $5; pullets and hens, $3. R. Burnett, Anna, Ill. 2-3

LYON'S LAYING STRAIN White Rocks. Lyon, 1826 Lafayette Ave., Terre Haute, Ind. 2-4

WHITE PLYMOUTH ROCKS—Some excellent cockerels at reasonable prices. Write, F. W. Driscoll, Redkey, Indiana. 2

WHITE ROCKS—200-egg strain—15 eggs $1.00, 50 $3.00, 100 $5.00. Elliott & Rollings, Jacobs Creek, Pa. 2-4

HIGH CLASS WHITE ROCKS, Fishel strain direct. Wonderful layers, 15 eggs, $1.00; 50 eggs, $3.00; 100, $5.00; 200, $10.00. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 2-5

RETIRING SALE—Twenty-four White Rock hens, hatched from eggs direct from Fishel, $3.00 each. Pullets from above hens, $2.50 each. Sunflower Poultry Yards, Grafton, Ill. 2

WHITE ROCKS, DIRECT FROM FISHEL. Range raised, trap-nested stock. Winners at leading Illinois shows. Eggs, $2.00, $3.00 and $5.00 per 15. Baby chicks, 20c to 40c each. Discount for quantity. Mating list free. R. A. Pritchett, White Hall, Illinois. 2-4

WHITE ROCKS. Cockerels, $2.00; trios, $5.00; pens, $8.00; eggs, $2.00 for 15. W. C. Kassebaum, Plymouth, Wis. 2

WHITE ROCKS EXCLUSIVELY (Fishel direct). Eggs, $2.00 and $1.00 per setting. John Lively, Wellston, Ohio. 2-4

WHITE PLYMOUTH ROCKS. Early cockerels for sale, $3.00 up, from highest quality stock. Satisfaction guaranteed. Eggs, $2.00 and $3.50 a setting, after February 1. Theodore Poole, Syracuse, N. Y. 1-4

WHITE PLYMOUTH ROCKS (Fishel strain). Cockerels and pullets for sale. Eggs in season. These birds are from direct stock from Fishelton. H. J. Coleman, Milan, Ohio. 2

FISHEL WHITE ROCK cockerels for sale. Eggs for hatching. Cornelius Heinfeld, New Bremen, Ohio. 2

TRAP-NESTED WHITE ROCKS. Bred for eggs. High record 255. Flock average 1709. Eggs for hatching, $2 per setting. A. L. McClellan, Route 8, Mansfield, O. 2-4

WHITE ROCK EGGS from winners. Send for circular now. C. F. Deichmann, Forestville, Conn. 2-4

WHITE PLYMOUTH ROCKS. Prize winning, trap nested. Cocks, $8 to $10; hens, $3 to $5; cockerels, $3 to $7; pullets, $2 to $5. Chicago Show, December, 1913, Coliseum, won fourth old pen and fifth young pen. Illinois Poultry Fanciers' Show, January, 1914, Waukegan, Ill., won first, second cockerels, first, second pullets, second, third hens, third cock. See us at the Indianapolis Show this February. Shadywood Farm, Crown Point, Ind. Conditioned show birds sold only by personal appointment. 2

MOORE'S WHITE ROCKS. First prize winners at Hagerstown, Cleveland, Columbus and Ohio State Fair. Free picture of "Napoleon," the best White Rock cockerel in the world. Eggs, $1.50, $3.00 and $5.00 per setting. Send today for mating list. Geo. S. Moore, Clintonville, O. 2

HIGH CLASS WHITE ROCKS, Fishel direct, 15 eggs, $1.00; 100 eggs, $5.00; 200 eggs, $9.00. George Lehmkuhl, Box 182, New Bremen, Ohio. 2-5

WHITE ROCKS. THE BIRDS with a foundation of winning and laying qualities. I have very choice cockerels and pullets, snow white birds, for sale. Satisfaction or money back. For eggs write me. Mrs. Louisa White, Washington, Ill. 2-4

WHITE ROCKS. FISHEL STRAIN. Hundreds of good birds at bargain prices. Show birds, breeders, utility flocks. K. I. Miller, Box T, Lancaster, Mo. 1-3

COLLINGS' PREMIUM WHITE Rocks please particular people. Excellent stock for sale; order eggs early. J. G. Collings, Terre Haute, Ind. 1-3

FISHEL WHITE ROCKS. Good utility cockerels, $1.50 and $2.00 each. W. L. Seibert, Mt. Carmel, Ill. 1-3

FISHEL DIRECT EXCLUSIVELY. Choice cockerels, $2.50 to $5.00. Eggs, $2.50 per setting in season. C. L. Hartzell, Dustin, Okla. 1-3

WHITE ROCKS EXCLUSIVELY. Silver cup winners at Hamilton, Cincinnati, Indianapolis for 12 years. Farm raised. Cockerels, $3 to $15. Show pullets and hens, $10. Eggs from exhibition pens, $5 per 15. H. L. Brown, Oxford, O. 1-3

WHITE ROCKS (FISHEL). Husky, vigorous cockerels. Baby chicks. Eggs. Mating list. Thomas Richardson, Evanston, Ill. 1-3

WHITE ROCKS. Cockerels, $2.00 up; trios, $5.00; pens, $8.00. C. Roy Morgan, Bristol, W. Va. 1-3

EVENTUALLY YOU WILL WANT the best White Plymouth Rocks. Why not buy them now? Write me today. E. A. Hayward, Cooksville, Ill. 1-3

SINGLE COMB WHITE PLYMOUTH Rocks. Eggs and stock. Prices reasonable. I. C. Young, Malta, O. 1-3

WHITE ROCKS. Prize winning. Eggs $2 to $5 per setting. Marshall Hill Poultry Co., Massillon, Ohio. 12-2

WHITE PLYMOUTH ROCKS (Fishel strain). Extra fine cockerels and pullets for sale; eggs in season. R. V. Kennedy, Cullom, Ill. 12-2

LARGE, PURE BRED WHITE Rocks for sale. Standard Guernsey Farm, Blue River, Wis. 12-5

"FISHEL" WHITE ROCKS. Cocks, cockerels, hens and pullets. Catalogue free. Plumber M. McCullough, Mercer, Pa. 12-2

FISHEL WHITE ROCKS. Blue ribbon winners at several large shows; breeders, prize winners and utility; free catalogue. State your wants. White View Poultry Yards, Mishawaka, Ind. 12-2

HOCH & FREDERICK, Chambersburg, Pa., sell White Rock Breeders and Show Birds. 12-2

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BUFF ROCKS. GRAND lot of stock at half their value. Pens and trios bred to lay. Eggs, $2 per 15. C. D. Powell, Vermilion, O. 2-4

BUFF ROCK EGGS, $1.00 per 15. Ida Aten, Astoria, Ill. 2

BUFF ROCKS! The world's greatest strains. Winners at Wisconsin State, Janesville and other large shows. Eggs from five exhibition matings. Illustrated catalogue. Splendid cockerels and pullets for sale. Frank Kramer, Fort Atkinson, Wis. 2-5

BUFF ROCKS—Large laying kind. 15 eggs, $2. Rev. Wm. Cunningham, Tamaroa, Ill. 2-3

BUFF PLYMOUTH ROCKS of the quality kind. Get my prices on stock and eggs before you order elsewhere. O. E. Beals, R. 32, Vermilion, Ill. 1-3

BUFF ROCKS—Winners and great layers. Great shape, size and color. Cocks, hens, cockerels, pullets, chicks. Eggs for sale. Chas. C. Reinoehl, North Lawrence, O. 1-3

BUFF ROCK EGGS. Poley's strain direct, and others, $1.50 to $3.00 per 15. Circular free. J. A. Heiser, Fisher, Ill. 1-4

PARTRIDGE PLYMOUTH ROCKS.

PARTRIDGE ROCKS (Bird Bros.' strain). Choice stock. Prices reasonable. Harry O. Kimble, Mishawaka, Ind. 2-3

PARTRIDGE ROCKS. Farm raised. Circular. Glenn Jackson, Dana, Indiana. 2-4

PARTRIDGE ROCKS. Splendid layers. Choice, prize winning cockerels. Eggs. Investigate. Dr. Underwood, Fond du Lac, Wis. 2-4

MY PARTRIDGE ROCKS win in hot competition at five shows. Four grand pens. Eggs, $2.00 and $3.00 per 15. Stock for sale. Send for circular. C. A. Shortt, Alpena, Mich. 2-4

RIVERDALE PARTRIDGE ROCKS. Good stock for sale. Pens mated. R. F. Schuler, Roann, Ind. 2

PARTRIDGE ROCKS, Hamilton, Cincinnati, Chicago, Madison Square Garden winners for sale. Write for list. Walter C. Renaker, Fernbank, Cincinnati, Ohio. 2-4

FOR SALE—PARTRIDGE Rock cockerels, Noftzger strain, three dollars each. D. C. Davis, Cimarron, Kan. 2-4

PARTRIDGE PLYMOUTH ROCKS. Noftzger strain. High scoring stock. Winners wherever shown. Eggs, $2 per 15; $3.50 per 30. Stock for sale. Write your wants. Edwin Sirois, St. Anne, Ill. 2-5

PARTRIDGE ROCKS. A few choice cockerels for sale, bred from show winners. Pens now mated for egg trade. D. & C. Poultry Farm, Port Huron, Mich. 2-4

OUR PARTRIDGE ROCKS are direct descendants of prize winners and bred to lay. Send orders for eggs. Cockerels for sale. George W. Isham, Juneau, Wis. 2

PARTRIDGE PLYMOUTH ROCKS of quality. Stock for sale and eggs in season. C. W. Sweet, Shelby, O. 1-3

PARTRIDGE ROCKS. Eggs from large, vigorous stock. $2.00 per 15; $3.00-30; $4.00-50; $7.00-100. Hez. Kinter, Dillsburg, Pa. 1-3

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PARTRIDGE ROCKS. For stock and eggs address W. H. Hammond, Fort Gay, W. Va. 1-3

OUR PARTRIDGES WON at Detroit, Syracuse, Springfield this year. Prices reasonable. Cyrus Pattee & Son, South Bend, Ind. 12-2

MEADOWLAWN POULTRY YARDS. Sand Creek, Michigan. Partridge Rocks, Noftzger strain only. High scoring, utility, range raised. 12-2

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THE ROCKWOOD FARM, Norwalk, Ohio, Box 1110. Breeders "Rainbow" Partridge Plymouth Rocks. Exhibition, breeding stock. Atlanta, Chicago, Cleveland, Boston winners. 12-2

PARTRIDGE PLYMOUTH ROCKS of the highest quality. Can furnish show birds and good breeders at reasonable prices. True Rock type and correct markings. Eggs in season, $3.00 per 15, $5.00 per 30. Will L. Clark, Sullivan, Ohio. 7-13-tf

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HEY, LOOK HERE! Otter Creek Poultry Farm, Toledo, O., can furnish you high-class Columbian Rock eggs at reasonable prices. 2

COLUMBIAN PLYMOUTH ROCKS bred for eggs and exhibition. Let us tell you about our Indianapolis and Chicago prize winners and the stock we have for sale. G. W. Garlock, Fort Atkinson, Wis. 1-3

SILVER PENCILED PLYMOUTH ROCKS.

SILVER PENCILED PLYMOUTH ROCKS. Stock and eggs from Blue Ribbon winners only. Satisfaction guaranteed. Eugene Ditzler, Davis, Ill. 2

MY PRIZE WINNING Silver Penciled Plymouth Rocks have won at Madison Square, Central Palace, Hempstead and Riverhead and will win for you. Wm. M. Jones, East Hampton, N. Y 12-2

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WHITE AND BARRED ROCK eggs for hatching. Burket's Poultry Farm, Route 1, Frenchtown, New Jersey. 2-5

BARRED, WHITE, BUFF ROCKS, stock and eggs. August W. Schroeder, St. Peter, Ill. 2

GOLDEN BARRED ROCKS—the new beauty and utility breed. Plumage buff barring on white. L. E. Altwein, St. Joseph, Mo. 1-3

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SINGLE COMB RHODE ISLAND Reds. Eggs for hatching, $1 per 15; $3 per 50; $5 per 100. Guarantee 80% hatch, packed for safe delivery. Henry Kelting, Martinton, Ill. 2-4

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"PENN VIEW" REDS. Rose Comb. Eggs and baby chicks from heavy winter layers. Anderson's "Penn View" Farm, Pattenburg, N. J. 2

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SINGLE COMB REDS. Cocks and cockerels, fine shape and rich red, $2.50, $3.50 and $5.00 as to score. Score cards sent with each bird. Mrs. C. F. Spurling, Box 49, Lovington, Ill. 12-2

ROSE AND SINGLE COMB stock and eggs reasonable; Buschmann's strain. August W. Schroeder, St. Peter, Ill. 2

SINGLE AND ROSE EXTRA fine ones cheap. C. O. D. Macomb Fanciers' Co., Macomb, Ill. 2

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COCKERELS, S. C. R. I. REDS, Lester Tompkins strain, from winner Denver show, $3 to $5 (February hatch). F. Mead, Walsenburg, Colorado. 2

EGGS FOR SALE. Rose Comb Reds. Bred for size and egg production, $5.00 per hundred. Rufus Mutchler, Chenoa, Ill. 2-5

S. C. REDS that are right. Eggs, $1.50 per fifteen. Earl D. Willson, Wauseon, O. 2-4

TOMPKINS STRAIN RHODE ISLAND REDS—Both Combs—Winners at Philadelphia, Baltimore and Camden. Stock for sale. Eggs, $1.00 per fifteen, $5.00 per hundred. Special prize mating in each comb, $3.00 per fifteen. Write for mating list. J. M. Drumm, Mercersburg, Pa. 2-4

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RHODE ISLAND REDS (both combs). Vigorous, trapnested, range raised, red to skin. Catalogue, matings, winnings, free. George Haynes, Hyde Park, Toledo, Ohio. 2-4

SPRAGUE'S, THE OLDEST RED breeder in Illinois. Stock best money and experience can produce. Eggs, one-third what others charge for same quality. Circulars free. P. A. Sprague, Maywood, Ill. 2-4

LARGE, FARM RAISED Rose Comb Rhode Island Red cockerels. Prices reasonable. John D. Klein, Chenoa, Ill. 1-3

MOORE'S SINGLE COMB REDS won at Washington 1st Cock, 1st, 2nd Cockerel, 1st, 4th Pullet. Best mating, $5 15. Selected, $2 15, $5 50, $8 100. Fertility guaranteed. Catalogue free. C. S. Moore, Station A, Washington, D. C. 1-3

ROSE COMB REDS. Great layers and prize winners (Buschmann strain). Eggs, $1, $2 and $3 per 15. Baby chicks, 20c, 30c each. Order early. Write for particulars. Roscoe Buskirk, Hopkins, Mich. 2-4

FINE BEAN STRAIN Rose Comb Reds. Cockerels and eggs from heavy laying fancy stock. Harry Rundell, Medina, Ohio. 2-4

EGGS, $2.00 PER 15 and up. Pen laying S. C. Reds. Diamond Poultry Farm, 2736 Springfield Ave., Chicago, Ill. 2-4

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S. C. R. I. REDS. Pure Lester Tompkins strain, that are red and will breed Reds. Best matings, $2.00 per 15; $3.75 per 30. Prepaid parcel post. Guarantee good hatch. H. C. Ward, R. F. D. 3, Carmi, Ill. 2-4

ROSE COMB REDS from Buschmann's, $30 setting. Prize winners. Mated by licensed judge. Extra good. Best pen, $3.50; second, $2 per 15 eggs. James D. Pace, Route 6, Mt. Vernon, Ill. 2

FOR QUICK SALE—Single Comb Rhode Island Reds of quality and prices that are inviting. Correspondence a pleasure; all stock sold on approval. J. W. Brinser, Box 1, South Richmond, Va. 1-4

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REDS (BOTH COMBS). Bean and Tompkins' strains. Stock and eggs. Mating list free. High quality, low price. T. Turner, Eleroy, Illinois. 2-4

REDS—WINNERS—LAYERS—SELLING OUT. Business compels me to dispose of all my Single Comb Reds. Original stock obtained without regard to time or expense—foundation improved by careful breeding. I can satisfy you at a reasonable price. If you want good birds cheap, write quick. $2.00, $3.00, $5.00, $10.00 for females. Males, $5.00 up. Everything, including winners, to be sold. G. H. Kellogg, 126 West Ave., Fairport, N. Y. 2

S. C. REDS, TOMPKINS strain. None better. Circular free. Satisfaction guaranteed. Reference: Prescott National Bank, Prescott, Ariz. Bonham's Red Ranch, Cherry, Ariz. 2-4

SINGLE AND ROSE COMB REDS—Eggs, $1.50 per 15. One choice pen Rose Combs, blue ribbon winners, $4.00 per 15 straight. Chivers, Willett St., Schenectady, N. Y. 2-4

R. I. REDS, BOTH COMBS. Hundreds of good birds at bargain prices. Show birds, breeders, utility flocks. K. I. Miller, Lancaster, Mo. 1-3

SINGLE COMB REDS, utility cockerels, for sale at $1.50 and $2.50. Eggs in season. M. D. Houghton, Cattaraugus, N. Y. 1-3

HATCHING EGGS FROM FAMOUS Vibert flock of beautiful deep glowing red to the skin, hen hatched, free range, open front colony house, large, hardy, active, trap nested Rose and Single Combs. Scientifically line bred for heaviest winter egg production and mated to fine glowing males from trap nested heaviest layers. Long backs, low tails, red eyes. Heaviest winter layers, bred away from broodiness. Highly fertile, clean, normal size, unblemished eggs, gathered hourly, shipped daily, delivered safely. White diarrhoea unknown. Also Vibert Vitality Day Old Chicks. Splendid breeding cockerels from trap nested hens. Breeding stock. Unlimited references, upright dealings, correspondence a pleasure. Vibert Red Farm, Box 7, Weston, N. J. 1-3

R. C. COCKERELS (May hatch). Excellent color, $1.25 and $2.00. Herbert Hoos, Peru, Ind. 1-3

50 FIRST CLASS Rose Comb Red cockerels for sale at reasonable prices. Parsons' Poultry Plant, Avon Lake, O. 1-14-tf

CHOICE SINGLE COMB Red cockerels. High scoring, large boned, deep red type. Eggs booked early, $3.00. Geo. Waltz, Canton, Ill. 1-3

S. C. REDS EXCLUSIVELY. Dark brilliant red color. Fine breeding cockerels, $2.00 each. Utility eggs, $1.50 per 15; $5.00 per 100. G. A. Haper, Batchtown, Ill. 1-3

ROSE COMB REDS. Cockerels and pullets from prize winners at Indianapolis, 1913. Parent stock scoring 92 to 94 by Pierce. Prices reasonable. James F. Brady, Chenoa, Ill. 1-3

BIG STRONG, dark cockerels $3.00 up. Pullets $2.00. Write now. Otis Harter, Delphos, Ohio. 12-2

CARVER'S RED FARMS, SEVILLE, OHIO, home of Carver's Famous Reds. Before buying get our great low "Live and Let Live" Prices. See advertisement inside back cover. 11-13-tf

S. C. R. I. REDS. Circular. D. S. Brownell, Box A, Springfield, Vt. 1-3

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ROSE AND SINGLE COMB RED cockerels from first prize winners Northern Iowa Poultry Show at New Hampton. Satisfaction guaranteed. Correspondence solicited. Lynn Stafford, Waucoma, Iowa. 12-2

ROSE AND SINGLE COMB REDS. Cocks and Cockerels, quality and vigor. Large assortment now. Reds of all ages. Let me know your wants. F. L. Snedeker, 170 North 19th St., East Orange, N. J. 12-2

FINE TOMPKINS STRAIN Rose Comb Red pullets and cockerels. Guaranteed. Dr. Bradshaw, Ogden, Iowa. 12-2

HIGH CLASS ROSE COMB Rhode Island Reds are bred and owned at White Brothers Poultry Farm, Box O, Sunbury, Ohio. 12-2

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RHODE ISLAND WHITE cockerels from best strains in this country, $3 to $5 each; trios, $10 to $15. Eggs, $2 per 15, $8 per 100. Prize winning matings. Col. Warren Russell, Odessa Farm, Winfield, Kan. 2

THE GREATEST RHODE ISLAND WHITE farm in the world. Rose and Single Comb. Stock, eggs and baby chicks. Write for catalogue. Henry Eichelmann, R. No. 4, Waterloo, Ill. 2-4

RHODE ISLAND WHITES. Have some good young stock, especially cockerels, for sale, Jocoy strain, none no better. J. F. Yount, Dalton, Mo. 1-3

SINGLE COMB RHODE ISLAND WHITES, first prizes New York and other shows, tested eggs, $5 per setting. Correspondence solicited. Edmund E. Field, Hasbrouck Heights, New Jersey. 2-4

BARTLETT'S RHODE ISLAND WHITES—to reduce stock we offer 150 yearling hens, $2.50 each, 3 for $7; 50 2-year-old hens, $2.00 each, 3 for $5. An opportunity to obtain good breeding stock for little money. Lakeview Poultry Farm, Box 600, Borodina, N. Y. 2

McCARTHY'S PEERLESS RHODE Island Whites have won the majority of the firsts at the world's greatest shows. Our large illustrated catalogue is free. Carl D. McCarthy, Box Y, Kempton, Ind. 1-3

HEADQUARTERS FOR ROSE COMB Rhode Island Whites. I am the oldest breeder of this breed. Eggs and stock for sale from this wonderful laying strain. Catalogue free. C. A. Foster, Colonial Poultry Yards, Akron, Ohio. 1-3

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ENGLISH RED CAPS, twelfth year. Eggs from my best pens, $3 per 15. R. P. Weidenfeller, Mineral Point, Wis. 1-3

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OUR CIRCULAR TELLS about this good German egg breed. Novova Farm, Silver Spring, Md. 1-3

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MY BLACK SPANISH won all first prizes at Madison Square Garden, New York, 1910, 1911, 1912, 1913-14. Also all first prizes recent Chicago and Boston shows, and hundreds of other first and second prizes throughout the world during past 30 years. Some wonderful trios for sale at $30.00. Single birds, $15.00 each. These fowls will win in any company and will produce very fine specimens. Eggs, $5.00 per thirteen. Each additional thirteen, $4.00. The demand for high class Black Spanish exceeds the supply. There is money to be made in taking up this breed. R. A. Rowan, 200 Title Insurance Building, Los Angeles, Cal. 2-4

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WHITE WYANDOTTES. Duston strain, winnings on request. Eggs, $2 per fifteen. Stock for sale. Leslie De Haven, Bangor, Michigan. 2-4

EGGS FROM MY ILLINOIS State Show and State Fair Blue Ribbon winners at $3.00 per setting, to introduce my stock. Carl M. Bailey, R. R. No. 7, Decatur, Ill. 2

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WHITE INDIAN RUNNER DUCKS—Eggs for sale. Fishel direct; 13 eggs, $1.25; 50 eggs, $4.00; 100 eggs, $7.00. George Lehmkuhl, Box 182, New Bremen, Ohio. 2-5

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WHITE INDIAN RUNNER DUCKS. Winners at Pittsburgh, Wheeling, Cleveland and Hagerstown in 1913, and Hagerstown, etc., in 1914. Breeding and exhibition stock for sale; also eggs. Prices the lowest. Write us. Walnut Hill Farm, Washington, Pa. 2

WHITE RUNNERS, FISHEL'S strain. Bred from prize winners. Chicago, Milwaukee, Indianapolis, Minneapolis. Hardy northern raised stock and eggs. Booklet free. O. E. Haglund, Cannon Falls, Minn. 2

WHITE RUNNERS EXCLUSIVELY. Eggs and stock for sale from the Fishel and Spencer strains. None better. Guaranteed pure white eggs and to breed true to color. Eggs, $1.00 per dozen; five dozen, $4.00; $6.00 per 100. C. W. Michael, Independence, Ind. 2-4

EVERYBODY WRITE FOR COMPLETE culture free telling how to hatch, feed, brood and market Monarch White Indian Runner Ducks. Least work, most profit. Address King's Lazy Lodge Poultry Farm, Vandalia, Mich. 1-3

RUNNERS, WHITE standard. First Chicago, 1913. Horton Green, Dixon, Ill. 1-3

ENGLISH PENCILED INDIAN RUNNERS. Stock and eggs for sale reasonable. H. E. Frymire, Frymire, Ky. 1-3

ALL THREE VARIETIES Indian Runners, also Pekins. Winners at St. Louis, Toledo, Buffalo and Madison Square. Eggs, $5.00 per 100 and up. Baby ducks, 15c each and up. Get free catalogue. Legron's Duck Farm, Harvard Terrace, Toledo, O. 1-3

INDIAN RUNNER DUCKS, fawn and white, strictly white egg layers, powerful heavy layers. A fine selection of stock for sale. Eggs in season. Catalogue free. Write today. C. J. Yoder, Grantsville, Md. 10-13-1yr

FISHEL WHITE INDIAN Runner Ducks. 17 drakes for sale reasonably. R. R. Adams, Albion, Ill. 1-2

INDIAN RUNNER DUCKS. Fawn and white. Heavy layers of pure white eggs. Exhibition drakes and ducks at reasonable prices. Circular and winnings free. Mrs. J. M. Kemp, Kenney, Ill. 12-2

COOK'S STANDARD FAWN INDIAN Runners, undisputedly America's oldest and best. A bumper crop of 1913 hatched ducks now ready. Prices in lots of one or one thousand. Booklet for stamp. Irving E. Cook, Munnsville, N. Y. 9-2

DUCKS.

FINELY MARKED ENGLISH drakes—Brooks-Waltons. My birds have won firsts wherever shown. Utility Young's Leghorns, Ringlet Rocks. Eggs, $1. Mrs. Galvin Wilcox, Spencer, N. Y. 2

FAWN AND WHITE also English Penciled Indian Runners; wonderful layers, large, pure white eggs, 15, $1.00; 50, $3.00; 100, $5.00. B. F. Morgan, Independence, Ind. 2-4

IMPERIAL MAMMOTH PEKIN Ducks. Eggs for hatching, and ducklings. Our ducks were winners at New York City, December, 1913. C. H. Beebe, Saddle River, New Jersey. 2

MAMMOTH PEKIN DUCKS and Drakes for sale. Baby Ducklings and Hatching Eggs. Peabody Farms, Hinsdale, Ill. 2-6

QUICK MATURING PEKIN ducks. Breeders, eggs, ducklings. Hatch off weekly. L. M. McFarland, Watertown, Wis. 2-4

ROUEN DUCKS of the largest and best quality, grand in shape and color. Eggs, $2.50 per 11. Lick Run Poultry Farm, Carey, Ohio. 2-5

BUFF ORPINGTON DUCKS of quality at bargain prices. Egg orders booked. Chas. Cue, Frankfort, Ind. 2-4

GENUINE WILD MALLARD ducks, domesticated. Stock, $5 per trio. Eggs in season, $2 per twelve. H. Rhody & Son, Royal Center, Ind. 2-4

MAMMOTH PEKINS—Eggs, 10c each, $5 per hundred; 500, $20.00. White "Pigmy" Bantams, 50c setting. Lena E. McKay, Macon, Mo. 2-4

INDIAN RUNNERS and Pekin ducks, stock and eggs reasonable. August W. Schroeder, St. Peter, Ill. 2

C. O. D. SHIPMENT fine large Pekins cheap. White Runners, Fawn Runners, all breeds. Macomb Fanciers' Co., Macomb, Ill. 2

WHITE MUSCOVY, Buff Orpington, English penciled and White Runners. Eggs in season. Write us. Sparling Sisters, Garden Grove, Ia. 2-4

OUR BUFF ORPINGTON DUCKS outlay Runners. Catalog describing our 250 egg female, special matings guaranteed to produce winners at any show on earth; only absolutely pure white egg strain; also complete standard, all free. World's leading breeder. K. K. Welday, Seville, Ohio. 2-4

COOK'S BUFF ORPINGTON DUCKS are again winners at Chicago, St. Louis and Des Moines. Eight 1st, eleven 2nd and four 3d prizes. Special display cup at St. Louis. Will have three grand pens for this season. Stock and eggs for sale. E. H. Cook, Huntley, Ill. 2-4

BUFF ORPINGTON DUCKS. Stock and eggs, breeders and exhibition very reasonable. Harry Rundell, Medina, Ohio. 2-4

BUFF ORPINGTON DUCKS (white eggs) and stock. Chas. Quinn, Monroe, Mich. 2

MUSCOVEY DUCKS. Fine large birds. Write for prices. Mrs. John Paulson, Britt, Iowa. 1-3

SPECIAL SALE—Pure Fawn and White Indian Runner ducks, $1.50 each. 100 eggs, $5. V. M. Bearden, Bloomfield, Iowa. 1-3

BUFF ORPINGTON DUCKS. Pairs, trios or more. Swaim strain. Geo. H. Goyert, Batesville, Ind. 1-3

WHITE RUNNER AND BUFF Orpington Ducks. I am headquarters. Greatest strains on earth. Mart Rahn, R. 20, Clarinda, Iowa. 12-2

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GIANT BRONZE TURKEYS—Prize winners from largest strain in America. Eggs our specialty. Write for descriptive circular giving prizes won. B. F. Morgan, Independence, Ind. 2-4

C. O. D. SHIPMENT fine turkeys, all breeds, special prices, large, healthy. Macomb Fanciers' Co., Macomb, Ill. 2

MAMMOTH BRONZE TURKEYS. Extra good ones cheap. Samuel Elkins, Route 2, Warren, Ind. 2

MAMMOTH BRONZE WINNERS at Madison Square, St. Louis and Chicago; 25 pound cockerel, $6.00; 33 pound, $10.00; sire weight 55, hens 28. Eggs. Lorenz & Co., Springvalley Farm, Perryville, Mo. 1-5

BIG TYPE, FREE RANGE Bronze Turkeys. Eggs, $4, 11. Oak Grove Farm, R. 34, Box A, Peoria, Ill. 2-4

MAMMOTH BRONZE TURKEYS for sale. Sire of birds of 97 to 97¾ point parent stock; female of 96½ to 97½ point parent stock. Also judging and mating. All varieties of standard bred poultry. J. A. Suhling, Princeton, Ind. 1-3

BOURBON RED TURKEYS. Mrs. A. T. Cox, R. 33, Elwood, Ind. 1-3

BEAUTIFUL BOURBON RED turkeys. Toms, $5; hens, $3.50. Mrs. Lewis Stolte, Hannibal, Mo. 1-3

FOR SALE—A TRIO of fine Bronze turkeys. Tom not akin to hens. Price reasonable. Z. C. Bryant, Seaford, N. Y. 1-3

CHOICE WHITE HOLLAND toms, $5; hens, $4. M. E. Blackledge, Oak Dale Farm, Monroe, Iowa. 1-3

FINEST MAMMOTH BRONZE turkeys. Chicago, 1913, won first on cockerel, 2nd on pullet. Guaranteed. N. Perkins, Kevil, Ky. 1-3

GIANT BRONZE TURKEYS. Bred from 45-lb. yearling tom, extra large frame and bone, with beautiful plumage. Bertha Moore, Fremont, Ind. 1-3

MAMMOTH BRONZE TURKEYS very large, good type, and finely marked. E. S. Rosenberger, R. 9, Tiffin, O. 1-3

WHITE HOLLAND TURKEYS, large birds, raised from prize winners. Prices reasonable. Eggs in season. W. A. Smith, Burnt Prairie, Ill. 1-3

MAMMOTH BRONZE, large frame, finely marked, descendants from 50-lb. toms; pullets, $4 up; choice toms, $6 to $8. Eli R. Rosenberger, R. 9, Box 16, Tiffin, Ohio. 1-3

MAMMOTH BRONZE TURKEYS, very large, splendid shape and fine plumage. F. R. Edwards, Prop. Oakdale Farm, R. F. D. 9, Tiffin, O. 12-2

"KENTUCKY THOROUGHBREDS," America's biggest and best Mammoth Bronze Turkeys. Mrs. Robt. Bowles, "The Maples," Kevil, Ky. 12-2

MY CHAMPION BRONZE TURKEYS win for my customers in 25 states. Fine breeding birds. Sired by Son, my 52-lb. champion Tom, $7.50 to $20 each. Ike Hudnalls, Milan, Mo. 12-2

WHITE HOLLAND TURKEYS. 1st cock, 1st cockerel, Indianapolis, 1913. Extra fine White Runners. Satisfaction guaranteed. Ray Bottorff, Cortland, Ind. 12-2

AMERICA'S LEADING WINNERS in Giant Bronze Turkeys and Partridge Plymouth Rocks. See our adv. on page 304. 2-tf

GEESE.

AFRICAN GEESE. Eggs, 35 cents. Dr. Butts, Norwood Park, Ill. 2-4

WHITE EMBDEN GEESE, winners at Missouri state show; birds or breeders. Lorenz & Co., Springvalley Farm, Perryville, Mo. 2

LARGE TOULOUSE GEESE—Mated, not related. Circular. P. R. Pfouts, Bucyrus, O. 2-4

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MAMMOTH BUFF GEESE are largest. Color wonderful. Eggs, stock. Catalog free. K. K. Welday, Seville, Ohio. 2-4

LARGE MAMMOTH TOULOUSE geese. Blue ribbon winners. Eggs, 40 cents each. Fred Scholl, Memphis, Ind. 2-5

SPECIAL SALE Mammoth Toulouse Geese, pair $5. V. M. Bearden, Bloomfield, Iowa. 1-3

TOULOUSE GEESE, very large stock; breeding stock weighing 30 to 40 lbs.; true markings; good layers. F. R. Edwards, Prop. Oakdale Farm, R. F. D. 9, Tiffin, O. 12-2

THREE PRIZE TOULOUSE GEESE and one gander, four years old, $40.00. A. Moritz, Rahway, N. J. 12-2

DUCKS AND GEESE.

STRICTLY WILD AND Domesticated Canadian Wild Geese and Ducks. Guaranteed callers. Write your wants. Yamaska Poultry Farm, St. Hyacinthe, Quebec, Canada. 1-3

CHOICE PEKIN, MUSCOVY and Indian Runner ducks. Toulouse geese. Ed Sweet, Jr., Darien, Wis. 1-3

GUINEAS.

WHITE AFRICAN GUINEAS, $2.50 pair. C. S. Colter, Rock Creek, O. 12-2

PHEASANTS.

PHEASANTS AND WILD WATERFOWL—I have now for sale an exceedingly fine lot of Ring Neck and Mongolian pheasants, also both young and full-plumaged Golden and Silver pheasants, all just right for breeding the coming spring. I also have Wood Ducks, Blue Wing Teal, Pintails, Coots, Gray Calls, Wild Mallards, Canada geese, etc. I am also now booking orders for eggs of several varieties of pheasants and wild ducks for spring and early summer delivery. Make your reservations for eggs now to save disappointment. Write now for prices, information, etc. Wallace Evans, Game Propagating Farm, Oak Park, Ill. 2-4

SILVER, GOLDEN, RINGNECK Pheasant eggs for sale. Place orders now. Prices on application. J. O. Bossmann, Horicon, Wis. 1-5

PHEASANTS ARE PROFITABLE and afford much pleasure. Young and full plumaged stock for sale. 20c for booklet, "The Pheasant Industry." Stamp for prices. Oak Grove Pheasantry, North Manchester, Ind. 1-3

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RUFUS RED BELGIAN hares two dollars each. Does bred four dollars. H. Jackson, Geneva, Ill. 2

GIBSON'S BELGIAN HARES won at Buffalo and Pittsburgh big shows. Prices reasonable. Descriptive circular. J. M. Gibson & Son, West Alexander, Pa. 1-3

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BELGIAN HARES. Highest grade. Prices reasonable. Satisfaction guaranteed. Crescent Farm, Champaign, Ill. 12-2

DO YOU WANT quality in Rufus Red, White and Ermine Hares? J. R. Counihan, Grandview St., Wheeling, W. Va. 3-13-1yr

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PEDIGREED SCOTCH COLLIES, bitches, open and bred; puppies, all ages; catalogue stamp. Failing Poultry Farm, LaFargeville, N. Y. 12-2

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GUINEA PIGS FOR SALE. Sixty cents each. Monona Kennels, 9 East Wilson Street, Madison, Wis. 12-2

ENGLISH GUINEA PIGS. Good money makers. Easily bred. Exhibition and utility stock. Correspondence solicited. Foster Poultry Farm, Dexter, N. Y. 12-2

BOOKLET BREEDING GUINEA PIGS, 15c. Warren Fluck, East Greenville, Pa. 4-13-1yr

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I OFFER GUARANTEED mated Homers in any quantity at $1.00 pair and challenge squab companies or dealers to produce better stock at twice this price. Beautiful White Homers, $1.50 pair. Get my prices on Runts, Carneaux, Maltese Hens and save dollars. Charles A. Gilbert, 346 North American Street, Philadelphia, Pa. 2

"PIGEONS"—the finest pigeon magazine, $1.00 a year, or send 25 cents for four months' trial. Pigeons Magazine, 953 Advertising Bldg., Chicago. 2

26 MONDAIN RUNT crosses; good birds for squab breeding. A. M. Holmes, Monon, Ind. 2-4

WANTED—5,000 COMMON or Homer Pigeons. Pay at least 25c pair. Poultry wanted. D. Gilbert, 1128 Palmer Street, Philadelphia, Pa. 2

MISCELLANEOUS.

OUR INCUBATOR OUTHATCHES all others. Hover raises all chicks. Price smasher catalog free. K. K. Welday, Seville, Ohio. 2-4

KEYS MADE AND SENT to any part of U. S. A. Send old key and 25c. O. C. Call, 323 Orange St., Springfield, Mass. 2

SAVE THE CHICKS. Especially prepared oil for incubators and brooders; no smoke, no smell. Give us a trial. Write today. Shipped in barrels, half barrels and gallon cans. Mutual Sales Company, Warren, Pa. 2

240 EGG INCUBATOR and brooder, set twice, ten-year guarantee. 30 Red Carneaux, Ferris direct Leghorn pullets. Russell Rosenbush, Union City, Ind. 2

MATED CARNEAU PIGEONS for sale or trade. W. B. Roberts, Salem, Ill. 2

THE MAGIC EGG TESTER tells hatchable eggs before incubating. Sold on 1 year trial money back guarantee. Catalog free. K. K. Welday, Seville, O. 2-4

UNLISTED MINING OIL and insurance stocks bought and sold. Send for free list. Box 75, Little Rock, Ark. 1-14-1yr

EGG-SEAL: A RECENT DISCOVERY. This new process forms a thin transparent seal in direct contact with the egg shell, excluding air and moisture; scientifically the correct way to preserve eggs. Seal your eggs and hold for high prices. Correspondence solicited. Egg-Seal Device Co., 311 Marvin Bldg., San Francisco, Cal. 1-3

GRAIN SPROUTER. Instructions how to make, only 50 cents. Regal Partridge Wyandottes, both sexes, $2.00 up. Fred Pilkington, Portland, Mich. 12-2

SAVE YOUR LITTLE CHICKS from white diarrhoea and bowel trouble—guaranteed cure. Agents wanted. H. J. Zentz, Goshen, Ind. 12-2

BROTHER—Accidentally discovered root will cure both tobacco habit and indigestion. Gladly send particulars. John Stokes, Mohawk, Fla. 12-2

FOR SALE.

PRAIRIE STATE COLONY BROODERS, $12.00 each, perfect condition. Original cost $20.00. White Feather Farm, Beverly, N. J. 2

FOR SALE—ONE 390 egg Cyphers incubator and five adaptable hovers, good as new; used only three times; an $80.00 outfit for $45.00. Edw. Longmore, Somers, Wis. 2

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BUFF LEGHORNS—SINGLE COMB, grand, large full buff breeding birds for sale, males and females; great egg producers. Eggs, $1.00 per 15, $5.00 per 110. Geo. C. Schwegman, Richmond, Ind. 2-5

$700 BUYS HOUSE, lot, barn; snap; beautiful home. C. Camp, Mentor, O. 2-4

SACRIFICE PRICES—390 egg Cyphers incubator, new. Simplex brooder stove, like new. International sanitary hover, new. Bargains. R. L. Henry, Germantown, O. 2-4

ANCONAS! SINGLE COMB, grand, large, dark breeding birds for sale, males and females from a great laying strain. Eggs, $1.50 per 15, $7.00 per 110. Geo. C. Schwegman, Richmond, Ind. 2-5

MUST SELL, LEASE EXPIRES—250 Single Comb White Leghorns, St. Louis winners; clover cutter, incubators, bone cutter, Simplex brooder stove. Kruse Poultry Farm, Kirkwood, Mo. 2

FOR SALE—INCUBATOR, at sacrifice prices. Essex Model-Ten 275 and ten 400-egg machines, used one season. Good as new. Jamison Bros., Havre de Grace, Md. 1-3

STANDARD BONE CUTTER No. 0 for sale. Good condition. Brook Hill Farm, Genesee Depot, Wis. 1-3

10,200-EGG NEWTOWN GIANT Incubator, 2,400-egg Candee Incubator, 60 hover Candee brooding system. All only used one season. Bargain to quick buyer. F. B. Thorne, Box 541, Trenton, N. J. 12-2

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MUST SELL CHEAP soon several 600-egg incubators used only one season. Macomb Fanciers' Co., Macomb, Ill. 2

EXCHANGE.

EXCHANGE—WINCHESTER RIFLE, Chester-white pigs, for poultry, pheasants. Lucy Bailey, Albion, Ill. 2-4

POULTRY.

POULTRY BREEDERS AND EGG RAISERS send name and line at once for new poultry directory. No charge for inserting. Poultry Statistics Bureau, Rochester, N. Y. 2-5

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POULTRY AND FRUIT plant near Spokane, high class market. Finest stock, modern equipped buildings, beautiful bungalow. White Leghorn Farm, Valleyford, Wash. 2

10 ACRES—BEST LOCATED poultry and fruit farm within one hour's ride of Chicago. Houses for 600 birds, 1½ acres grapes, abundance of small berries and large fruit. Terms. Address Box X, care American Poultry Journal. 2

C. D. ROSE FARM AGENCY sells farms. Send for list. State and Warren Sts., Trenton, N. J. 1-3

BOOKS.

POULTRY ACCOUNT BOOK and egg record. Horton Green, Dixon, Ill. 1-3

PATENT ATTORNEY.

PATENT YOUR INVENTION—it may make your fortune. Poultry devices a specialty. Booklet free. Lester L. Sargent, 716 Twelfth St., Washington, D. C. 1-4

WANTED.

DAY-OLD CHICKS—Wanted to purchase 2,000 day-old Barred Rocks utility stock for delivery March 20 to April 1. I purchase this number every season so make prices accordingly. J. C. Everett, 8 South Dearborn St., Chicago. 2

WANTED—A MAN TO CARE for poultry and to make himself generally useful. Experience not necessary. Sherman Turrill, Maywood, Ill. 1

WANTED—Poultryman, single; one who understands Cyphers incubators; must have a number of years' experience and come well recommended; for a farm a short distance from Chicago. Permanent position. Apply Superintendent of The "Hub," Chicago, Ill. 2

WANTED—POSITION on poultry plant; practical, experienced. Ernest Robinson, Milford Center, Ohio. 2-3

WANTED—ALL KINDS of pure bred poultry, especially Indian Runners, Polish, White Minorcas, Spanish, Golden and Columbian Wyandottes, Indian Games and Andalusians. Good chance to close in changing breeds. Paul Frehse, Clarinda, Iowa. 2-3

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200 EACH of noteheads, envelopes, cards for $1.75. Illustrated with any standard poultry or stock cuts. Get our free A-1 quality samples before placing your order. We print everything. "Tom" Clark & Co., Michigan City, Ind. 2-4

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ALL THE PRINTING you need for $1.00, postpaid. Samples free. The Fanciers Press, Batavia, Ohio. 2-4

AUSTIN PRINTING COMPANY, Nicholville, N. Y. Makers of Printing that sells your product. Catalogue and samples free. 12-2

THE BEST YET AT THE LOWEST PRICES. Fine printing for poultrymen, for the least money. Large assortment of cuts, etc. Samples and prices free. Breakiron, Printer of Quality, Meadville, Pa. 12-2

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RATES for Illustrated Breeders' Cards: 40-word card, with small sized illustration (to be furnished by us), $2.50 per month for less than one year; $24 per year, payable quarterly in advance. Words in excess of forty, seven cents extra per word per month. Numbers and initials count as words. **Copy for advertisements, plainly written, should reach this office by the 15th of the month preceding date of issue.** In answering these advertisements please mention AMERICAN POULTRY JOURNAL. : : : : : : : : : :



CHAMPION DARK CORNISH, New York and Boston winners. Eggs, $2.50, $5 and $10. S. L. Wyandotte eggs, $1.50, $3, $5. S. C. Reds, Fawn and White Runner Duck eggs, $1, $2.50, $5. English Penciled and White Duck eggs, $2.50, $5. Stock for sale. Write me your wants. J. N. Hazlett, Box 142, Marianna, Pa. 4-13-1yr.



MAMMOTH BRONZE TURKEYS of the better kind. Choice exhibition and breeding birds at reasonable prices. Also choice Barred Rocks. No better stock anywhere. Write today to Miss Sallie Cox, R. 1, New London, Mo. 3-13-1yr



1,071 EGGS A YEAR FROM 5 Single Comb White Leghorns is certified to by Storrs College, Connecticut of my laying champions of the world. Egg champions, not feather. Mating list upon request. sale. F. G. Yost, Sayre, Pa. 5-13-1yr



FIFTY VARIETIES OF FINE THOROUGHBRED POULTRY. Cochins, Brahmas, Langshans, Rocks, Wyandottes, Houdans, Orpingtons, R. I. Reds, Leghorns, Polish, Hamburgs, Spanish, Ducks, Turkeys, Geese, Incubators and Brooders, Large illustrated catalogue mailed for 4c.

C. M. ATWOOD
9-11-3yrs Box A7, Dundee, Minnesota



AT HOOPESTON SHOW, 1912 in strong competition my WHITE ROCKS won all 1st and 2nd premiums. Cup for best 10 birds. Cup for second best 10 birds, all shape and color specials. Exhibition and breeding stock for sale at satisfactory prices. Ralph J. Park, Hoopeston, Ill. 12-13-1yr



CORNISH INDIANS — Twenty-one years my specialty. Madison Square, Boston, Baltimore, Louisville winners. Descendants of imported prize winners. Fine cocks, hens, cockerels, pullets for sale. Write me your wants. You shall have a square deal. T. D. Moore, Hopkinsville, Ky. 12-13-1yr



S. C. REDS, B. P. ROCKS. Cockerels, $2.50 and $5.00; pullets, $2.00 and $4.00; cocks, $5.00; hens, $2.50. Eggs, choice matings, $1.50 and $2.50. Write your wants. Fred G. Keller, Millersport, O. 1-3



S. C. W. LEGHORNS, Young's strain. Can furnish extra choice cockerels, bred from prize winning hens that scored 94 and 94½ and from high scoring cockerel. Eggs for sale from above: Pen 1, $3.00; setting, Pen 2, $2.50; Pen 3, $2.00. My R. C. R. I. Reds are bred from hens that won 1st prize in laying contest which was held in Missouri last winter. Cockerels and eggs for sale. Pullets of above been laying for over six weeks. F. W. Mittag, Lone Rock, Iowa. 1-3



BUFF ROCKS—Single Comb Reds have won their way to distinction at such shows as Illinois State Fair, Peoria, Canton, and Bradford. A fine lot of cockerels and pullets now ready for the early shows. C. P. Scott, R. 36, Peoria, Ill. 10-13-1yr



RED HEN POULTRY YARDS. Single Comb Rhode Island Reds, the kind that win, lay and pay. Winners in the leading shows. We have some cockerels and pullets of quality for early disposal. Satisfaction guaranteed. Red Hen Poultry Yards, Lincoln, Ill. 11-13-1yr



S. C. AND R. C. RHODE ISLAND Red cockerels and pullets at $2.00 each. Eggs for hatching, $1.50 per 15, $2.25 for 30, or $5 per hundred. Satisfaction guaranteed or money refunded. Joe O'Reilly, Custer Park, Ill. 1-14-1yr



BARRED PLYMOUTH ROCKS won at the Coliseum show, Chicago, 2nd cock, 2nd cockerel, 3rd and 5th cockerel bred pullet, 5th cockerel mated pen. Stock all sold. Ask for my egg circular. F. M. Love, Lewistown, Ill. 2-1



SINGLE COMB Rhode Island Reds, superb quality at right prices. Winners at Decatur, Lincoln, Peoria and Havana, 1913. Exhibition cockerels and pullets for sale at right prices. Write me before buying elsewhere. G. P. Gundlach, Lincoln, Ill. 11-13-1yr



BUFF ORPINGTONS of good type and beautiful Golden Buff color, at recent Streator Fair in strong competition we won 2nd cockerel, 2nd pullet and 2nd pen. Do not buy elsewhere until you get our prices. Ben H. Smith, Streator, Ill. 10-13-1yr



BANTAMS, IMPORTED STOCK, Golden Duckwing, Silver Duckwing and Birchen Game, Buff, Black and White Cochins; at the Illinois State Show, 1913, we won six firsts on six entries; also all shape and color specials. Write for prices. Klingbeil Bros., Petersburg, Ill. 10-13-1yr



COLUMBIAN WYANDOTTES and Rocks, Single Comb White Leghorns, Anconas, Blue Orpington and Muscovy Ducks, Fancy Pigeons, Jersey Cattle Berkshire Swine, Southdown Sheep. J. A. Leland, R. No. 1, Springfield, Ill. 2-13-1yr



GAME AND ORNAMENTAL Bantams at prices that will move them; 15 pairs of Buff Cochins at $3.00 to $5.00 per pair. Write quick; order from this advertisement; we guarantee to please you. Sangamon Bantam Yards, Petersburg, Ill. 12-3



S. C. BUFF ORPINGTONS, the large bone, fluffy kind that win, lay, weigh and pay; better birds than ever. Satisfaction assured. A few pullets for sale. Eggs, $2, $3, $5 per setting of 15. A. E. Haney, Gaston, Ind. 1-3



ROSE COMB REDS (Buschmann-Pierce strain). Eggs for hatching from our blue ribbon pens, $2.00 per 15 or $3.50 per 30; utility, $5.00 per 100. Fertility and a square deal guaranteed. Order at once from this ad. Brookside Farm, Albion, Ill. 1-4



CLOSING OUT SALE Single Comb White Leghorns, 10 yearling hens, 30 pullets, 15 cockerels, $75.00 takes them. Order from this advertisement. Satisfaction guaranteed. Clarence Scott, Carrollton, Ill. 1-14-1yr



S. C. W. LEGHORNS only. Line bred for heavy egg production. Stock for sale. Am booking orders for eggs for hatching and chicks for spring delivery. Write for catalog. Satisfaction guaranteed. Polo Leghorn Farm, C. E. Trump, Prop., Polo, Ill. 12-13-1yr



BLACK ORPINGTONS. At the great Illinois State Fair, 1913, my Black Orpingtons won in strong competition, first pullet, third hen, fifth cock and second pen; a fine lot of exhibition and breeding stock for sale at right prices. C. O. McKinney, Bethany, Ill. 1-14-1yr



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ANCONAS, GOLDEN WYANDOTTES, Campines. We still have a few cockerels and pullets for sale; choice birds; booking egg orders now; first come first served. Write us for our new mating list; write today. C. H. Mills & Son, Warren, Ohio. 1-14-1yr



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MY WHITE WYANDOTTE pen No. 20 in Missouri laying contest, 1913, won fourth place, 1,759 eggs. At Arkansas State Fair, 1913, won 4 firsts and 3 seconds and sweepstakes. Eggs from these will start you right. Free circular. S. L. Todd, R. 1, Green Forest, Ark. 3-13-1yr



HANCHETT'S FAMOUS BUFF COCHINS grown for me by Cochin specialist, have furnished Madison Square and other big winners for years. Cockerels, pullets (only the "good ones"), $5 upward. If wanting the best, write, stating wants. H. N. Hanchett, Jackson, Mich. 1-14-tf



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WHITE FACED BLACK SPANISH, bred from imported stock; won all awards at Danville, Jan. 13-17, 1914. Also grand sweepstake cup for best display, all varieties competing. Eggs from specially mated pens, $5 and $3 for 15. I guarantee satisfaction. E. L. Power, 5 E. Voorhees St., Danville, Ill. 2-14-1yr



SINGLE COMB RHODE ISLAND Reds winners at Peoria, Havana, Petersburg and Decatur. Exhibition and utility stock for sale at right prices. Eggs from specially mated pens, $2.00 to $5.00 for 15; write quick; we will only spare a limited number of settings. Mrs. F. P. Stein, R. F. D. No. 3, Petersburg, Ill. 2-14-1yr



SINGLE COMB REDS. Our Single Comb Reds won at Peoria, Ill., Dec. 2-7, 1913; 250 entries in the class; 1st hen, 4th cock. At Wyoming, Ill., Dec. 8-13; 1st, 2nd, 3d cock, 1st, 2nd, 4th, 5th hen, 1st, 2nd pen; exhibition and breeding stock for sale; also some good breeders in White Orpingtons for disposal. Mrs. Elon Steer, Wyoming, Ill. 2-14-1yr



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EGGS FROM LARGE, VIGOROUS bred-to-lay S. C. White Orpingtons. My April pullets started laying in Sept. Direct descendants of blue ribbon stock. Cook-Kellerstrass strains. Eggs, $3.00 per 13. Ferris strain prize winning White Leghorns, $1.50 per 13. Chas. R. Kirchstein, Fairacres Farm, Joliet, Ill. 2-1



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WHITE WYANDOTTES. Rose and Single Comb White Leghorns and Black Javas. Winners at Williamsport, McKeesport, Pittsburg, Greensburg, Beaver and Uniontown, Pa., shows. Order your eggs for hatching now. A square deal to all. James Moffat, Jr., Box 121, East Pittsburgh, Pa. 2-14-1yr



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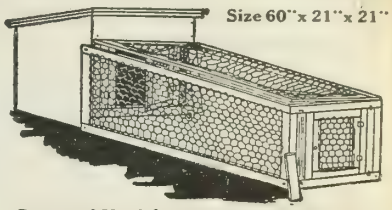
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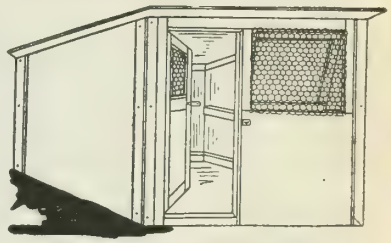
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BARRED ROCKS # STATE CUP WINNERS **S. C. BROWN LEGHORNS**

At Rochester, 1913, My Rocks won the state cup for best cock, hen, cockerel and pullet, with 300 birds in competition; also first young pen and specials. At Buffalo again won display for best cock, hen, cockerel, pullet and pen, 2 shape and 1 color special. At Rochester second show, 1-2 cock, 1-2 hen, 1-2-4 pullet, 2-4-5 cockerel and 1st pen.

In Single Comb Brown Leghorns I am stronger than ever. At Rochester the only time shown this year, 1-3 cock, 1-5 hen, 1-3 cockerel, 1-2 pullet, 1-2 cockerel bred females. A grand lot of birds for sale either variety, old or young—also eggs for hatching. Write me. **L. B. RESSEGUIE, MILLERS, NEW YORK**

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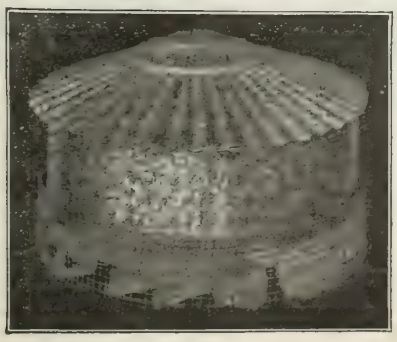
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The "Queen of Missouri" strain win where quality reigns supreme. Exhibition birds of highest quality bred from my New York, Boston, Kansas City and St. Louis winners. At the State Brown Leghorn Club meeting, held at Chicago, December, 1913, I won 2nd pullet bred pen on three entries. Write for prices.

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From KELLERSTRASS, ALDRICH FARM and BYERS mating—they don't come any better. Prices very reasonable. Order now for March delivery. Write today for prices. Satisfaction guaranteed.

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Cole's Buff Plymouth Rocks Win

At the National Club Meeting, Cleveland, Dec. 2-7, 1913—3rd cockerel; 3rd, 4th and 5th cock. **Chicago, Dec. 12-17, 1913**—3rd hen, 1st and 4th cockerel, 1st pullet and 1st pen young, best display and central district cup offered by the club. Demonstrating my ability to produce the quality necessary to win. **Eggs from best matings $5 per 15, $9 per 30. Mating list free.**

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Scranton's S. C. Rhode Island Reds

Chicago—December, 1913, Winners—Cincinnati

First, 3 Hen, Chicago
First, 2, 4, 5 Cock, Cincinnati
First, 2, 3 Pullet, Cincinnati
First, 2 Cockerel, Cincinnati
First, 2 Old Pen, Cincinnati
First, 3 Young Pen, Cincinnati
Second, 3, 4 Hen, Cincinnati
Second, 3 Cock, Chicago
Second, 3, 4 Cockerel, Chicago
Second, 5 Old Pen, Chicago
Fourth, Young Pen, Chicago

At the Chicago Coliseum Show, December, 1913

I won on three entries **second, third and fourth cockerel** in a class of **105** cockerels—the largest class ever staged—winning more points on male birds than all competitors combined. Can furnish show birds or breeding stock of **highest quality.** My matings this season will be the best **ever.** Tell me your troubles. Mating list Feb. 1.

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Are Known for Their Long Continued First Prize Record at Madison Square Garden Shows.

For 24 years Our Strain, including Birds we Bred and Raised Shown by Customers, has held the lead by Winning as many First Prizes on Cockerels as any Exhibitor; Also More First Prizes on Breeding Pens; 11 per cent More First Prizes on Males: 66⅔ per cent More First Prizes on Cock Birds than any other exhibitor has won on Any stock during that time.

Pullet Breeders. A Grand Lot of Extra Fine Males Brothers to some of the Best Females We Ever Saw. They are out of Superior Show Hens and have the quality for giving satisfaction to whoever breeds from them. Also **Females** to Match Them for Certain Results. **We never had a better lot of birds from which to select.**

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We look for our customers wants and send birds to suit. Prices Right too. With our Record of Sales and with Several Different Families of our own birds from which to select we are enabled to furnish suitable Fresh Blood to all of our patrons as needed.

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Eclipse all former achievements and win the most brilliant record of their time at Madison Square Garden, New York, this Winter of 1914, winning as follows:



ALL RIBBONS ON COCKERELS, namely, first, second, third, fourth and fifth prizes.

First and fourth on Cocks.

First, second and fourth on Exhibition Pens.

The Imperial prize of the show, Sweepstakes Special for Champion Male.

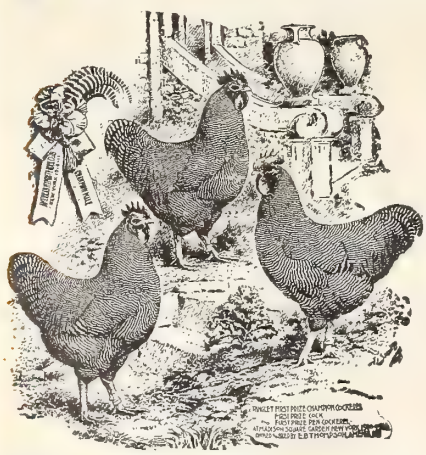
Medallion for Champion Cockerel.

Diploma presented by the American Poultry Association for Best Cockerel.

Spec'l for Best Shaped Male.

Spec'l for Best Colored Male.





"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York.

Silver Cup for Best Plymouth Rock hatched in 1913, male or female, any variety.

Specials presented by the President of the American Barred Rock Club for Best Cockerel and Best Pullet.

Three Best Cockerels; Best Display; Best Collection.

Silver Cup presented by the New York Sun for best Cock, Hen, Cockerel, Pullet and Pen.

Sweepstakes Silver Cup for Best Exhibition Pen.

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All Silver Cups and Cash Specials.

Three times as many first Prizes as any Barred Rock Exhibitor.

More First, Regular and Special Prizes than any Exhibitor of any breed.

My exhibit was the most illustrious ever presented to the world —every winning feather was bred on my farm.

The amazing record of **1st, 2nd, 3rd, 4th and 5th prizes** on Cockerels—every Regular and Special Prize offered—stands unmatched in the history of Madison Square Garden. It is unequalled. These cockerels and hundreds of their brothers on my farm are beyond comparison—they are the Finest in the World.

If you want to win and breed winners you must have my Imperial "Ringlets."

They are the standard by which all other Barred Rocks are judged. See my ad. on page 294 for my remarkable record of one year ago at New York. These great twin records, two years in succession, spell **Imperial "Ringlet" Supremacy.**

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EGGS from the finest exhibition matings in the world $10 per setting: four settings, $35; 100 eggs $60.

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Poultrymen are of one opinion when it comes to the question of Poultry Profits. Almost without exception they will tell you **"the profit is in the eggs!"**

—and SHEPPARD'S famous "ANCONAS" have challenged the world for egg production.

G. W. Idle writes, "Pullets hatched from eggs purchased from you have laid an average of **256 eggs each** for entire flock for year."

"Going some"—but ANCONAS have the wonderful trapnested record of 270.

Don't that sound like **profits** to you?



They are beautiful fowls from a fancier's standpoint, and as a utility fowl the "ANCONAS" cannot be equalled.

You are in the Poultry business for all the **profit** there is in it, and no matter how you look at it, the "ANCONAS" lead.

They are hardy, prolific, not inclined to set, are the **greatest layers the world has known,** and they always present a clean, well groomed appearance.

Don't you think it would be a good idea to raise the most profitable fowls on the market?

ANCONA Pullets lay as early as 4½ months—they lay large white eggs—they require **less food, less floor space,** and are busy laying, when the heavy fowl is setting.

Wouldn't it be a good idea to have complete information on this profit making strain? Tear out the corner and mail it quick for your copy of my catalog and mating list.

H. Cecil Sheppard, Berea, Ohio.

I would like complete information on Sheppard's famous "ANCONAS" —the "World's Best."

Very truly,

Name_____

Address_____

H. Cecil Sheppard

Box M-2 - - Berea, Ohio

F. E. Harrison's Champion S. C. Rhode Island Reds

have for years demonstrated that they are the one strain that stands out ahead of all others.

At Chicago, 1913-1914, Royal Reds won in the largest class ever shown, forty-nine exhibitors showing a total of 270 birds, and in the largest class of Cockerels ever shown in America (106) as follows: 1st and 4th Cock; 2nd and 5th Hen; 1st and 5th Cockerel; 1st, 2nd, 3d and 4th Pullet; 1st and 3d Old Pen and 1st and 5th Young Pen; every color special; every shape special; every championship; elegant watch offered by the Association for the best display, and the Western Rhode Island Red Club of America Cup offered by the Club, both Rose and Single Combs competing.



Bred, Owned and Exhibited by F. E. Harrison

NOTE THIS: I am the only exhibitor that has won in all six classes in one showing. Twice have I accomplished this feat.

Twice have Royal Reds exhibited personally by me won 87 points on best display at the great Coliseum Show of Chicago. No other exhibitor has ever won this number of points before. Therefore, Royal Reds have the distinction of on two different occasions winning the greatest number of points ever given at Chicago.

More facts of this world's greatest show of Chicago are as follows: At Chicago I have won twice as many first prizes on Old Pens as all other exhibitors combined. Twice as many first prizes on young pens as any other competitor. Twice as many first prizes on cock birds as any competitor, and more points on cock birds at the last two shows than all other exhibitors combined.

I have won more places on Cockerels at Chicago the past four years than any other competitor, and hold the world's record for winning 1st Cockerel in the largest class ever shown in America.

VERY IMPORTANT: I have won more points on males (Cockerels and Cocks), on hens, pullets and pens, at the last two Chicago Shows than any other competitor. Therefore, Royal Reds outclass all others in winning the largest number on males, females and pens than any others.

NOTE THIS: I have won three times as many points on pullets at Chicago in the past two years than seventy-two competitors combined.

At Chicago, 1912-13, I won 1st, 3d and 4th Cock; 2nd and 3d Hen; 4th Cockerel; 1st, 2nd and 3d Pullet; 1st and 2nd Old Pen and 1st Young Pen.

To think of a world's record is to think of Royal Reds.

I have every first prize (eight in number) winning males from the last two Chicago Shows.

My egg offer is the best opportunity in all America to start in Single Comb Reds.

2,000 head of Cocks, Cockerels, Hens and Pullets, Trios and Pens for sale, rich in the blood of these Chicago winners.

Catalogue free, describing best pens ever put together.

F. E. Harrison

Box 30, Menominee, Michigan

Halbach's White Rocks

Never in the history of Poultry Exhibitions has any strain made such wonderful wins. They hold the world's record by capturing best **Display** at **Chicago** five times. At the

Great Mid-West Coliseum Show, Chicago, Illinois

America's Greatest Exhibition

in a class of 140 White Rocks—the best ever got together, they made the marvelous winning of

1-2-3-4 Cock (4 entered) **1-2-3 Old Pen (3 entered)** **1-2-4 Pullet (4 entered)**
1-2-3-4 Hen (4 entered) **1-2-3-4 Cockerel (4 entered)** **1-2-3 Young Pen (3 entered)**

45 out of 46 birds placed in winning. A grand total of 153 points out of a possible 157.
This is an astonishing win but not as astonishing as the undreamed of quality of the birds that made the winning. It was a revelation in perfection of type, pureness of plumage and was the wonderment of all.
Hundreds of show birds that will win, at $25 to $100 each. Breeding pens perfectly mated and from these winners, at $25 to $75.00. Get started with this quality. Utility females, $2.00 each. No matter what you want I have it. Send your order.

Place your order today for eggs from my unapproached matings, at $12.00 per setting. Utility eggs $10.00 per 100. Catalogue 10 cents. Mating list free. Mention American Poultry Journal.

H. W. Halbach **R. R. 1** **Waterford, Wis.**



Unretouched First Springfield Cockerel



BUCKEYES

Breed the One Breed with All of the Practical Qualities
The World's Greatest All-Purpose Breed of Fowls

I have shown my BUCKEYES at Fifteen of America's Greatest and Largest Poultry Shows this season, winning an almost perfect Chain of Victories from New Orleans through to Boston, showing at New Orleans, Miss. State Fair, Little Rock, Ark., Memphis, Birmingham, Indianapolis, St. Louis, Kansas City, Mo. State Show, Cincinnati, Cleveland, Chicago, Madison Square Garden, Boston, etc., winning more than 150 regular and special ribbons. I won 3rd, 4th and 5th Boston pullets and bought the 1st, 2nd and 6th Boston pullets, so have in my yards now ALL the Boston Buckeye pullets, 1-2-3 Madison Square Garden pullets, 1-3-4-5 Chicago pullets, 1-2-3 St. Louis pullets, 1-2-3 Cincinnati pullets, 1-2-3 Kansas City pullets, 1-2-3 Mo State pullets, 1-2 Indianapolis pullets, 1-2 Birmingham pullets, 1-2-3 New Orleans pullets, 1-2-3-4 Little Rock pullets, 1-2-3-4-5 Miss. State Fair pullets, several other First prize pullets, including two First Canadian pullets, also more than forty prize-winning hens. My pens are all headed with cocks or cockerels that have won one or more First prizes at National Shows. Write for my handsome Illustrated Booklet showing many pictures from life of these grand birds—sent free to any address. Yours for BUCKEYES.

ELTON C. MAHON BUCKEYE Specialist **Norwood, Tenn., U. S. A.**

State Vice-President American Buckeye Club, First Vice-President West Tennessee Poultry Assn., Life Member American Poultry Assn.

Please read big three combination offer on page 409

Know Your Hens on Sight

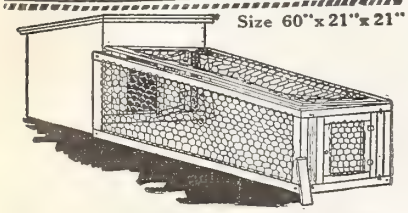
Successful breeding depends upon knowing your fowls at sight. The

SPIR-O-LEG TRADE MARK **LEG BANDS**



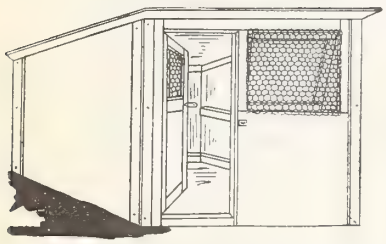
Are made in six colors and give you 120 combinations. They are indestructable and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address. Retail prices—25c a dozen, 50c for 25, 85c for 50; $1.50 for 100. Pigeon and baby chick bands, 20c a dozen, 25 for 35c, 50 for 60c, 100 for $1.

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Size 60"x 21"x 21"

Coop and Yard for Hens and Chickens, $2



6 ft. x 8 ft. PORTABLE HOUSE, $15.00

Portable and Colony Houses, Oat Sprouters, Shipping and Training Coops, Trap Nests, Grain Chests, etc. Write for free booklet showing 20 different cuts.

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MAKE HENS LAY

By feeding raw bone. Its egg-producing value is four times that of grain. Eggs, more fertile, chicks more vigorous, broilers earlier, fowls heavier profits larger.



MANN'S LATEST MODEL Bone Cutter

Cuts all bone with adhering meat and gristle. Never clogs. **10 Days' Free Trial.** No money in advance.

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was selected by the United States Government experts for use on the Panama Canal work.

For sale by leading lumber and hardware dealers. Write for name of dealer near you.

BIRD & SON, Est. 1795, **546 Neponset St., E. Walpole, Mass.**
(F. W. BIRD & SON) New York, Chicago, Washington, Portland, Ore.

Spray the Hen House

IT PAYS

Whitewash and disinfectant sprayed banishes lice, keeps hens healthy.

BROWN'S AUTO SPRAY does the work of 3 ordinary sprayers; 40 styles and sizes. Write for Free Catalog.

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in each town to ride and exhibit sample 1914 bicycle. *Write for special offer.*

Finest Guaranteed 1914 Models $10 to $27

with Coaster Brakes & Puncture-Proof tires.

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100 Second-Hand Wheels All makes and models, good as new $3 to $8

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We ***Ship on Approval*** *without a cent deposit, pay the freight,* and allow

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TIRES, coaster brake rear wheels, lamps, sundries, parts and repairs for all makes of bicycles *at half usual prices.* **DO NOT BUY** until you get our catalogues and offer. *Write now.*

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World's Foremost White Wyandottes

REMEMBER—My White Wyandottes have been the most prominent winners in the leading shows for over 15 YEARS and many owe their success to my strain, while I have won many first and second prizes, cups and specials at New York, World's Fair and other shows, past year won the $25.00 cash special for best display, offered by the Massachusetts State Board of Agriculture.

One of my patrons has been a most noted winner at **Chicago** for three years, another the past three years won the lion's share at **Indianapolis** and **Pittsburg, Pa.**; another won more last year than all others and again this year made a big win against several noted breeders at **Dallas, Tex.**; one won three firsts and several other prizes at **Toronto, Ont.**, with birds bought from me; another won the $100 Challenge cup for best display, and at **Ottawa, Ont.**, my birds have been the most prominent winners many times. One patron writes, cockerel I sold **won 1st at Youngstown, Ohio, also A. P. A. medal for best male in show,** and did the same as cock; another writes, "the cockerel you sold me won 1st as cock at **Minnesota State Fair** and 1st cock at **Minneapolis** show." At **Detroit** my patrons have been the most prominent winners and at recent show winning more than all others combined. At **Baltimore, Washington, D. C.**, and many other shows my strain have been the prominent winners. Now, I have letters on file to prove these claims, and my circular will give names and dates in full. Send for it, **free.**

I will sell Eggs from a limited number of special matings at $5.00 per setting, 50 Eggs $15.00. All stock purchased can be returned at my expense if not satisfactory, conditions under which I have sold all my stock, and have shipped to all parts of the world.

J. H. JACKSON Lock Box 88 Hudson, Mass.

P. S. Farm raised, in open front coops; bred with an eye for vigor and great laying as well as Standard points.

WHITE WYANDOTTES

Again we win at Philadelphia, December, 1913, 1st and 5th prize Pens, 2nd prize Cockerel and 5th Hen and Silver Cup for best display. We were showing against 29 exhibitors. At Philadelphia, December, 1912, we won 1st prize Cockerel and 3rd Pen.

SEND FOR FREE CATALOGUE. Our birds are big winter layers. Eggs from Philadelphia winners, $5.00 per 15; $8.00 per 30; $10.00 per 45. Other prize pens, $3.00 per 15; $5.00 per 30. Utility, $2.00 per 15; $8.00 per 100. Baby Chicks, $8.00 per 50; $15.00 per 100

CARR BROS., Celtic Poultry Farm, Box R, VINELAND, NEW JERSEY

THE WORLD'S BEST

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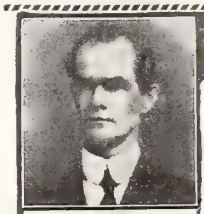
Win
in c

25 Pens Mated for the Egg Trade

Headed by these and other winners, birds of grand type, even Golden Buff to the skin, and fine head points. These pens will also contain many prize winning females. Mating list free on application.

Roseland Poultry Farm

Chas. W. Switzer, Prop. South Euclid, Ohio



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America's Foremost Poultry Authority

Prest. America's School of Poultry Husbandry. Direc. Mo. Poultry Ex. Sta. and World's Laying Contests, etc., etc.

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Eggs, Chicks, Ducklings

S. C. White Leghorns — **White Indian Runner Ducks**
Imperial Pekin Ducks — **Rouen Ducks**

Excellent Laying Leghorns and Pullets for sale. Write for Catalogue.

OUR DUCKS ARE WINNERS AT PHILADELPHIA & BALTIMORE SHOWS, ALLENTOWN AND HAGERSTOWN FAIRS.

Pen-y-Bryn Farm Box A-336 Ambler, Pennsylvania

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Two Headliners in the Poultry World

Tecktonius-Reed Strains

R. C. S. C. **BUFF LEGHORNS** S. C. **RHODE ISLAND REDS**

Now Under Same Management



The fame of "Tecktonius" Buffs—America's Champion exhibition and laying fowl—is world wide. Big exhibition prizes, everywhere, at their mercy—not once, but for 7 consecutive years. Their laying record, as well, is as long and brilliant, with 249½ average in 1912 Nat'l Laying Contest—one bird, 281 high. "Tecktonius" Buffs build "winning" reputations, and make "big money" for poultrymen. Put your trust in them and be a "winner" as a poultryman.

Take note of **Reed's S. C. R. I. Reds** the coming champions of 'Reddom'. This **unrivaled strain of Reds** is the outcome of 7 years efforts of B. C. Reed—one of the most—if not the most—scientific and successful breeding and mating expert this country has ever known. Mr. Tecktonius, recognizing Mr. Reed's extraordinary breeding ability and the almost **perfect strain of Reds he has** evolved, has enlisted Mr. Reed's cooperation and henceforth these 2 breeding geniuses will work hand in hand for the advancement of these two grand strains.

Some Unrivaled Tecktonius Strain Bargains

S. C. Matings—Pens 1 to 6 inclusive, one 15-egg setting, $10; two, $18, three, $25.
Random Selection—If selected from one pen in which price rules, $5 per setting, extra. Pens 7 to 10 inclusive, one setting, $5; two, $9; four, $15. Pens 11 to 14, inclusive, $2 per setting; $10 for one hundred.
R. C. Matings—Pens 15 and 16, one setting, $15; two, $25.
S. C. Utility Stock—Hens, $2; Cockerels, $3 and $5; trios and pens, $10 and $15.
Exhibition Stock—Hens, $5; Cockerels, $15 and $25; trios and pens, $25 to $50.

No Chicks of Either Variety For Sale. Mating List Free.

Special Introductory Offer—Reed's Strain S. C. R. I. Reds

We have mated 6 pens of these Royal Bred birds—the cream of 565—comprising 2 Cocks, 4 Cockerels, 20 Hens and 40 Pullets. Everyone is a marvel of breeding with exquisite, rich even Red Color, and with absolutely no contrast between hackle, back and sickle feathers. The tail and wing markings are as near perfection, as scientific breeding can make them. Both male and female types come up to standard requirements, and well over standard in breeding weight. From all pens above described we will sell eggs as follows: One 15-egg setting, $5; two, $9; four, $15; per one hundred, $25.

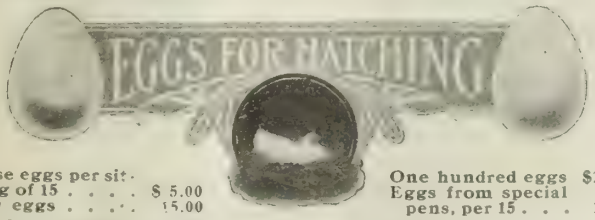
No Stock For Sale Until Fall. No Chicks For Sale.

TECKTONIUS & REED BUFF & RED FARM Route 7 Racine, Wisconsin

START RIGHT GET THE VERY BEST—THEY COST NO MORE THAN OTHERS

Rudy's Perfection Strain
White Wyandottes

20 pens mated, each one headed by one of those famous broad backed, deep bodied, well spread tailed Perfection Wyandottes.

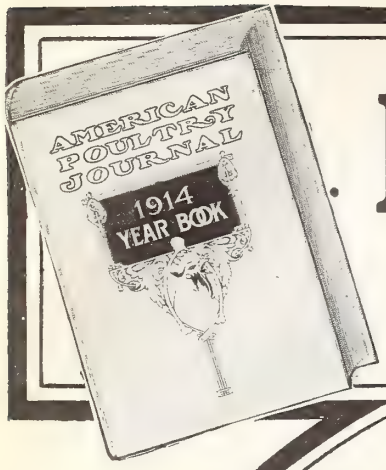


These eggs per sitting of 15 . . . . $ 5.00
Fifty eggs 15.00
One hundred eggs $25.00
Eggs from special pens, per 15 . . . 10.00

All of my exhibition stock is hatched from these 20 pens. I replace all infertile eggs returned to me before 14 days. Write for mating list.

GEO. H. RUDY Route 15 Mattoon, Illinois

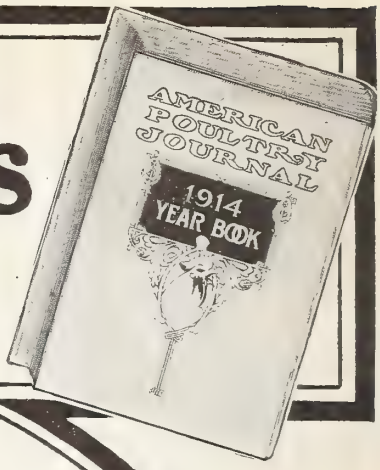




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It is the one book that no raiser of poultry can afford to omit from his library

SEND IN YOUR ORDER TODAY. PAPER BOUND, 50c. CLOTH BOUND, $1.00

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First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

55 Out of a Possible 76 Firsts

At Madison Square Garden, New York, Boston, Pittsburgh, Greater New York Fair and Exposition and Memphis This Year Were Awarded

OWEN FARMS'

BUFF ORPINGTONS
WHITE ORPINGTONS
WHITE PLYMOUTH ROCKS
WHITE WYANDOTTES and
S. C. RHODE ISLAND REDS

Several other **Firsts** went on birds of **Owen Farms' Strains.**

This wonderful percentage of **Firsts** at **America's Leading Shows** is merely a repetition of past years, and **Owen Farms' Records** at the shows where **real competition** is found stand alone and unequaled.

OUR CUSTOMERS ARE TODAY OUR LEADING COMPETITORS AND WE ARE GLAD TO SHARE THE HONORS WITH THEM

Every variety line bred for from nine to twenty years and no strains of recent origin can possibly have the producing value of the established flocks on Owen Farms. Weigh carefully every statement you read and comparison will show you the pre-eminence of my flocks.

You may win without these bloodlines, but you will find it practically impossible if your competitor meets you with Owen Farms Birds.

AS UTILITY BIRDS

These flocks each year have proven their exceptional merit. Wonderful reports of high average egg yields come in from customers. One customer has reported 262 eggs laid in 290 consecutive days by a pullet bought of us, and many other reports are almost as good.

My flocks have perfect health, size, bone, substance and bodies with tremendous egg capacity. **Treat them well and they will do the rest.**

1914 MATINGS

Of all varieties are the best ever made on Owen Farms. My customers for **eggs for hatching** or **baby chicks** will receive remarkable value this year, as eggs and baby chicks have never been sold from birds of equal quality at prices approaching those I am making for 1914. Many orders are already booked and **early booking insures delivery at exact time you want them.**

Eggs from Best Matings in the World
All Varieties.
$10.00 for 15. $30.00 for 50.
$50.00 for 100.

Eggs from Choice Matings
Better than most sold at higher prices.
All Varieties.
$5.00 for 15. $15.00 for 50.
$25.00 for 100.

Baby Chicks from these Matings
$1.50 each in lots of 20 or more at one time.

Baby Chicks from these Matings
50c each in lots of 20 or more at one time.

My **Illustrated Catalogue** gives the History of the wonderful Owen Farms and the Owen Farms' flocks.

My 1914 **Mating List** describes the **Finest Matings in Existence** of my varieties.

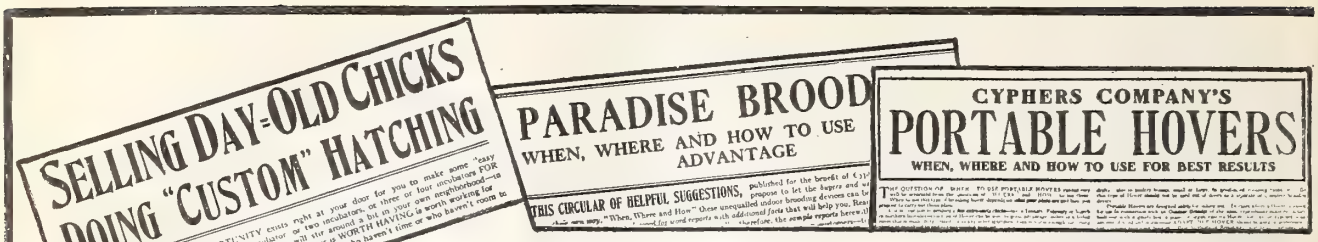
A few grand Breeding Pens for Utility or Exhibition Breeding at prices you will gladly pay. State your exact requirements in your inquiry and, if possible, how much you wish to invest.

I want your order, and **Remember**, your **Absolute, Ultimate Satisfaction** means my **Permanent Success.**

MAURICE F. DELANO

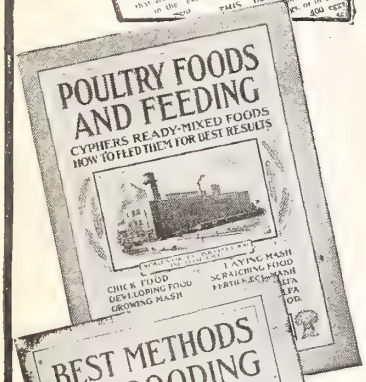
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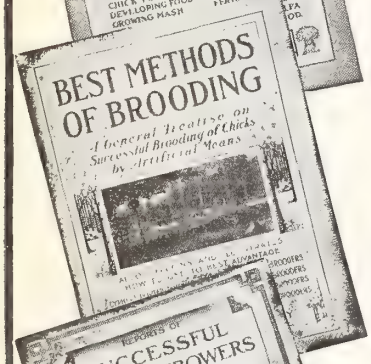
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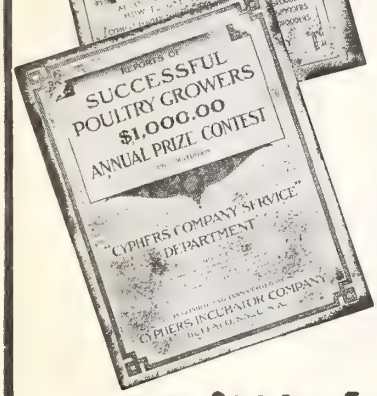


Sell Day-Old Chickens

Did You Know, Reader, that by your personal efforts you CAN EARN one, two or three Standard Cyphers Incubators within the next six to twelve weeks? It is a fact that you CAN DO THIS—can do it in your own neighborhood, right in your OWN HOME. Our latest FREE booklet, "Selling Day-old Chicks and Doing Custom Hatching," tells you how, with full particulars. Moreover, while you are EARNING your own incubator, or two or three of them, you can hatch a good-sized flock of big, healthy, vigorous chicks FOR YOURSELF. Please read on this page and the opposite page "sample reports" of what MANY OTHER Cyphers Company customers are now doing (both men and women) in this line of profitable work. The FREE BOOKLET here mentioned tells all about it and will be mailed POSTPAID, on request, to any address.







WHAT OTHERS ARE DOING

"Have Not Been Able to Supply Demand"

Elcho, Wis., July 18, 1913.

Cyphers Incubator Co., Buffalo, N. Y.

I have had another successful year and I believe I made a record for shipping day-old chicks. Of the **thousands shipped by me** to points as far distant as Maryland and Colorado, only two were reported as dying on the way. I consider one of the most important contributing aids to my success to be your make of incubators. To have **strong, vigorous chicks** you must have these qualities in the parent stock and then must use correct hatching and brooding appliances. I have used Cyphers Incubators for years and know that **the chicks hatched in them are larger and stronger** than those hatched in cheap machines.

Here at home I raised over 3,000 chicks this past spring on Cyphers brand foods and **did not lose one from bowel trouble.** Your new "Portable" Self-regulating Hover also fills a long-felt want with me. Shall want more of your incubators and hovers next spring, as **I have greatly enlarged my plant,** especially to take care of the day-old chick trade. With many people this now seems to be the popular way to get small lots of chicks, ranging from fifty chicks up to several hundred and **I have not been able to supply the demand.**

Top Notch Poultry Farm
R. P. Guptill, Proprietor.

He Hatched Last Spring 4,035 Chicks

Mt. Joy, Pa., July 21, 1913.

Cyphers Incubator Co., Buffalo, N. Y.

Am pleased to send you a report of the success I had this spring with your incubators in **my day-old chick business,** which was just as good as last spring. I hatched out of your machines this spring 4,035 chicks **and have had good reports from all I sold.** As you know, I have three of your incubators, a 60-egg size, two 244-egg machines and one of your No. 3 incubators that holds 390 to 400 eggs. Here are this year's hatches: No. 3 machine, first hatch, 292 chicks out of 320 fertile eggs; next hatch, 377 chicks out of 389 fertile eggs; third hatch, 348 chicks out of 362 fertile eggs. Out of the 244-egg machine this spring I got, first hatch, 232 chicks out of 237 fertile eggs; next hatch, 226 chicks out of 234 fertile eggs; last hatch 207 chicks out out of 216 fertile eggs. And out of the 60-egg machine I had, first hatch, 58 chicks out of 58 fertile eggs; second hatch, 56 chicks out of 57 fertile eggs.

I know better **than to experiment** as long as I can get your incubators, your brooders and your chicken feeds. NEWPHER SMELTZER.



The Genuine Cyphers Incubator Latest Improved— ***Dependable***

Insurable We ask careful, prudent persons to keep in mind the important fact that EVERY Cyphers Incubator, lamp-heated and electric, also EVERY Cyphers Brooder, equipped with an Adaptable Hover, is fire-proof, is insurable and bears the OFFICIAL INSPECTION LABEL of the expert engineers of the National Board of Fire Underwriters. DEMAND THESE LABELS! Why take chances? Do not get into trouble, nor be "fooled" by false or misleading claims. The OFFICIAL BRASS LABELS are the proof! See that they are on the incubators you buy. It is easy for some manufacturers to "make claims," but it takes a truly fire-proofed incubator to SECURE THE LABELS.

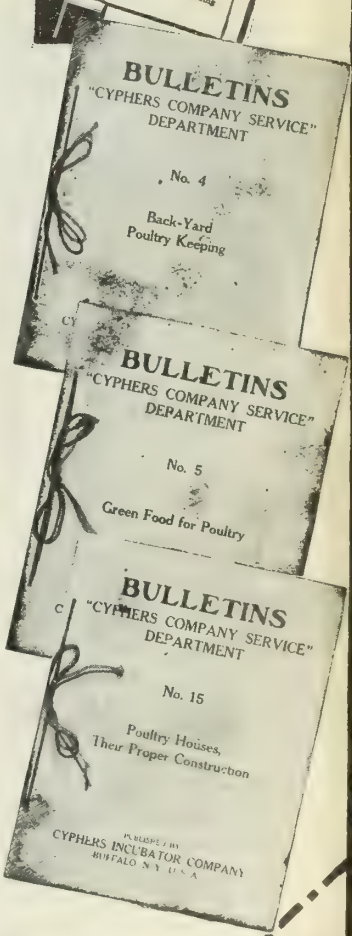
Cyphers Incubator Co.

Department 30 **Buffalo, N. Y.**



Do "Custom" Hatching

Every Spring Season many Cyphers Company customers make large profits, and SAFE profits, by the ready sale of day-old chicks, and by doing "custom" hatching for friends and neighbors. What others HAVE DONE and are NOW DOING, you also can do, Reader, and our FREE PRINTED MATTER tells you how—tells you all you need to know about this splendid country-wide opportunity and tells it in a MORE HELPFUL MANNER than you can find the same reliable, detailed information anywhere else. To be able to SUCCEED WELL in your poultry work you need—you must have—a safe PLAN, correct RULES, trustworthy ADVICE and the RIGHT TOOLS with which to do the work. Cyphers Incubator Company is in a position to supply you with ALL THESE ESSENTIALS and we ask the privilege of doing so—and of doing it NOW.



—YOU LIKEWISE CAN DO

1,700 Chicks "Mostly for Other People."

P.O. Box 635, San Marcos, Texas, June 29, 1913.

Cyphers Incubator Co., Buffalo, N. Y.

Have just wound up another successful year with Cyphers Incubators. From March 4th until May 1st, I hatched 1,700 chickens, **mostly for other people.** I am the only person in San Marcos who owns Cyphers Incubators, and my neighbors have come to believe that **an egg that cannot be hatched in a Cyphers cannot be hatched at all.** As for me, I am confident of this. **They not only hatch the most chickens,** but the **largest and liveliest ones, too.**

I set two Cyphers machines right along side by side with a ———, ——— and a ———. Not only are the Cyphers Incubators the easiest to operate, but I get the **largest hatches** from them and the **strongest and most vigorous chicks.** My No. 1 Cyphers was bought late in the season, second-hand, and I only set it once, as the hatching season was about over, but got 99 chicks out of 100 fertile eggs **and I raised every chick.** So far as my knowledge goes, no incubator, other than the Cyphers, hatches such strong, healthy chicks. Those hatched by me in the other machines have **died in large numbers** during the first week, although they had the same treatment.

MRS. LOUIS ARMSTRONG.

Mrs. Wright Sold Over 30,000 Chicks

So. Easton, Mass., July 14, 1913.

Cyphers Incubator Co., Buffalo, N. Y.

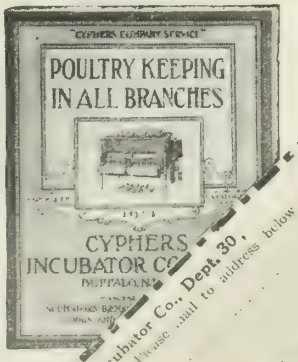
Three years ago I commenced hatching with one 390-egg capacity Standard Cyphers Incubator, and **now I have ten (10) of your machines;** two of them are of quite old design, having been made about ten years ago. All of the machines are well built and apparently will last indefinitely. Even the oldest machines are **practically as good as new** in every way.

From my experience I have found that there is **no other make of incubators that will produce the same satisfactory results** as will the Standard Cyphers. The system of regulating the machines, supplying ventilation and moisture, **produces large, vigorous chicks, that live and thrive** and develop into fine, large, healthy fowls. This season I have **hatched and sold more than 30,000 chicks,** and everyone who has received shipments from me has said that the chicks were fine and healthy in every way.

I breed Barred Rocks, Light Brahmas and Rhode Island Reds, and **have worked up a large business** in supplying day-old chicks from these popular varieties. I can hatch the chickens from these breeds so that **they look like chickens a week old, when only one day old** and that is why everybody likes them.

(Mrs.) A. M. WRIGHT.

Free to All Every piece of printed matter shown in this advertisement is FREE FOR THE ASKING (except 10 cts. in stamps for mailing Prize Contest Book) and our word for it, Reader, these booklets, large-sized circulars, sample bulletins and our big, 244-page, 1914 catalogue contain more down-to-the-minute, MONEY-MAKING, LABOR-SAVING information and suggestions than you can BUY ANYWHERE for a ten dollar bill. TEST OUR CLAIM by sending today—right NOW, for copies of those you have not yet received. REMEMBER that we have SIX PLACES OF BUSINESS in the United States and therefore can save you valuable time and freight charges. Address your letters and send ALL ORDERS to our place of business nearest you.



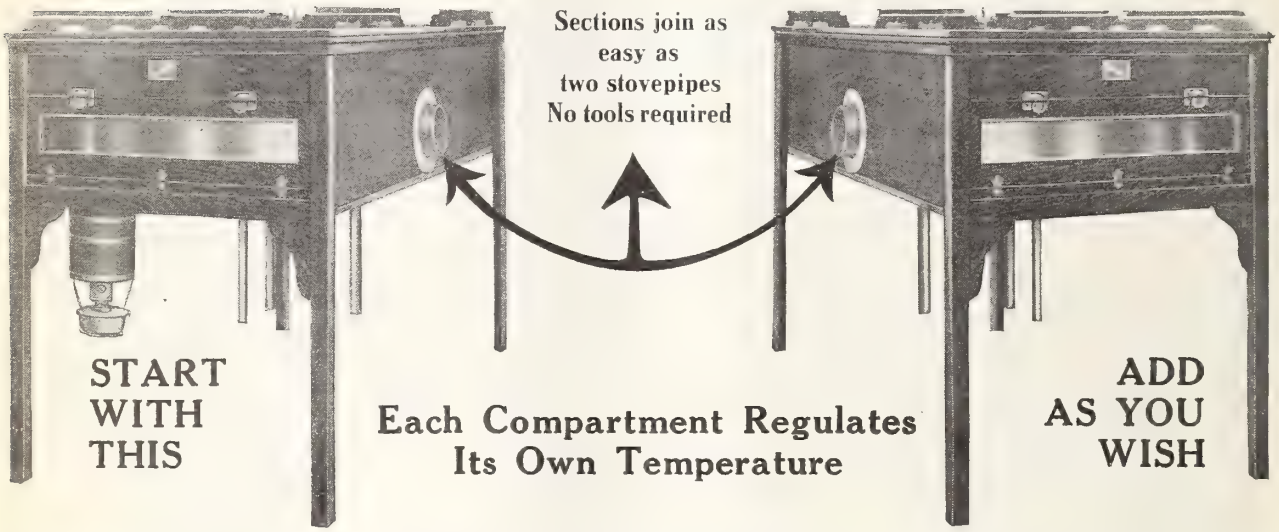
Cyphers Incubator Co., Dept. 30, Buffalo, N. Y.
Please mail to address below copies of free printed matter as follows:
.....
.....
.....
.....
.....
.....
.....
As a result of this request, $1,000.00 Prize Contest Book (if Check Box is marked) and 10c in Stamps inclosed.
Name .....
Address .....

Branch Stores and Warehouses:

New York, N. Y., 41 Barclay St.
Boston, Mass., 12-14 Canal St.
Chicago, Ill., 329-331 Plymouth Ct.
Kansas City, Mo., 317-319 Southwest Blvd.
Oakland, Cal., 2127 Broadway
London, Eng., 121-123 Finsbury Pvmt.

Have You Seen Our Catalogue?

It explains the Schwalge System of Hot Air Mammoth Incubator Sections. It will show you the most practical modern method of incubation. It demonstrates how the Schwalge Hot Air Mammoth has solved the Puzzle.



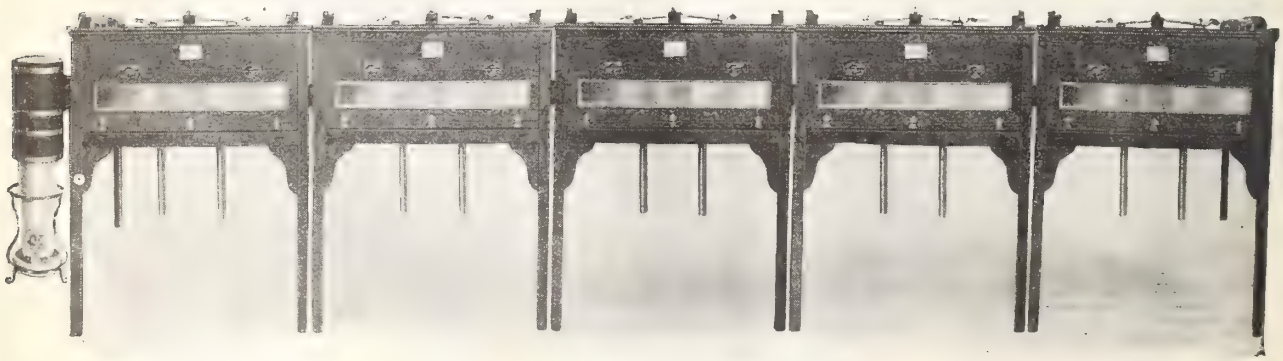
SCHWALGE'S HOT AIR MAMMOTH INCUBATOR is the only sectional machine on the market, which permits you to start small and increase as your business requires—and the additional sections can be easily added without disturbing the hatch. You simply join the pipes which extend from the end of each section—no tools required. Each machine is operated independently and the temperature of each section is under independent control. No coal to shovel or ashes to handle.

We have taken every precaution to produce an incubator of the highest grade of material and very best workmanship.

This machine has been thoroughly tested and tried in the experimental stage and one of them hatched over 5,000 duck eggs last season.

FOR FURTHER PARTICULARS SEND FOR CATALOG "A"

SCHWALGE BROS. & SMITH, Box 100, ELMHURST, ILL.



Every section heats up uniformly by our system

SWEEPSTAKE CHAMPIONS

WILLOWS FARM S. C. WHITE

LEGHORNS

"THE FROST WHITE STRAIN" ESTABLISHED AN ALMOST UNBEATABLE RECORD IN THE LARGEST AND STRONGEST CLASS EVER ENTERED AT

THE GREAT INDIANAPOLIS SHOW, FEB. 2-7, 1914

We won 5 out of 6 firsts; we entered 25 Leghorns—24 were prize-winners



BEAU BRUMMEL I

"The Greatest S. C. White Leghorn Sire in the Middle-West"

First Prize Pen Cockerel, New York, 1911. First Cock, Northern Indiana, 1912. Prize Old Pen, Chicago, December, 1913. First Old Pen, Indianapolis, 1914.

WE WON

Cocks, 1st, 2d—We had 2 entries
Hens, 1st, 4th—We had 2 entries
Ckls., 2d, 3d, 5th—We had 4 entries
Pullets, 1st, 2d—We had 2 entries
Old Pen, 1st—We had only 1 entry
Young Pen, 1st, 2d—We had 2 entries

SPECIAL for best cock
" " " male
" " " shaped male
" " " colored male
" " " headed male
" " " female in entire Leghorn class
" " " hen
" " " pullet
" " " shaped female
" " " colored female
" " " headed female

Princess Frost White, sired by Beau Brummel, established a world's record. She won 1st prize as pullet and **every special** in her class!!!

Jack Frost, sired by Beau Brummel, won 1st cock and **three specials.**

WHEREVER WE EXHIBIT WE ARE CERTAIN WINNERS

NEW YORK 1911 | CHICAGO 1912 | CHICAGO 1913 | INDIANAPOLIS 1914

EGGS EGGS EGGS EGGS EGGS

8 pens headed by our very best Chicago and Indianapolis Prize-Winners, per sitting of 15, $5.00
8 pens headed by other Chicago and Indianapolis Prize-Winners, per sitting of 15 - - - $3.50
Eggs from our utility pens a matter of correspondence

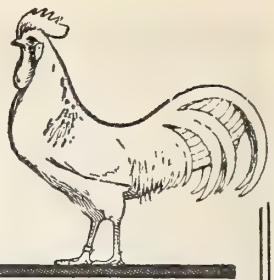
THE WILLOWS FARM — Frank E. Hering, Prop. : Harmon Bradshaw, Mgr.

SOUTH BEND, IND. — LOCK BOX 488-B



WINTER EGG MACHINES





FERRIS IMPROVED WHITE LEGHORNS

This Season's Winnings are the only ones that really count. Although we have a long list of winnings extending over several years at such shows as Toledo, Pittsburgh, Chicago, Grand Rapids, Detroit, Louisville, Nashville, Topeka, St. Louis, Indianapolis, Cleveland, etc., the list below includes only those won during the season of 1913-14.

This Record of 35 First Prizes and 41 Second Prizes at 11 Shows in one season has never been equalled or approached by any other breeder. It is an easy matter for a breeder to take all his best birds to one show and make a big winning, but it is not so easy to show in all parts of the country with a different string of birds each week and make the winnings recorded here. Note the number of shows distant from 500 to 1,000 miles from Grand Rapids at which we won most of the prizes in spite of the fact that our birds were travel-stained and tired when they were judged.

Nearly all of these birds are now our exhibition matings. They will produce the winners for a great many of the largest shows next season. It will pay you to let us book your order for stock or eggs from these matings and thus make sure that you will get your share of premiums.

August, 1913, Iowa State Fair—3 firsts and 4 seconds.

September, 1913, Maryland State Fair—3 firsts and 3 seconds.

September, 1913, W. Michigan State Fair—5 firsts and 4 seconds.

September, 1913, West Virginia State Fair—2 firsts and 3 seconds.

September, 1913, Kansas State Fair—2 firsts and 3 seconds.

October, 1913, Alabama State Fair—4 firsts and 3 seconds.

October, 1913, Georgia State Fair—4 firsts and 3 seconds.

October, 1913, Mississippi State Fair—2 firsts and 2 seconds.

November, 1913, St. Louis, Mo.—3 firsts and 2 seconds.

January, 1914, Terre Haute, Ind.—2 firsts and 4 seconds.

January, 1914, Grand Rapids, Mich.—3 firsts and 4 seconds.

CHOICE BREEDING STOCK.

Prices are reasonable, too. We have thousands of birds to select from and are in better shape than ever before to furnish exhibition and breeding stock. Hundreds of exhibition cocks, hens, cockerels and pullets direct from our winners, at $15.00 and up for males, $7.00 and up for females. You will be surprised at the values we are giving at these prices—big, long-bodied birds with beautiful Leghorn shape, good heads, extra low tails and perfect color. Remember that we can furnish winners for any show in the country and will guarantee them to win first prize.

If you want laying and breeding stock, we have fine yearling hens and pullets at $2.50, $3.50 and $5.00 each; cocks and cockerels at $5.00, $7.00 and $10.00 each. These birds are all bred from our trap-nested layers with records of 160 or more eggs a year, and will make foundation stock that cannot be excelled for egg production. They will lay at least two dozen eggs a year more than ordinary stock, and whether you raise few or many they will make the foundation stock you need for greatest success.

All stock is sold on a positive guarantee to please you, or money refunded. Keep them three days, compare them with others, and if they don't suit you in every way, send them back at our expense. We also ship C. O. D. if desired, in which case you only need send enough money to pay express one way. All stock is insured for 30 days—we stand the loss if any die.

EGGS AND DAY-OLD CHICKS.

We are now booking orders for spring delivery. Thousands of fine hens in our bred-to-lay matings and fifteen of the best exhibition matings that have ever been mated. Prices are remarkably reasonable and we replace all infertile eggs free and guarantee safe arrival of chicks any distance. Our capacity of 5,000 chicks a week enables us to ship large or small orders promptly and to quote low prices. Write us for particulars.

OUR GUARANTEE ON EGGS.

Our guarantee on eggs is as fair as our guarantee on stock. We endeavor to protect our customers and want you to be perfectly satisfied. When you do not get satisfactory results tell us and we will do everything possible to make it right.

We replace all infertile eggs free of charge. It is well to be careful that you do not get eggs from late hatched stock that is not mature, for eggs from immature Leghorns are as worthless as eggs from any other breed. If you want eggs from yearling hens we can furnish them, for over half the birds in our breeding pens are yearling hens.

CAN SHIP ANYWHERE.

We can ship eggs safely anywhere in the United States, Canada or Mexico, and will guarantee fertility. We ship no eggs more than three or four days old, and nearly all eggs are shipped the next day after they are laid, for during the regular hatching season we usually have orders booked a week or more ahead and we make shipments every day.

There is a great difference in eggs for hatching, and if you want good results you must be particular to get eggs from stock that has been handled properly. It is very easy for a careless breeder to so handle his stock that the eggs will not hatch well nor even produce strong chicks when they do hatch. Lack of exercise, improper feed, overcrowding and neglect, or any of several other important details will decidedly affect the results that can be secured from the eggs.

DAY-OLD CHICKS.

Chicks can be shipped 1,000 miles with safety, and in some instances where there is fast train service, as high as 1,500 miles. We guarantee safe arrival at any express office within 1,000 miles from Grand Rapids—a radius that includes two-thirds of the United States and Canada.

Our loss in shipping has averaged less than 2 per cent during the past four years, and our customers have had good success raising the chicks, which proves that the stock is hardy and vigorous and that the chicks have not been injured in the least by shipping. In fact, it is much safer to order chicks than eggs because chicks are nearly always handled more carefully than eggs.

BRED-TO-LAY UTILITY MATINGS.

All our twelve years' efforts to increase egg production are in the breeding of these birds, and although they do not score high enough to make breeders of exhibition stock, they will give you stock that can not be surpassed for laying purposes by any other that can be bought. We allow no birds in these pens that are not good breeders. The eggs are big, selected for even shape and color and will produce strong, hardy chicks.

We can furnish eggs and chicks in any quantity and the price of eggs will be $14.00 per 100 during February, $12.00 during March and $10.00 during April. Settings of 15 eggs, February, $2.55; March, $2.25, and April, $1.95.

Day-old chicks, March, $28.00 per 100; April, $24.00; May, $20.00. In lots of 25, March, $8.00; April, $7.00; May, $6.00.

For other prices and complete description of these matings send for our 1914 catalog.

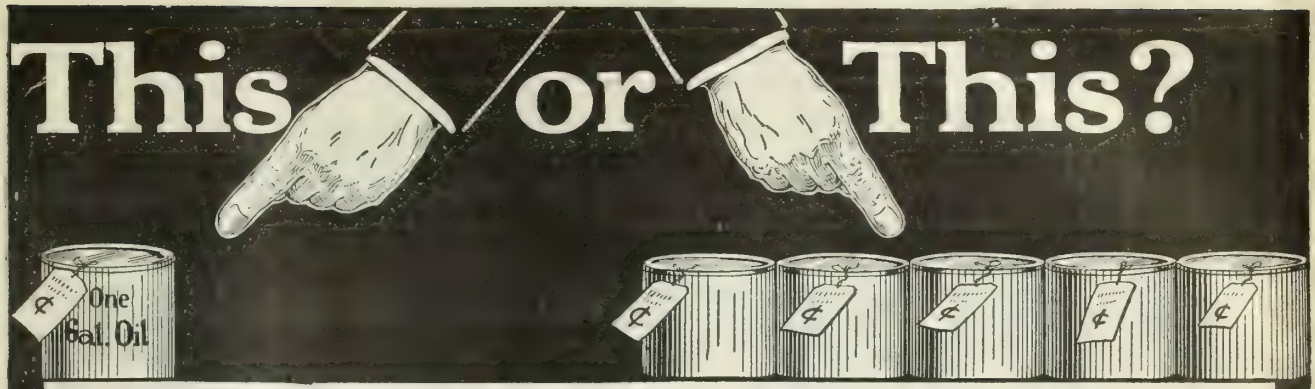
We also have some specially selected breeding pens composed of birds scoring from 92 to 94, from which we sell eggs and chicks at double the prices of the utility matings.

GET THIS CATALOG TODAY.

Read the complete story of FERRIS WHITE LEGHORNS in the 132-page free catalogue, which we will be glad to send you. Learn how we developed the laying qualities so that records of 160 to 200 eggs per year are common, how we improved exhibition qualities until today FERRIS LEGHORNS sweep everything wherever they are shown; how we feed, house and manage our stock. Fully describes all grades of stock, eggs and chicks and will enable you to get started right at small cost. Mail a postal today, the catalogue will reach you by return mail.

FERRIS LEGHORN FARM, George B. Ferris, 905 N. Union Ave., GRAND RAPIDS, MICHIGAN

This or This?



With X-Ray Incubator only **One** gallon for entire hatch.

With other incubators **Five** gallons required for hatch.

Let X-Ray Incubator Save You 4 Gallons of Oil on Every Hatch

The X-Ray actually makes this saving for you. Saves you 75c to $1.25 on every hatch—four to six dollars a season on oil.

It is the only incubator in the world that can do it. Why? Because the lamp is **underneath**—squarely underneath the egg chamber—where it ought to be. The lamp produces just the heat needed at all times—and all the heat is **used**. Used **properly**—evenly distributed—in the X-Ray and no other.

That's why it saves—saves you money—**insures** you far the largest per cent of your hatch.

There's no cold side. There's no overheated corner—just the right hatching temperature in every nook. It saves you oil. It saves you eggs—and that's not all. It saves you a world of work and worry. You fill the big 4 to 8 quart oil tank **just once**—at the beginning of the hatch. You don't have to bother with filling again. No more filling jobs until the hatch comes off. Think of that.

And that's not all. You don't have to bother with the burner either. The X-Ray is the machine with the automatic trip at the burner. It works **itself**—cuts down the flame if heat exceeds the need—lets out more flame if the temperature drops. It doesn't think, but it does better. It never "forgets."

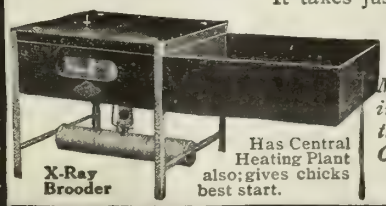


There's a vast difference between the X-Ray — the scientific incubator and the old fashioned kind. 750,000 incubator users now know why the X-Ray is 100 per cent efficient on so many hatches—why a lot of old-time work is now unnecessary.

The X-Ray is the simplest, yet practically every feature is a special feature. Go over it, notice the two double glass panels in the top. You can look at the eggs any time without raising the lid or letting in cold air. Ventilate or turn eggs simply by raising lid.

It takes just 15 minutes to raise X-Ray to hatching temperature. 4 to 8 hours for others.

Our new factory at Des Moines is the largest exclusive incubator factory in the world, the most modernly equipped. Come and see it if you can.



X-Ray Brooder Has Central Heating Plant also; gives chicks best start.

And the X-Ray Brooder Just as Much Ahead

The lamp is beneath—same as in X-Ray incubator. It makes the difference between saving chicks and losing them. And that means poultry profits.

Fill Out the Coupon— Get Incubator Book No. 10 **FREE**

Fill out the coupon below. Do it today. Get our big Incubator Book. We'll guarantee that it is the most interesting work on Incubators you ever read. Shipped direct from factory. No agents employed. Send order direct to me. We pay the freight.

X-Ray Incubator Co., Des Moines, Ia.

Send Me Your X-Ray Book No. 10

NAME _____

P. O. _____

R. R. NO. _____

STATE _____

SILVER CUPS FREE

RED SUSSEX FARM

Importers and Distributers of

England's Best Red Sussex

CHAMPION STRAIN

Winners of more **REGULAR PREMIUMS, SILVER CUPS** and **SPECIALS** at the **CRYSTAL PALACE** and **DAIRY SHOWS** than all other strains combined. Will **WIN** for **YOU.** **GREATEST UTILITY BREED. GREATEST LAYERS, FASTEST GROWERS. SMALL EATERS,** producing **MEAT** and **EGGS** at least cost. Surplus cockerels cheapest **MEAT** you can produce. Start now with the **CHAMPION** Strain.

IMPORTED TRIOS and **PENS** at a close **MARGIN.** Place your order with **US.** We can save you Money and you take no **RISKS.** You can raise a lot of chix and sell every egg your hens lay at **YOUR OWN PRICE** and be a **BIG ONE.**

BEAUTIFUL SILVER CUPS given to every winner of first cockerel and pullet (two firsts) hatched from **OUR EGGS** and exhibited at shows with 600 or more entries. Only one cup **TO THE CUSTOMER.**

Our Pens Are All Headed by Imported Males

Vigorous, Healthy, Typy Birds. Rich Dark Red. Fine Hackles. Good Combs and Red Lobes. Mated to females Ideal in type, especially long in backs, very dark fade—**NOT RED,** neat combs and red lobes. All **CHAMPIONS** and **ENGLAND'S BEST.** Matings as even in **QUALITY** as we could mate them. Eggs as gathered, $15 per 15 straight. Order from this ad, and deposit $5 with the order.

Red Sussex Farm, Marysville, Mich.

MYRON W. MILLS, Prop. H. H. COBURN, Mgr.



Another Astounding "clean sweep" for Fishel's World's Best

White Wyandottes

Once more "The World's Best" demonstrates their Supremacy!

Proof of the most impressive and convincing character

Eggs From These Winners

We offer at interesting quotations eggs from the finest birds we have ever raised or assembled. Our great Cincinnati winners are included in the best pens. And there are other birds just as valuable, just as perfect, included. You want winners — you want winners that PULL DOWN FINE PRIZES, that build your reputation, that PAY, year out and year in—do you not? Then you should "get in line" right—by starting

Fishel's World's Best White Wyandottes

We suggest that you send for prices today—and order early. First come, first served, is the only fair rule. When you write include 12 two cent stamps and we will send you a magnificent, high-art poultry book — telling all about the White Wyandottes. Don't put it off—**Send the coupon today while you think of it.**

J. C. Fishel & Son

Box J **Hope, Indiana**

Time after time, the "World's Best" have demonstrated their matchless leadership — and this wonderful and complete winning comes as a climax to directly precede the active season for selling eggs.

HERE ARE THE FACTS—THEY STAND UNDISPUTED

At Cincinnati, Ohio, December 1-7, '13 in the strongest show ever held in that city, they won:

1st, 2nd, 3rd and 4th Cock.
1st, 2nd and 4th Hen.
1st, 2nd, 3rd and 4th Cockerel.
1st, 2nd, 3rd and 5th Pullet.
1st Old Pen
1st, 2nd, 3rd and 4th Young Pen.
Sweepstakes for Best Cock Bird in the American Class.
Sweepstakes for Best Pen in Wyandotte Class.
And several Cups and Specials.

J. G. FISHEL & SON,
Box J, Hope, Ind.

Gentlemen:—Send me your price list on EGGS from those great winners of yours.

Signed .....

St. or R. D. No. .....

Address .....

If you enclose stamps for the book; check here .....

EGGS Bowden's White Wyandottes CHICKS

Write for **Large Illustrated Mating List** giving prices of eggs, day-old chicks and two-month-old chicks from eight of the finest pens that are in one breeder's yards this season. Headed by Boston, Cleveland, Ohio State Fair, Indiana State Fair and Ohio State Show winners.

EGGS—$5-15; $9-30; $14-50; $24-100. SHERMAN BOWDEN, Life Mem. A.P.A., State Secy. N. W. Wynd. Club, Mansfield, Ohio

DAY-OLD CHICKS OF QUALITY



THAT WILL LIVE, THRIVE, GROW AND WIN FOR YOU

S. C. Rhode Island Reds
R. C. Rhode Island Reds
S. C. Buff Orpingtons
S. C. Black Orpingtons
S. C. White Orpingtons
White Wyandottes
S. C. Black Minorcas
White Plymouth Rocks
Barred Plymouth Rocks
Buff Plymouth Rocks
S. C. White Leghorns
S. C. Brown Leghorns



Eggs for Hatching in Any Quantity, Prepaid

Shipments guaranteed to reach destination safely. All dead chicks replaced. Book your order now. Our equipment includes the highest priced machines on the market backed by our twenty years' experience in hatching and breeding enables us to furnish you chicks that are well hatched, vigorous, strong and healthy. Hundreds of satisfied customers. Our aim is to furnish you the Best chicks, not the cheapest in price. Poorly hatched chicks always prove expensive items. Start right by sending for our chicklet catalogue today.

Our Show Record Includes Chicago, New York and Indianapolis Winners

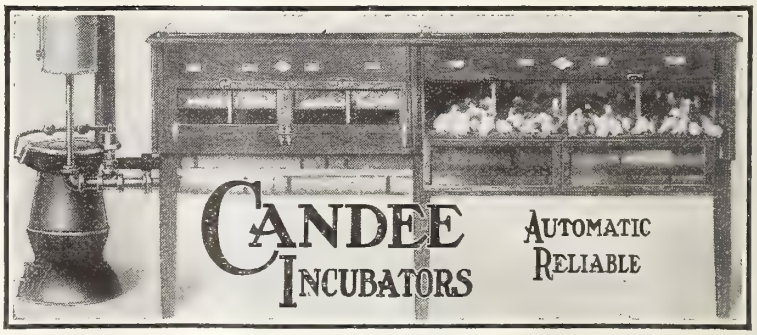
Many first prizes have been won by our birds at these National Shows in the past. Our breeders are placed in condition for producing strong, healthy, fertile eggs by December 1, consequently for the present we will not exhibit, but can furnish you Baby Chicks that will grow into winners for you. Our chicks are well hatched and we can quote you extremely low prices on them. Be sure and get our catalogue. Sent free upon request.

GOSHEN POULTRY FARMS Route 7 GOSHEN, INDIANA

Buy Candee Hatched Baby Chicks

Have your Custom Hatching done by Candee operators.

All over the United States and Canada you will find Candee Incubators in operation. Patronize them.



Candee Double Regulation Safeguards Your Eggs

Take for instance the 1200-egg machine which is illustrated.

It has five safeguards against overheating.

The Candee holds a steady even heat—is necessary to the best success in artificial hatching. It gives the strong healthy chicks that live and grow to maturity.

Our big free 108-page catalogue tells you all about our Incubators and Brooders.

Candee Incubator & Brooder Co., Dept. 2, **Eastwood, N.Y.**

Our Incubators are fully protected by U. S. Letters Patent and all infringements thereof will be prosecuted

Moore's S. C. White Leghorns

Win at Greater Buffalo Show, Thanksgiving Week, 1913, Buffalo, N. Y., Cocks 1, 5; Hens 2, 3, 4; **Cockerels** 1, 4; Pullets 2, 5; Pens 1, 2; **$25 Special** for best **Display** and numerous other gold specials. **Eggs, Stock** and **Day-Old Chicks** for sale. Send for mating list. When writing mention American Poultry Journal.

MOORE BROS., **Moscow, Livingston Co., New York**

Don't Wait Another Day

Start a Reliance Working for You This Week

By special arrangement with the publishers of

American Poultry Journal

we are granted permission to print our Order Blank in this advertisement so that everybody can get one of our famous Incubators, Brooders, Sprouters without a day's delay or unnecessary correspondence. For instance, send us

$5.75 enclosed with order and we ship you immediately our 150-egg **Reliance** Incubator, backed by our Special Guarantee. No waits, no trouble or letter writing.



Guaranteed
To Hatch as Many Chicks as any $15 or $20 Machine

Fully Equipped

No Extras to Buy

1914 Reliance Incubator

Nothing like this has ever been offered before. We are the first manufacturers to print an order blank in a publication and bind ourselves, in the order, to make good our claims or refund money as per our guarantee. Read our Four Big Bargains. Take your choice of No. 1, 2, 3 or 4. See how much you can save. And, remember, when you get a **Reliance,** you get an incubator that lives up to the manufacturers' guarantee. It **practically runs itself; it requires very little oil for a big hatch and it hatches every hatchable egg put on the egg tray.**

The **Reliance** is a new model—**a 1914 machine**—and because of its perfect construction and improved regulator system, it is sure to become the hatching sensation of the year. You or any one can be sure of success with it. Even beginners can get best results—even to **100 per cent hatches**—by merely following the **simple directions** sent with each machine.

The **Reliance** is guaranteed to make chicken-raising pay big profits. No losses, no repair bills, no extras to buy, no waste of oil. Better order yours—incubator and brooder—right now from this ad.

The 1914 **Reliance** is made of best lumber. Side walls and top are made of three thicknesses—cold can't get in, heat can't get out. Equipped with best regulator, thermometer, egg tester, lamp, egg trays. Beautiful finish, handsome steel legs.

Full description, circular matter, incubator and hatching facts sent free on postal request or with order.

4 Big Bargains

Bargain No. 1
70-Egg Incubator Guaranteed **$3.90**

Bargain No. 2
150-Egg Incubator Guaranteed **$5.75**

Bargain No. 3
70-Egg Incubator $3.90
70-Chick Brooder 3.00
Total - - $6.90
Both for Only $6.50

Bargain No. 4
150-Egg Incubator $5.75
150-Chick Brooder 3.00
Total - - $8.75
Both for Only $8.25

You can't go wrong buying a **Reliance**—either size, or in combination with brooder. Our guarantee protects your purchase.

Better order your incubator or brooder—or both—right now from this ad. You'll never get any other such offer. Use order blank below and save time and make money.



Big Bargains in Reliance Grain Sprouters

Biggest money-maker for poultrymen since the invention of the modern incubator.

Reliance Sprouted Oats will **cut feed bill in half; will keep hens laying all winter** and **increase egg yield over 50 per cent; will make and keep fowls healthy, sturdy and promote their growth.**

Order direct from ad on guarantee of satisfaction or money back. Safe delivery guaranteed. Sprouter comes to you ready for use. Order to-day.

Prices of Sprouter

No. 1, for 25 to 40 hens, **$ 5.00**
No. 2, for 75 to 100 hens, **7.00**
No. 3, for 150 to 200 hens, **8.50**
No. 4, for 200 to 350 hens, **11.50**



Here's Your Order Blank. Use It.

Directions and Money-Making Literature Sent Free

with each machine. Safe delivery guaranteed. Machines come fully equipped—**NO EXTRAS TO BUY.** Machines come ready for use—**NOT KNOCKED DOWN.**

Order direct from ad and start an early hatch, but if you want particulars first, write and we'll send more proof of **Reliance** superiority.

Orders filled same day received. Address

Reliance Incubator Co.
Manufacturers of Incubators, Brooders, Grain Sprouters
Dept. A4 , Freeport, Ill.

SPECIAL ORDER BLANK

RELIANCE INCUBATOR CO., DEPT. A 4 , FREEPORT, ILL.

Gentlemen: Please find enclosed $_____

for which please ship by _____

the article as checked below.

It is a condition of this order that the Incubator, Brooder or Sprouter I buy of you, give me perfect satisfaction and live up to your claims or you'll make good by replacement or refund the full purchase price.

☐ 1 **70-Egg Incubator (Guaranteed) $3.90** ☐ 2 **150-Egg Incubator (Guaranteed) $5.75** ☐ **No.____ Grain Sprouter**

☐ 3 **70-Egg Incubator and 70-Chick Brooder (Combination Price) $6.50** ☐ 4 **150-Egg Incubator and 150-Chick Brooder (Combination Price) $8.25**

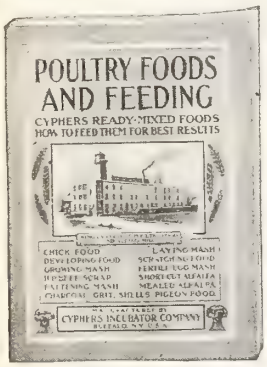
Name_____

Town _____ Shipping Station _____ State_____

WE ASK YOU TO TRY OUR FEEDING METHODS

RAISING THE CHICKS you hatch is the most difficult—also the most important part of your poultry work. The question of ***whether or not*** your poultry enterprise is to ***show a profit*** will be decided by the success you have in carrying the chicks through in safety and vigor from the incubator to the colony coop or fattening pen. If for any reason ***you are not able*** to raise the chicks—and the ***right kind of chicks***—partial or total failure is unavoidable.

READER, we ask you to TRY THIS SPRING the "Cyphers Company Way" of feeding little chicks. We want you to know about the "deep-litter method" and to ***profit by its use.*** We are anxious to tell you what you should KNOW about the values of Mealed and Short-Cut Alfalfa, about sprouting oats, about the profitable use of High-Protein Meat Scrap, etc. This is ALL TOLD in plain terms in our 52-page FREE BOOKLET, "Poultry Foods and Feeding," which we will send to any address, postpaid, on request. Please write for YOUR COPY today—right now, before you forget it.



This Book Would be Cheap at $5.00 Per Copy, Judged by Actual, Detailed Value of Contents. Tells How To Produce Broilers, Fryers, Roasting Chickens and Capons; Also Exactly How to Feed the Layers and Breeders. 52 Pages, 7x10 Inches. One FREE COPY on Request to Any Address.

It has long been said that the "proof of the pudding is in the eating of it." The proof of the VALUE of Cyphers Sealed-bag, trade-mark brand, balanced-ration poultry foods ***is in the feeding of them***—is to be found in the highly profitable results obtained by our thousands of customers who ***use these foods annually*** in raising their chicks with uniform success. Following is evidence:

Recent Sample Reports From Customers

"2¼ LBS. AT ELEVEN WEEKS"

Cleveland, Ohio, September 25, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

A great **aid to success in raising chicks** is the use of your balanced-ration, ready-mixed poultry foods which I use in considerable quantities, especially Chick Food, Developing Food and Growing Mash. I find these Cyphers-brand foods to be **free from dirt and waste material** and my experience is that they are the cheapest foods on the market. My Orpington broilers **averaged** to weigh 2¼ lbs. **in eleven weeks** throughout the whole flock. These results were obtained by following your printed directions, **which are furnished complete** in your booklet, "Foods and Feeding." Before using Cyphers Chick Food I lost a great proportion of the chicks. In future nothing but Cyphers Company products will be used by me.

DAVID I. SAWDEY, 2134 E. 107th Street.

"SAVES TIME—CHICKS GROW FASTER"

Riverhead, N. Y., August 6, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

Am in the poultry business **and making money out of it**; do not know any business I like better. I use Cyphers balanced-ration poultry foods and obtain **the best of satisfaction.** Have tried the Cyphers plan of "deep-litter feeding" for little chicks and believe it is the **best system in existence.** It saves time and the little chicks grow much faster and are more healthy. I was **able to care for** a great many more chicks **and to do so to better advantage.** I have always found Cyphers Foods sweet and clean and the chicks eat it up **without any waste.** If poultrymen who are not making their venture a success will adopt the "Cyphers Way" of feeding and rearing their chicks, they will surely meet with success.

H. W. TUTHILL.

"TON OF YOUR FOODS PER MONTH"

Kansas City, Mo., August 5, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I am using Cyphers Sealed-bag brand poultry foods and **they have given entire satisfaction.** For the past five years I have used nearly one ton of your balanced-ration poultry foods per month, **which is sufficient evidence** as to how well they have pleased me. I find that the real feeding value is in Cyphers Foods and they **do not contain waste material, musty grains** or other objectionable matter, as do so many of the other prepared poultry foods offered to poultrymen. During the past year **we made exceptionally fine winnings** at the largest western and southern poultry shows and our birds were hatched in Cyphers Incubators, reared in Cyphers Brooders and fed on Cyphers Foods.

PINE VIEW FARM, W. R. Kendall, Prop.

"NO TROUBLE WITH CHICK AILMENTS"

Plato Center, Ill., July 29, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

We use your balanced-ration poultry foods **exclusively** and have not had any trouble with white diarrhœa and other similar chick ailments. Our experience **leads us to believe** that poor brooding and improper feeding are the cause of most diarrhœa in chicks and **there is no excuse for this** when Cyphers Poultry Foods and Cyphers Brooding Hovers are used. We have used quite a few tons of your Chick Food during the past year and **have not found a single particle** of it that did not appear to be first-class in every way—quality uniform, no smutty grains, no waste, **no foreign matter used for filling.** All of your goods have given us excellent satisfaction.

MUIRHEAD BROS.,
Per G. F. Muirhead.

"2-LB. BROILERS IN 11 WEEKS"

Nyack, N. Y., August 9, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I have been delighted with the **excellent results** obtained by using your Cyphers balanced-ration, sealed-bag brand poultry foods. I get 2-lb. Barred Rock broilers in eleven weeks by following the "Cyphers System" of feeding. I find Cyphers Foods to be **clean and sweet, with no bits of straw, pieces of wood or other foreign matter,** which we often get when buying poultry foods at the local feed stores. Then again when we handle it in feeding the chicks it has the "feel"—the **weight, quality and value are there.** The other local foods are light and dusty by comparison and don't have the Cyphers feel. Just received a supply of Cyphers Growing Mash today and judging **by the way my chicks went into it** you would think they never before had anything to eat.

WALTER B. MANNING.



Cyphers Company's Chick Food

This 100-Lb. Bag will Feed 100 Newly-Hatched Chicks Four Weeks, or 50 Chicks Six to Seven Weeks. Price $2.50 f. o. b. Buffalo, Boston, New York City, Chicago and Kansas City. Price f. o. b. Oakland, $3.00. Order Sample Bag From This Advertisement.



Cyphers Company's Developing Food

Medium-Granulated, Five-Grain Balanced-ration that Follows Chick Food. Should be fed to Growing Chicks between Ages of Six and Twelve Weeks, Before they are Given Whole Grain. Write Today for Prices f. o. b. our Nearest Place of Business.

SEVEN PLACES OF BUSINESS: Remember that we have seven places of business (six in the United States), which means that you can get quick deliveries from us and will save a large part of the transportation charges. Our Sealed-bag Brand of Balanced-ration Foods are sold also by MANY AGENTS, located throughout the country from the Atlantic to the Pacific, from Canada to Mexico. Write today for the name and address of our poultry foods selling agent nearest you. Address our nearest branch store and warehouse as follows:

CYPHERS INCUBATOR CO., Dept. 741 Factory and Home Offices, **Buffalo, N. Y.**

BRANCH STORES AND WAREHOUSES	NEW YORK, N. Y.	BOSTON, MASS.	CHICAGO, ILL.	KANSAS CITY, MO.	OAKLAND, CAL.	LONDON, ENGLAND
	41 Barclay St.	12-14 Canal St.	329-331 Plymouth Court	317-319 Southwest Boulevard	2127 Broadway	121-123 Finsbury Pavement

Local Agents Wanted. No Capital Required. Write to Nearest Branch House.

Poultry Fence

Direct to you and your neighbors, too

POSITIVELY
THE BEST BARGAIN
THAT WAS EVER OFFERED IN

Poultry Fencing

48 inches high 22½ cents a rod
60 inches high 25½ cents a rod

This is not a flimsy netting but a real fence requiring fewer posts, no base board or top rail. Spacing between the line wires graduated from 1⅛ inches at bottom to 4¼ inches at top. **Stay wires only 4½ inches apart.**

THIS IS A SPECIAL BARGAIN

48-inch Combination Poultry and Stock Fence 27¾ cents per rod

This is an extra heavy Poultry Fence having the same construction as above, and while close enough for small chicks, yet strong enough to turn stock. The stays or upright wires in this style fence are 6 inches apart and the spacing of the line wires graduated from 4¼ inches at bottom to 6 inches at top.

WHY OUR FENCE IS BETTER

Because it is made on the most efficient fence weaving looms from the highest quality heavily galvanized Open Hearth steel wire—every pound made in our own modern Wire Mill to be used in KITSELMAN FENCE.

WHY WE SELL FOR LESS MONEY

Because our prices are based on one small profit added to the actual cost of material and labor.

SOLD DIRECT AT FACTORY PRICES THEREFORE YOU SAVE THE DEALER'S PROFIT

We make many other heights and styles of Poultry Fence also Farm, Stock and Lawn Fence and Gates.

THIS COUPON WILL BRING YOU OUR LATEST BARGAIN CATALOG

CUT THIS OUT AND MAIL TODAY

Kitselman Brothers,
Box 295, Muncie, Indiana.
Send me your latest free Catalogue of FARM POULTRY and LAWN FENCING.

Name .....
Town ..... State .....
R.F.D. .....

KITSELMAN BROTHERS,
Box 295 MUNCIE, INDIANA.

Fight Lice Right With Lee's Lice Killer



THE **only** safe, sure and economical way to rid your poultry house and poultry of all vermin, and with none of the disagreeable work incident to dusting, dipping, greasing, or treating each fowl **individually.**

It requires from two to three minutes each to dust a hen, besides the always present danger of transmitting at least some of the vermin from the hen's body to yourself.

The "dipping" process is equally laborious, disagreeable and uncertain —time, labor, patience and money wasted absolutely—for even though you may finally destroy all vermin on each of your chickens you have only **begun,** not really touched the **source** of origin.

Dipping is inhuman in treating chickens —always fraught with danger—weakens the fowl's system—induces colds, **roup** and similar ailments. **DON'T DIP.**

Lee's Lice Killer has all the destructive properties in **contact** as any powder or dip and, **besides,** the vapor that it gives off, destructive to insect life but absolutely harmless to the fowl, permeates the fluff and feathers, goes into every crack and crevice of the poultry house and finds even the most remote hiding place of all vermin and **destroys** them. **Lee's Lice Killer without its destructive vapor is superior to any** other powder or liquid preparation.

And it is useless to kill the lice on the bodies of your chickens unless you drive the vermin from these other hiding and breeding places. Every crack and crevice, every corner, every nest-box, every board and perch in the poultry house is a breeding place for all kinds of vermin. That's where you find the **mites, chiggers, ticks, bedbugs.**

Lee's Lice Killer (liquid) does all the work thoroughly; kills **all** vermin, whether on the body of the fowl or about the poultry-house, **at** the same time thoroughly disinfecting the houses, floors, runs, and destroying these germs.

Convenient Sizes and Prices—35c, 60c and $1.00

Lee's Louse Powder
Sifter-top Can

It is made with a view to utmost effectiveness on setting hens and little chicks, and where a powder is actually preferred you can find none better than Lee's. It is quite inexpensive, does its work thoroughly, and is prepared in sizes and at prices as follows:

1¼ lb. can, **25c** 3 lb. can, **50c**

The Lee Sprayer

is the only kind you should buy (unless you go into the expensive compressed-air sprayers). It's patented—sprays "straight up"—any other pump of this style is only an imitation at best. **Take no chances. Ask for the Lee —and be sure you get it.**

Price, 50 Cents

If larger sprayers are desired send for our special sprayer catalog.

Germozone

For Roup, Colds and Other Poultry Diseases—Saves the Chicks

Fully half of the deaths among chicks are due to bowel complaint. Bowel complaint is the result of the chicks being chilled, overheated in brooder, or being fed old, impure or musty feed. Any poultryman can hatch chicks, but the great problem is to raise them. Help the chicks withstand these adverse conditions and you will have little trouble raising them. Germozone will check bowel trouble in twenty-four hours and places the chicks in a natural, healthy condition. It tones the system, aids digestion, puts new life into sickly chicks. For older chickens, there is no better remedy for Roup, Colds, Chickenpox and other poultry diseases. No trouble—simply put Germozone in drinking-water twice a week.

Liquid or Tablet—Price 50 Cents

Lee's Egg Maker

—the most successful combination of those food elements necessary to strong, vigorous birds, and to the production of the largest number of eggs.

It furnishes the material necessary to turn the largest amount of food into eggs. **Protein—digestible** protein—that's it! Meat food in many forms is conveniently obtainable, but little of it is digestible.

Lee's Egg Maker contains **more** protein in **digestible** form than other meat foods. Its base is principally granulated blood (deodorized) and with which is combined blood purifying, tonic and palatable qualities that makes it a **superior** product in every way. **There is not one ounce of bran,** sand, shell or other cheap and worthless filler in our product. No other poultry food looks like it, smells like it, or resembles it in any way. **Lee's Egg Maker** is clean, wholesome, thoroughly sterilized, and absolutely free from maggots and other vermin so common to the ordinary commercial brands of meat food. Our guarantee is broad—the **risk all** ours—while the feeding cost **(50 feeds for 1 cent)** is so small as to be hardly noticeable.

2½ lbs.. **25c** 5½ lbs., **50c** 15 lbs., **$1.25** 25 lbs., **$2.00** 100 lbs., **$7.50**

GEO. H. LEE COMPANY, 930 Harney St., Omaha, Neb.

Don't Forget that Lee's goods are made by Lee, a successful poultryman for more than twenty-five years —that every article in the Lee line is in regular use on the Mandy Lee farm, where may be seen at any time from 2,000 to 5,000 of the healthiest, liveliest, prettiest chickens to be found anywhere

—that what has made Lee's stock famous is pretty certain to help yours; and

—that our experience and our knowledge of poultry requirements tells us what is needed, while more than forty patents on file at the United States Patent Office in Washington under our name is pretty conclusive evidence of our ability to make what is needed. **Try the "Lee" way**

Ask for Lee's Poultry Book—Free

Read These Letters

I wish to say, as one of the oldest as well as one of the largest breeders of White Wyandottes in the United States (and my poultry experience dates back eighteen years), that Lee's Lice Killer is one of the best, if not the very best, preparation to rid and keep poultry free from lice. I have used it for more than ten years and so should know all about it. I have never found a better one. I keep it on my plant all the time. Come and see me, and if you get a louse on you in any of my twenty large houses I will make you a present of the best pair of birds on the place.

CHAS. V. KEELER,
Poultry Judge and World's Famous Breeder of White Wyandottes,
Winamac, Ind.

* * *

I have never been able to find any other make of Lice Killer that gave as good results as "Lee's." It surely does the work. U. R. FISHEL,
Largest Breeder of White Plymouth Rocks in the United States, Hope, Ind.

* * *

After having used your Lice Killer in our poultry yards for more than ten years, and having compared it and used it with many other brands of Lice Killers, we can truthfully say that it is far superior to any other, and as a result of the tests we have made we use Lee's Lice Killer exclusively. It does all and more than is claimed for it and is perfectly satisfactory.

D. F. PALMER & SONS,
Breeders of Barred Plymouth Rocks,
Yorkville, Ill.

* * *

Of more than a dozen so-called Lice Killers on the market I would use nothing but Lee's. It is the only real Lice Killer. I am an old breeder of poultry and am known as such around here, and have always found Lee's Lice Killer perfectly satisfactory.

WM. V. SCHLOSSER,
Breeder of White Orpingtons,
Beloit, Wis.

Germozone Letters

I have used Germozone continually for four years. I attribute to its use the fact that we never have a case of diarrhoea on our place.

MRS. B. B. ROMIG,
Woodland, Mo.

* * *

Before I began to use Germozone I used to find two or three dead chickens every once in a while; now when I open a coop I see nothing but healthy chicks. Last spring I only lost three out of 400, and they were weak to start with. I am never without Germozone. You may use this letter if it will help convince others of the value of Germozone.

MRS. W. A. EDDINGTON,
Irvington, Ill.

* * *

Have used Germozone with great success; raised 95 per cent of all chicks hatched and give Germozone the credit. Had a hen in dying condition with roup and five days after we began giving her Germozone she laid an egg

J. H. STEPHENSON,
Cornelius, Ore.









The Greatest Prize-Winners of All Time

At the Chicago Coliseum
(National Official) Poultry Show

Flanders' S. C. W. Leghorns

The judges declared that the class of S. C. Leghorns at the Chicago Coliseum Nat'l Official Poultry Show, Dec. 13, 1913, was the finest ever exhibited.

Think what it means for one strain to win against such competition! And especially such honors as these:

1st, 3d, 4th and 5th Cock
1st, 3d and 4th Cockerel
1st and 3d Hen
1st Old Pen
1st Young Pen
Special for Best Shaped Male
Special for Best Colored Male
$50 Silver Cup for Best Display (running four times as many points as nearest competitor)
$10 Gold Special for Best Display
Swiss Gold Watch for Best Exhibit

The strain that won these never-before-equaled honors is Flanders' Strain of S. C. White Leghorns. Competent judges acknowledged them the finest White Leghorns ever exhibited.

Now, the only question for you to decide is—do you want to start with second or third grade birds—or the best in the country (which means practically the world)?

The Flanders' Strain of S. C. White Leghorns was originated 8 years ago by Robert Parmenter. His birds began to win at the big shows in 1908 and have been winners every year since.

About a year ago he formed a partnership with Walter E. Flanders, of Holstein Cattle fame. This gave him the advantage of one of the largest and finest Poultry Plants extant, and 250 acres of range. Because of the fame of the Flanders' farm, and to avoid confusion, the name of the strain was changed to "Flanders."

The result shows in the above honors heaped upon the Flanders' Strain. You never saw such overwhelming winnings before, nor did you ever before see a strain of poultry that deserved them. The Flanders' Strain of S. C. White Leghorns is the finest bred to date.

Start with the best for exhibition purposes, for eggs, for flesh, for hardiness. Write us for price lists on Matings, Eggs, Day-Old Chicks, etc. Satisfaction guaranteed absolutely.

Flanders White Leghorn Farm

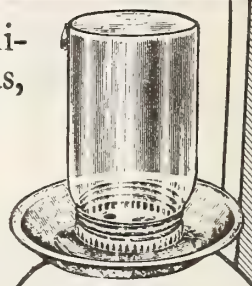
Robert Parmenter, Mgr., Box A, Orchard Lake, Mich.

It's the Healthy Birds that Boost Poultry Profits —Why Not Have Them?

YOU can now feed your entire poultry yard with a minimum of time and expense. You can raise *more* birds, keep them *healthier* and save money on feed.

Kentuco Poultry Ware makes this possible. It will save your time and give you the best possible insurance of serving the pure feed and water that make big, healthy, profit-making birds.

How you feed poultry is really more important than *what* you feed. The best feed is worthless if it reaches the birds polluted. It's impure feed and water that causes most epidemics in the poultry yard. Nothing affects the poultryman's pocketbook more keenly. You can guard against this with



FREE
Kentuco Jar Fountain
Simply screw the base onto any Mason jar. It's handy and practical. To introduce Kentuco Ware Construction, we send the base free if you will enclose 10c in stamps to cover postage and packing.

KENTUCO
Poultry Ware

It's the ware that *really makes poultry profits* by *protecting* bird health and saving feed. Take for example the two-piece fountain shown to the left. This, like all Kentuco Fountains, is galvanized *after* it's made. There is no chance for rust.

Fill the reservoir, invert it, and the chicks are served a plentiful supply of clean water as fast as they consume it. They cannot get into the pan, and they cannot perch on the cone top and pollute it with droppings.

With Kentuco construction, you get top notch quality at no greater price than less worthy stuff.

For another illustration, take the jar fountain which we give away free. There are designs like this on the market, but it's just impossible to invert them without being splashed with water.

You avoid this with the Kentuco Jar Fountain. Send for it and note how the metal cap protects you.

Study the design of the Kentuco Food Hopper illustrated below. Feed cannot clog in this reservoir, neither can the tray become loosened, for the entire back, bottom and front is all one sheet.

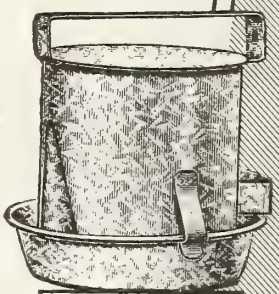
There's always feed in the tray, yet the birds cannot waste it.

Birds cannot perch on the slanting top and pollute feed in the tray.

It's features like these that win preference for Kentuco Ware. Equip your entire poultry yard with Kentuco Ware. Every piece earns its cost quickly by either protecting health or saving feed.

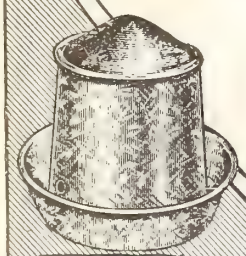
Write Us at Once

for our big folder that tells the money-making facts about poultry. Ask for Kentuco Poultry Ware from your dealer. If he does not carry it, we will ship you direct. In writing, please mention your county, as well as your city and state. Ask for the free Jar Fountain if you want it.

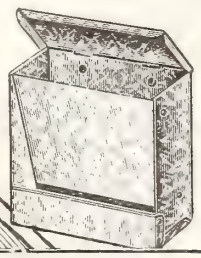


Kentuco Sanitary Wall Fountain
Two pieces—detachable. You can clean the reservoir with a brush.

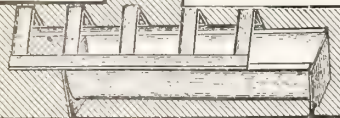
Kentucky Stamping Company
104 No. 15th St., Louisville, Ky.



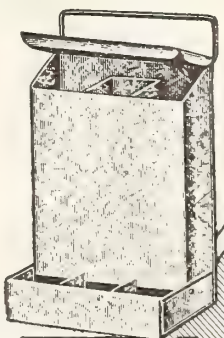
Kentuco Two-Piece Fountain
Cannot leak or rust.



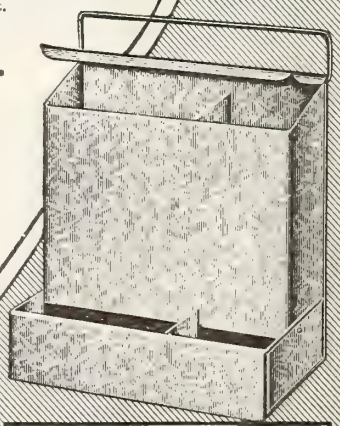
Kentuco Chick Feeder
The result of 15 experiments, sturdily constructed — chicks cannot waste feed or pollute it.



Kentuco Feed and Water Trough—Rounded bottom keeps feed in center. Top prevents birds wasting feed.



Kentuco Grit Box—Feeds grit, shells and charcoal at the same time.



Kentuco Food Hopper
Food cannot clog in reservoir—birds cannot waste food nor pollute feed in tray.


Jim Rohan
Pres.

Jim Rohan and Winners of Belle City's Eight World's Championship Hatches


Mr. Geo. W. Black, Ind.


Wm. C. Schott, Iowa


Mrs. Laura J. Clark, Illinois


Mrs. Alta Hamlyn, Ind.


Mr. F. E. Bennett, Ohio


Mrs. F. H. Osman, Ohio


Mrs. M. J. Clifton, Oklahoma


"TYCOS" CUP won by the Belle City

Write Today for My Free Book "Hatching Facts"—It Means More Money to You

GET the whole story of these Championship hatches with the Belle City. Get the stories of thousands of men and women who are getting 100% perfect hatches. Satisfy yourself. This great book is free. Write for it today. No other incubator made—not even the highest priced—approaches this amazing record of my Belle City. I have the letters of owners to prove it. Many of these letters are printed in this book "Hatching Facts." They tell you how Belle City owners are making *the most money* in the Poultry business. You certainly want this book. A postal gets it.

When You Buy from Me You Get an Exact Duplicate of the Prize Winning

Eight Times World's Champion Belle City

I send you an exact duplicate of the hatching outfit used by Mrs. Alta Hamlyn of Indiana, who joins the Belle City's list of World's Champions with TWO 100% hatches scored by her Belle City Incubator in Successful Farming's 1913 contest. Mrs. Hamlyn says: "I can hatch every fertile egg in my Belle City and regard your honesty the keynote to success." I send you an exact duplicate of the Belle City Hatching Outfit used by William C. Schott of Iowa, who shares the 1913 honors. His 100% hatch, 140 chicks from 140 eggs, won another World's Championship for the Belle City in Successful Farming's 1913 Contest. Mr. Schott writes: "The Belle City is the best incubator made—has given much more satisfaction than high-priced machines." I send you an exact duplicate of the Belle City Outfit used by each of the other world's champions whose pictures appear above.

The Kind "Uncle Sam" Uses

I send you an exact duplicate of the Belle City machines chosen by the U. S. Government. The Department of the Interior is one of my customers. The department asked for prices on 300-egg sized machines, but ordered my 140-egg Belle City machines, because even "Uncle Sam" wants to have Championship hatches, too.

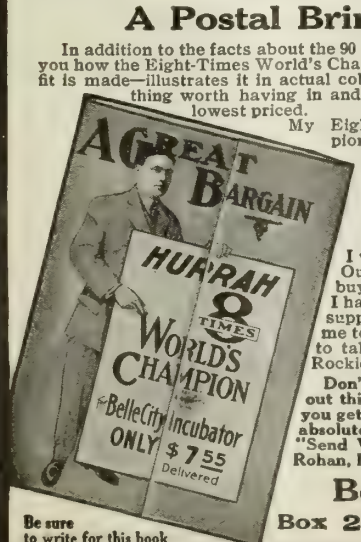
I send you an exact duplicate of the Belle City Hatching Outfits used by leading agricultural colleges.

I send you an exact duplicate of the Belle City Hatching Outfit that won the gold lined silver "Tycos" Cup and the Championship for Mrs. Osman.

A Postal Brings You the Big Portfolio, "Hatching Facts"

In addition to the facts about the 90 to 100 per cent hatches, it tells you how the Eight-Times World's Champion Belle City Hatching Outfit is made—illustrates it in actual colors. Shows that it has every thing worth having in and on an incubator, yet it is the lowest priced.

My Eight-Times World's Champion Bell City Incubator has Oakes double disc self-regulator, correct hot water heating system, copper tank and boiler, safety lamp, double walls and double door and dead air space all over, with roomy nursery and strong egg tray. Of course, the thermometer is right: I use the "Tycos." I also supply egg tester, Edw. Miller sun hinge burner, funnel, everything you need, including valuable instruction book on operating, hatching and care of chicks. The book tells you all about my world famous 140-Chick Belle City Brooder—the only double-walled, hot water, top heat brooder made, guaranteed to raise largest percentage of chicks every time—a fitting companion to my World's Championship Belle City Incubator.



Be sure to write for this book

Ask for My Low Price

I will show you why I can send you my Belle City Hatching Outfit at half or less than half what others cost you! You buy direct from me. You pay no agents' or dealers' profits. I have prepared to build fifty thousand Belle City outfits to supply the demand for this season. This big volume enables me to cut my profit down lower than anybody else can afford to take—and I prepay the freight to all points east of the Rockies and allow it that far to points beyond.

Don't turn this page without either writing to me or else tearing out this advertisement as a reminder. Whether you order or not, you get all my valuable World's Championship "Hatching Facts" absolutely free! But be sure to write to me today. Just say, "Send World's Championship 'Hatching Facts.'" Address Jim Rohan, President.

Belle City Incubator Co.

Box 27 **Racine, Wis.**



You Will Seldom Find Them Together

THE RIGHT GOODS AT THE RIGHT PRICE

But Here They Are Now. These Two Wonderful Chicken Makers for Only

$9.90



USE THE COUPON

REMEMBER

both of these "chicken makers" are **absolutely guaranteed** in every way. If you are not entirely satisfied we will refund your money. No arguments, no post-mortems—you get your money back promptly.

That is our guarantee. So order right now direct from this advertisement.

Peerless-60 All Metal Incubator

is the latest and last word in incubator manufacturing—"a vast improvement" over the old box type. Built entirely of metal, rust and fireproof, no wood to warp, crack or rot. Absolutely impossible for poisonous gases to form. Holds 60 eggs without crowding—is always clean and sanitary. Thermometer is built right into the machine, always in plain sight—no burning of fingers or lifting of top to see the temperature. The eggs are heated from above by a triple wall heat radiator—all heat is utilized. With the patent damper and flame regulator the regulation of heat, moisture and ventilation is entirely automatic—impossible to overheat. Simple and safe and burns less oil than any other. It is the one and only real "chick maker."

Simplex Feather Brooder

is the only brooder that hovers chicks nature's way—"under natural feathers" without the aid of artificial heat. Made of galvanized iron, without wood to warp and rot, and on the inside is the hover made of NATURAL FEATHERS, which raises the chicks just as nature intended they should be raised. It is against all rules of nature to raise chicks by artificial heat. That is why the Simplex Perfection Feather Brooder is the one brooder to use—it is just following nature's rules. No fire—no smothering—no chilling—no leg weakness—no overheating—no gases or fumes, no crowding—no bowel trouble—no fuel to buy or lamps to replace. Absolutely weather and rat proof; can be used in or outdoors. The one sure "chick raiser."

SIMPLEX SUPPLY HOUSE

PONTIAX BLDG. Write for catalog—we can save you money CHICAGO, ILLINOIS



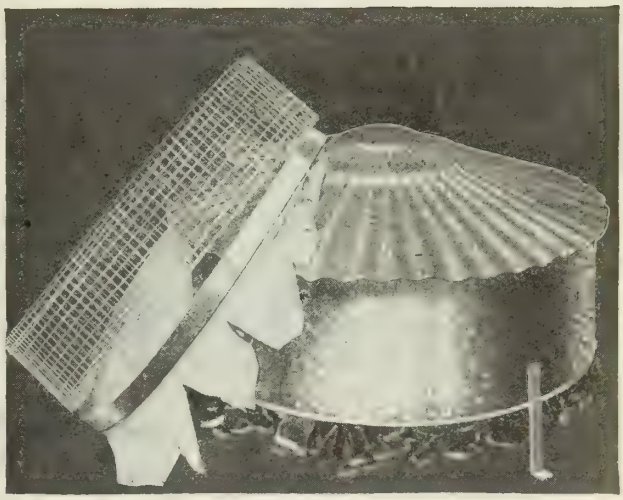
Peerless-60 All Metal Incubator.
The Machine That Cheats the Hen.

Guaranteed Chicken Makers

Read opposite page

The Machines That Those Who Know Use

Read opposite page



Simplex Perfection Feather Brooder Raises Your Chicks Nature's Way

A SPECIAL OFFER, VOID AFTER APRIL 10th, 1914

Bear in mind—both the Peerless-60 All Metal Incubator and the Simplex Perfection Feather Brooder are sold to you under a positive guarantee of "money refunded if not entirely satisfied."

For that reason we say—order direct from this ad—right now, today.

SIMPLEX SUPPLY HOUSE,
Pontiax Bldg., Chicago, Ill.
Gentlemen:—Enclosed find $9.00 for which please ship me **One Peerless-60 All Metal Incubator and One Simplex Perfection Feather Brooder.**

Name _____

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SIMPLEX SUPPLY HOUSE

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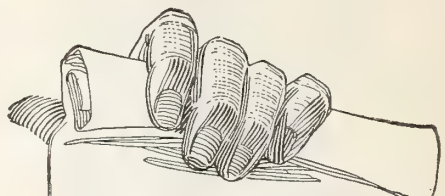
I Will Tell You How to

Make Poultry Healthy
Make Hens Lay
Make Chicks Grow



GILBERT HESS

Doctor of Veterinary Science
Doctor of Medicine



U. S. Dispensatory
Medical Colleges
Noted Veterinarians
all certify the ingredients of
Dr. Hess
Poultry Pan-a-ce-a
to do just what I claim for them.

Nux Vomica. A nerve tonic.
Quassia. A bitter stomachic and appetizer.
Carbonate of Lime. An antacid and shell-forming.
Hyposulphite of Soda. An internal antiseptic.
Iron (Sulphate). A blood builder.
Iron (Red Oxide). A blood builder.
Potassium Nitrate. An eliminant.
Sodium Chloride. An appetizer and cleanser.

Under the supervision of Dr. Hess (M. D., D. V. S.) the above is carefully compounded and blended with just enough cereal meal to make a perfect mixture.

The crying need of the poultry raiser right now is healthy, fertile eggs for hatching. Mating time is the time of all times that poultry need a tonic and internal antiseptic to put them in the pink of condition—free from disease. Then you get healthy, vigorous chicks that stand a far better chance of reaching maturity. Your hens should be toned up and in the pink of condition right now. The egg organs should be active and responsive, the appetite good and digestion likewise; and let me remind you of one thing before the chicks do come—more than one-half the yearly hatch succumb to Gapes, Leg Weakness, Indigestion and Lice and most of these can be avoided.

Being a doctor of medicine and a doctor of veterinary science, twenty-five years ago I combined science with poultry culture. I have learned what poultry need to make them healthy, what hens need to make them lay, and what your chicks need to help them along to a robust henhood. And I now urge you to start right in and feed your flock my prescription—

Dr. Hess Poultry PAN-A-CE-A

Not a stimulant, but a tonic.

In this scientific poultry preparation I have put every ingredient that my twenty-five years' expereince tells me poultry need to make them well; that a hen needs to make her lay; that chicks require to make them grow. It cures cholera; an excellent constitutional treatment for Roup; cures Gapes, Leg Weakness, Indigestion and the like. In my left hand I hold the formula of my Pan-a-ce-a, showing every ingredient, what each ingredient is for and certified to by the U. S. Dispensatory---one of the world's greatest authorities.

I absolutely guarantee that Dr. Hess Poultry Pan-a-ce-a will make your poultry healthy---will tone up the dormant egg organs and compel each hen to lay regularly---help chicks grow---get fertile eggs for hatching and shorten the moulting period.

So sure am I that my Pan-a-ce-a will pay you and pay you well, that I want you to take the coupon at the bottom of this page to my dealer in your town and he will give you a trial package absolutely free of charge. I have also authorized him to give you enough Pan-a-ce-a for all your poultry, and if it does not do all that I claim, return the empty packages and get your money back,

Remember this, Dr. Hess Poultry Pan-a-ce-a is never sold by peddlers, but only by reliable dealers whom you know. 1½ lbs, 25c; 5 lbs. 60c; 25 lb. pail $2.50. Except in Canada and the far West.

Don't forget to get your trial package---it's free---take the coupon to my dealer in your town. If no dealer in your town, send us five cents in stamps to pay postage, give us the name and address of your dealer and we will send the trial package direct.

DR. HESS & CLARK, Ashland, Ohio.

Dr. Hess Stock Tonic

Your stock need this tonic and laxative conditioner now. There's nothing better to put horses in trim for hard spring and summer work. Milch cows need it badly just now to prepare them for the heavy milking season ahead. Dr. Hess Stock Tonic makes all stock healthy---keeps them toned up and expels worms. Sold under a money-back guarantee. 25 lb. pail, $1.60; 100 lb. sack $5; smaller packages as low as 50c. Except in Canada, the far West and the South. Send 2c stamp for my new free Stock Tonic book.

Dr. Hess Instant Louse Killer

Kills lice on poultry and all farm stock. Dust the hens and chicks with it, sprinkle it on the roosts, in the cracks or, if kept in the dust baths, the hens will distribute it. Also destroys bugs on cucumber, squash and melon vines, cabbage worms, etc., slugs on rose bushes, etc. Comes in handy, sifting-top cans, 1 lb. 25c; 3 lbs. 60c. Except in Canada and the far West. I guarantee it.



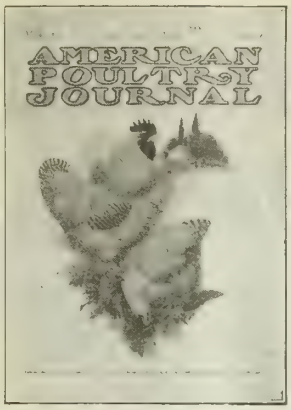
Name

Address

Please hand bearer of this coupon a trial package of Dr. Hess Poultry Pan-a-ce-a absolutely free—to feed 12 hens for 2 weeks. Also give bearer my free new poultry book.



FOR THE POULTRYMAN



The American Poultry Journal

the paper that prints the poultry news that is accepted as authentic

The American Poultry Journal is the paper that leads—it is the One Great Poultry Paper of America; it is the oldest, largest and best. Established in 1874. Contains as high as 252 pages per issue. It is the only Journal that has a colored supplement and colored cover. Its editorial staff embraces the most noted poultry authorities in the country. It tells you how to breed and raise better birds, how to prevent disease in your flock, and how to cure the ailments of your birds. It is the first aid to all owners of poultry—tells you how to construct poultry houses, how to run your incubator and brooder so as to get the best results. In fact, each issue is an encyclopaedia of poultry.

FOR THE DAIRYMAN

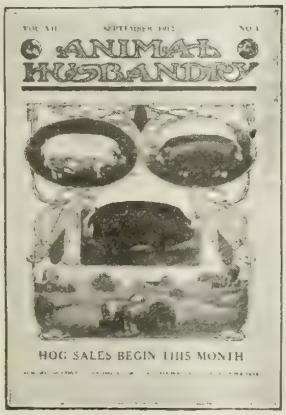


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Farm and Home, the paper that lives up to its name. Published twice a month at Springfield, Mass.; deals with everything of interest to the housekeeper, farmer, gardener, fruit grower, dairyman and farmer. It is chuck full of knowledge and advice of home and farm experts. All in all, it is conceded to be one of the best papers of its kind in the country.

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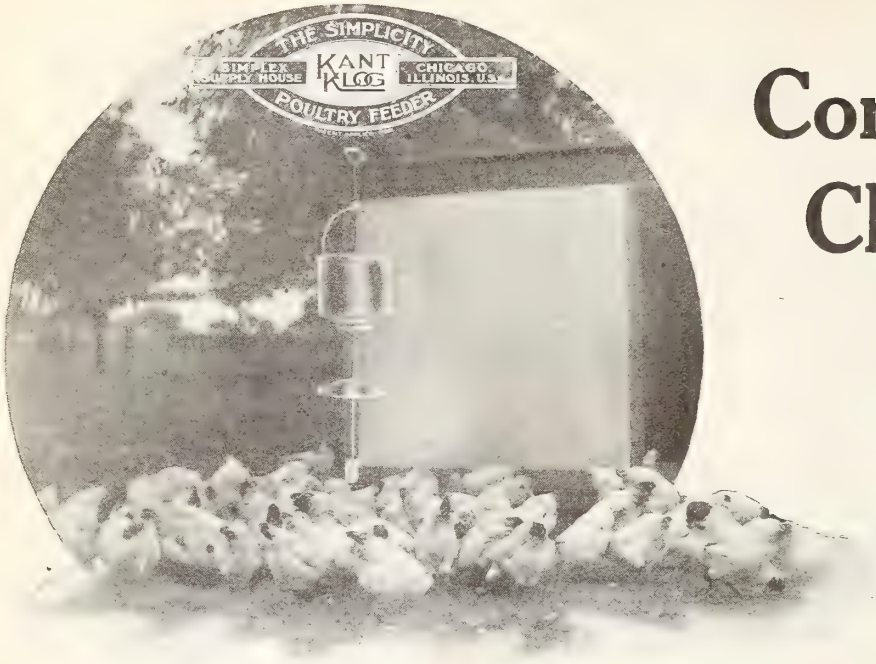
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IT is the one necessary poultry appliance that every raiser of poultry cannot afford to be without. No matter if you raise six or six thousand chickens, the time and feed you save, not counting the extra egg yield—more than pays the cost. This feeder will feed anything from whole corn to millet seed—it cannot clog—it is rat and sparrow proof—go away whenever you want to, you need not worry; the chickens will be fed correctly—in fact, this feeder is perfect in every way.

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the world's leading poultry authorities recommend the use of properly constructed automatic poultry feeders — our guarantee of money refunded if not satisfied, is your proof that this feeder is properly constructed.

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Baby Chick size.....$1.25 6-Qt. Low Coop size $1.50
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Discount on Large Quantities

We want to call special attention to the "Low Coop Size". Just think of it—only $1.50. This is a limited offer.

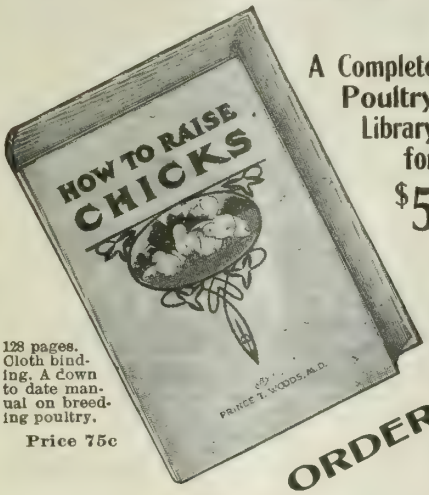
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REMEMBER You buy Simplicity Kant-Klog Feeders on a positive guarantee of "money refunded if not entirely satisfactory." Write for complete poultry appliance catalog today. We can save you money.

SIMPLEX SUPPLY HOUSE, PONTIAX BUILDING, CHICAGO, ILLINOIS

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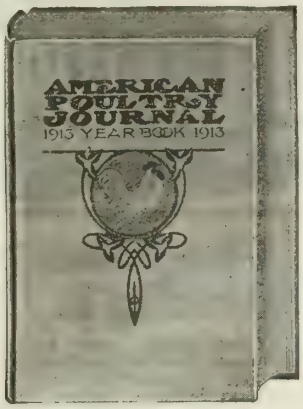
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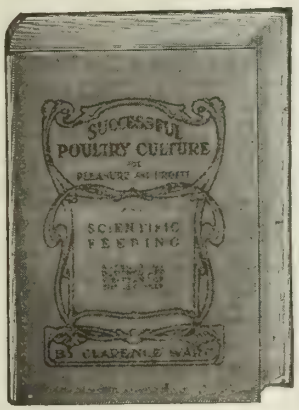
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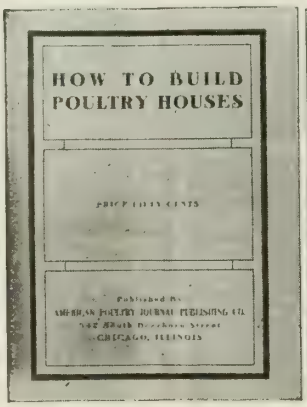
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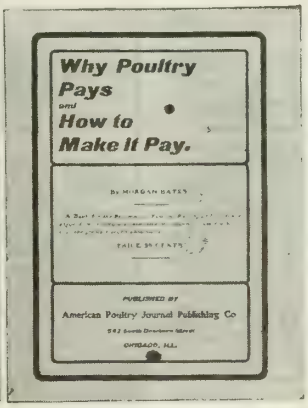
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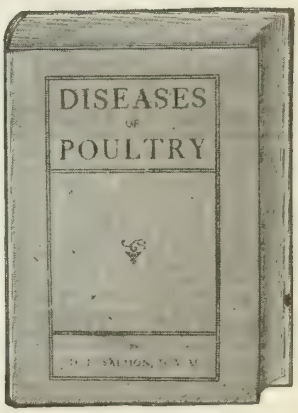
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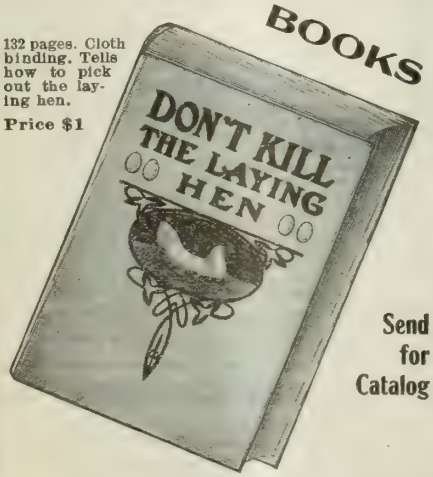
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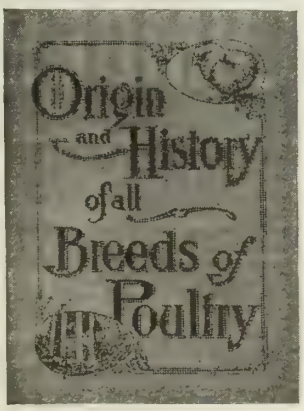
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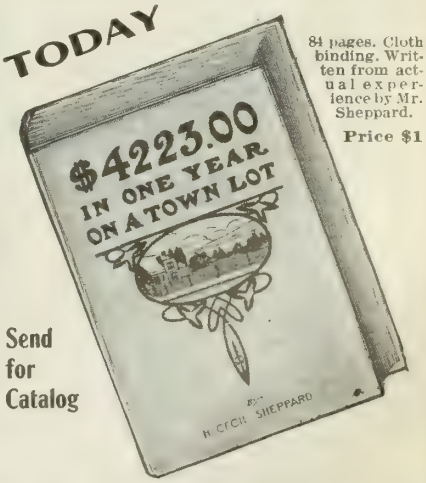


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1¼c Per Square Foot

Here is the chance of a lifetime to buy the best roofing in the world, at a mere fraction of its real value. Our enormous buying power enabled us to pick up for spot cash a stock of this brand new, perfect corrugated, "V" crimped and Standing Seam Roofing and Brick Siding, at a tremendous sacrifice—'way under what it is actually worth. Immediate cash needed made possible this purchase. Just another chapter added to the long list of our famous bargain sales.

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Galvanized STEEL ROOFING

2¾c Per Square Foot

Another big Steel Roofing Bargain. Several thousand squares of the very highest grade specially coated, corrugated, galvanized roofing and siding, made of specially prepared steel, of superior quality. Best roofing and will last indefinitely. We'll furnish it in suitable lengths for any purpose. Only a limited quantity on hand, so we urge you to send us your order immediately. Don't wait to write us again—order today, while this stock exists. Price only 2¾c per square foot, and will outlast 4 to 1. Just drop us a line, and tell us the size of your studding and general facts, and we will help you to select proper sheets. If you are not ready to use the material now, we will reserve it for future delivery, if you will give us a small deposit on account. This price of 2¾c per square foot is for our Lot CE-800 corrugated material, and is delivered on board cars at Chicago. If you prefer some other style, we will furnish it. We have this same grade in "V" crimped, Standing Seam and Brick Siding. Samples on application.

Ready Roofing With Supplies

62c Per 108 Square Feet



We have several thousand squares of a superior quality Ready Roofing, which we are offering in our AJAX BRAND, 1-ply, at a price of 62c per square of 108 square feet, including necessary cement and caps to lay it. This is undoubtedly the most remarkable bargain ever offered in Ready Roofing. This famous brand is put up 3 or 4 pieces to a roll.

The price of 62c per square of 108 square feet is loaded on board cars at Chicago. We will, however, make a freight prepaid price on this same grade of roofing, including nails and necessary cement of 85c per roll of 108 square feet, and at this remarkably low price

We Pay the Freight

in full to any point east of Kansas and Nebraska and North of the Ohio River.

We will also furnish 2-ply, at 90c; 3-ply, at $1.05.

This Ajax Roofing is guaranteed to wear as long and give as good service as any Rubber Surface roofing on the market.

SEND FOR SPECIAL ROOFING CATALOG AND SAMPLES

Write at once for our Special Roofing Catalog. Free samples and full instructions for laying roofing.

Chicago House Wrecking Co.

Now operated under the name of Harris Bros. Company.

For 22 years the Chicago House Wrecking Company has been well and favorably known to the public. During all these years the four Harris Brothers have been the executive officers and owners, and for that reason have finally decided to operate under the name of HARRIS BROTHERS COMPANY.

There is no change in our business, except that in the future the four Harris Brothers will advertise and sell their goods heretofore advertised and sold under the name of Chicago House Wrecking Company, under the name of HARRIS BROTHERS COMPANY.

Our Guarantee

We guarantee absolute and complete satisfaction. There is no half way about this guarantee. Every purchase you make from us will be exactly as represented, and you will be satisfied in every way, or we will make such just amends as are within our power. We will take back any unsatisfactory article at our freight expense both ways and refund the purchase price. We refer as to our responsibility, to the publisher of this or any other publication, any bank or express company, and to the public at large.

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20,000,000 Ft. of New Lumber at Our Yards and Warehouses ready for Quick Delivery

We have upwards of twenty million feet of first class, brand new lumber for the construction of buildings of every kind. A wonderful stock of the very finest millwork, interior trim, etc.—enough material to construct cities and villages everywhere. It is our determination that 1914 will be the "Banner" year in the history of our Great Lumber and Millwork department, and the way we will accomplish this, is by quoting prices that undersell any possible competition. The proof of this is in our catalog and literature.

Write today and tell us what you contemplate improving or building during this Spring—talk to us plainly, and we promise you the advice straight from the shoulder. No other concern in the world is equipped such as we are. Right in our main yard and warehouses, at Chicago, we can load you out complete, at one time, and in one carload, every single article required for the improvement of the building you have in mind. No where else can you go and get such service.

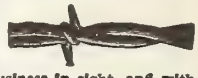
Personal Service To You

You can get the kind of service that will give you absolute satisfaction—satisfaction from the word "go." If you have ideas of your own as to the kind of building that you want, we will give you the benefit of the Greatest Architectural Department in the world. Will furnish you with plans according to your own ideas, and will quote you a price on the material that will make you a wonderful saving. Dollars saved are dollars earned.

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Brand New WIRE FENCING Less Than 1 cent Per Running Foot



Biggest of all offers of the past. We come to you with the most wonderful proposition ever known, and offer you the very best woven wire fencing at a fraction of its real value; lower in price than ever before, notwithstanding that all other merchants and manufacturers have advanced their prices on fencing. We are determined to simply get all the business in sight, and with that in view, we bought up from manufacturer's sales, 150 carloads of High Grade Woven Wire Hog, Cattle, Field and Poultry Fencing, Barb Wire and Nails, in quantities sufficient to take care of our regular customers and those who will quickly respond to this advertisement.

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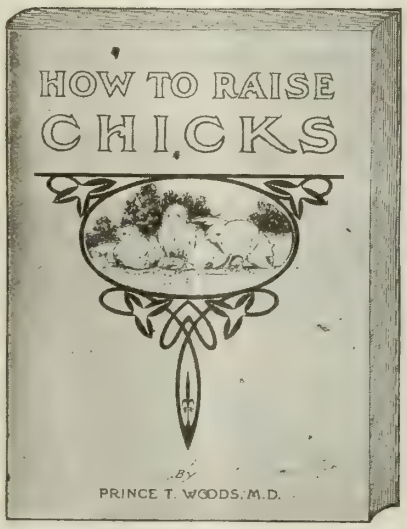
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The Successful Rearing of Young Chickens

What to Do with Baby Chicks—How to Make Them Thrive and Grow—Seasonable Suggestions for Work with Small and Large Flocks.

By Prince T. Woods, M. D.



COMFORT for the chicks is the keynote of successful chick rearing. We assume, of course, that the eggs used for hatching were out of sound, healthy breeding stock, fresh-air housed; bred, fed and managed for maximum constitutional vigor; also that the chicks were well hatched, whether by artificial or natural methods. One can not expect much success in chick rearing unless the chicks are well bred and well born. Poor conditioned parent stock and poor or faulty hatching is a tremendous handicap and does not give the brood a fair start in life.

Every good, fertile egg from sound breeding stock will not hatch, but the majority of the eggs, those containing the best chicks, will hatch. Whether you hatch the eggs under hens or in an incubator, you are bound to get some chicks dead in the shell. A good deal depends upon the season, the number of eggs being produced, and the way they are kept before incubation, the number of eggs incubated, and on conditions during incubation. Don't expect too much; try to be satisfied with a fairly good percentage of liveable chicks. A friend of ours making a two-year test with both artificial and natural incubation, carried on right through the year, found that natural hen incubation averaged seven chicks to the sitting of thirteen eggs and that with incubators he averaged fifty chicks per 100 eggs. He was an expert at both methods.

Every well-hatched chick will not live to marketable maturity. There will always be a small percentage of mortality. You may raise all the chicks in some broods, but if you grow many chicks you cannot expect to raise all the chicks in all broods. With good food, good care and good management, if the chicks are well born and well bred, you can keep the loss within 5 per cent when operating under reasonably favorable conditions. There is usually less mortality among small broods than among large ones. The more birds you put in one flock or brood the greater the risk. It takes some time to get good eggs for hatching and then three weeks to get the chicks. Loss of that time and the chicks may mean the loss of the best profits of the season. For that reason we would rather do a little more work and run a little less risk. Big broods may save a lot of labor, but to put 1,000 to 2,000 chicks in one brood is a pretty big gamble; if you win you make good, but if something goes wrong you may lose a great deal and with no chance to make it up until another season.

Comfort for the Chicks.

We named chicken comfort as the keynote of successful chick rearing. It means a good deal. The chicks are to be kept comfortable at all times; well brooded, neither too hot nor too cold; well fed on wholesome food; clean water to drink; clean quarters; no crowding or "milling"; no rough handling; opportunity to exercise in the open, and good care and management all the time. Every brood of chicks is not like every other brood out of eggs from the same stock. You will find that every brood differs somewhat from any other. Make each brood, the comfort of the chicks themselves, your guide in handling them. Keep them comfortable, well fed and happy.

Don't think that you must have a fixed, ironclad rule that must be followed with every lot of chicks. The man who cannot recognize chicken comfort and who cannot adapt his routine methods of handling broods sufficiently to meet different conditions or special emergency cases has no business to try to grow chicks. Chick rearing is not purely mechanical and it requires a reasonable amount of hen sense. Study the broods and let them be the guide.

We recall a certain operator who depended a good deal on hired help; he made hard and fast rules about feeding and quantity of food. In moving about some flocks being finished off for market, two pens (either accidentally or because there did not happen to be room elsewhere) got a double number of chicks, nearly twice as many as were in the other finishing pens. About 2,000 were being given the last three weeks' finish feeding before marketing. No one noticed the extra number in these two pens and feeding went on by rule as before. When killing time came things ran along smoothly until the doubled-up pens were reached; then a howl went up from the pickers, and investigation showed nearly 200 thin, half-starved chickens in the doubled-up pens that had for three weeks been getting only just about enough food to keep them alive. With a little more observation on the part of the attendant and a little consideration for chicken comfort a mishap like that could not occur.

Food for the Chicks.

There are a number of good chick foods on the market. Good, if you get them from new, fresh milled stock that has been properly handled. In chicken time cracked grains spoil quickly and even stocks of well-cured corn may prove troublesome.

Spoiled grain is never safe to feed. Spoiled cracked grain mixtures kill chicks by the thousands every year. The greatest danger is in spoiled corn—corn affected with "green heart," a disease of the corn germ brought about by careless curing and improper handling. "Green heart" corn is poisonous and will kill chicks. Good, sound, crib-cured corn of No. 1 or No. 2 grade, and preferably well-kept old corn, is best for use in chick foods. Don't imagine that because grain has been kiln dried that it is any safer to feed. If the grain was spoiled, or beginning to spoil, before kiln drying it is just as poor food and just as unfit for food as it was before drying. Kiln drying does not lessen the danger or get rid of the poison; it merely stops the spoiling for the time being and gets rid of excess of moisture; it will not improve the quality of poor grain.

Don't accept cracked grains, or cracked grain mixtures, if any of the contents look greenish, bluish, or smell or taste moldy, sour or musty, insist on bright, new, fresh goods that



Photo No. 1.—For success in chick rearing get your hatching eggs from sound healthy breeding stock, fresh-air housed; bred, fed and managed for maximum constitutional vigor. A Woods' house in the woods.

are sweet and wholesome. Never feed spoiled grains. Observe care in handling and keeping your supply of grain foods to avoid having them spoil on your hands in chicken season.

Because the quality of the grain is so important, and because we have experienced so much difficulty in getting cracked grain mixtures good enough to suit us, we prefer to grind our own chick food for home use. We like to have it fresh ground as needed and not over a week's supply on hand at one time. Where the flocks are large, it is comparatively easy to do all grinding and cracking of grains with a power mill and gasoline engine. The small flock poultry keeper will find a hand power grinding mill adapted to his needs and will find grinding hard work, but we think that it pays.

Home Ground Chick Foods.

There are four grains that are really essential in chick rearing: Indian corn, preferably one of the small kerneled, yellow flint varieties, cured first on the stalk and then in a roofed crib; only good, sound corn should be used. Good milling quality wheat, hard variety preferred; the wheat must be sound and sweet; don't use screenings. Heavy white, Northern-grown "clipped" oats; get well filled, fat grained oats, the kind that will weigh from 38 to 42 pounds to the struck bushel. Good, sound, heavy, well filled barley; insist on clean, first quality barley and don't take the common damaged sort. See that all of above grains are sound and sweet, free from any trace of mustiness and clean, with little or no dust. Your success with young chickens depends a good deal on starting right with wholesome food; you can't keep them comfortable with poor food.

A good chick food can be made by grinding together equal parts of corn, wheat, oats and barley. Grind it so that the coarser particles of corn are about the size of "steel cut" or "pinhead" oatmeal. Feed the mixture dry just as it comes from the grinder. It is not necessary to sift out the oat and barley hulls. It is surprising how well little chicks will clean up a fresh ground mixture of this kind.

Oats, ground hull and all, as fine as special oat grinding burrs will grind them, are excellent for chick feeding, fed dry. Barley may be omitted from the food mixture if difficult to obtain a good quality at a fair price, but we like it in chick food mixtures and believe that a combination of oats and barley help wonderfully to keep chicks' digestive organs in good working order.

Another good four-grain combination for chick food is: Corn, one-half; wheat, one-fourth; oats and barley, each one-eighth. Parts by measure. Mix all and grind together to desired size for feeding. Another is: Corn, 50 pounds, wheat, 18 pounds; oats, 16 pounds; barley, 16 pounds. Mix and grind together. Vary the size to suit the age of the chicks, or grind whole to flour fineness and feed as a dry mash. Other chick food formulas will be found in the book, "How to Raise Chicks." (See book announcements in this issue.)

Wet and Dry Feeding Both.

Rolled oats are good as a starting food for small chicks. We feed them plain and dry, or mixed with dry ground mixtures. Sometimes mix them with ground bread crumbs (baked dry) and moisten into a crumbly mash with either sweet or sour milk.

In using milk for small chicks, use it either always sour or always sweet. Don't alternate sweet and sour milk feeding unless you want to start trouble. We believe the best use to make of milk for chick feeding is to sour it and then make curd or cottage cheese and feed that to the chicks as a variety food. Mix the whey with some good mash mixture and feed it to the adult fowls.

The basis of our chick feeding is dry food. Moist foods are only fed as a variety ration; the staple diet is mixed grains, ground and fed dry. The fine ground foods are fed from a trough or hopper and kept always before the chicks. Where automatic feeders are used for scattering chick food in litter the ground mixtures must be sifted and only the coarse particles used in the feeder. Feed the fine stuff in an ordinary hopper or trough. To sift the chick food is easy. Simply make a long wooden trough and fit the top with a screen of copper wire netting such as is used for mosquito screens. Place this at a sharp incline beneath the spout of your grinding mill and arranged to discharge the coarse grains into one bag and the meal into another. Gravity will do your sifting, quickly, as you grind. Small chicks will work automatic feeders satisfactorily when three days old and it is a great help in feeding large flocks. Best quality beef scrap can be sifted and chick-size particles fed in automatic feeder mixtures if desired.

Well boiled rice (get a good quality of unpolished cracked rice or some small grained rice) is an excellent variety food during the first ten days, as is also the combination of rolled oats and bread crumbs, milk moistened, mentioned above. Rice should be washed in cold water before placing to boil. Season with a little salt and cook in a double cooker until thoroughly done and all water absorbed. Let it cool before feeding. During first week a little hard boiled egg (use infertile eggs tested out of incubators, but not those from under setting hens) makes a good addition to the ration. Mash it up, shell and all, or cut in halves and let chicks pick at it.

Beef scraps, if good, may be fed from the beginning, but we like best to hold off on scrap until after the first week. Fresh fish, scalded, is relished at any time and is good food if you don't overdo feeding it. Bugs and worms are natural meat food for chicks and the sooner they get a chance at them the better.



Photo No. 2.—Individual out-door brooder flocks can be successfully grown out of doors in cold February weather. This brood was. See Dr. Woods' book "How to Raise Chicks." A bank of earth from brooder door to ground is the easiest runway for chicks to learn to use.

Raw potato, cut and fed in chunks, is eagerly eaten and relished, and is good for chicks from the start. Grass and grain sprouts chopped fine are good. Chopped dandelion leaves make a good tonic green food. After chicks are ten days old they will take sprouted oats just as they come from the sprouter. Feed sprouted oats when the sprouts are about an inch long or under that.

Coarse sand, fine ground oyster shells, kiln dried granulated raw bone, charcoal, and clean drinking water, keep where chicks can have access to them at all times. (Chick feeding in more complete detail is taken up in the book, "How to Raise Chicks.")

Rearing Chicks With Hens.

There are many good brood coops for hens and chicks. Choose one that suits your own fancy and convenience. We prefer to confine the hen close to the coop and to let the chicks range. Unless your chicks are all of a size and one color, don't get brood coops too close together. A mother hen is often most murderously inclined toward any but her own chicks. Where a number of coops just alike are used, it is well to have some distinguishing mark or color for each coop. The chicks will quickly learn to identify their own home and keep out of trouble.

Locate the brood coops in a sheltered place or provide shade so that the hen can have comfort. Give her a small yard in front of the brood coop and have a slatted front for same for convenience in feeding. Feed and water both hen and brood outside this yard, so that she cannot scratch everything about and waste food. Place food and water where the hen can reach it comfortably through the slatted front. Arrange brood coops so that you can attend to your flocks without wasting steps or time. As yards and farms differ so much, every poultry keeper will have to decide on the easiest way for his particular location. An arrangement that might be good for one would in all probability be inconvenient for another worker. We don't believe in wearing deep ruts and keeping in them.

Keep brood coops clean. Mites abound in some localities and are more troublesome some seasons than others. Red mites live in the woodwork of the coop and feed on the blood of the hen and chicks. They are nearly colorless when empty and hungry; it is the blood of your birds that gives them the bright red or dark color. Mites will kill brood hens and their chicks if allowed to multiply. Pigeons and sparrows help to spread mites over the plant.

A good remedy for mites is a spray mixture made by dissolving one pound of naphthalene flakes in a gallon of kerosene. All of the flakes will not dissolve, but you want an excess to make sure of a saturate solution. Apply to the woodwork with any good hand spray pump.

Lice are less dangerous than mites, but are very troublesome. Usually the mother hen is the chief source of lice. Dust her thoroughly, down to the skin all over, with a good lice powder and repeat the operation in ten days. The best lice powder we ever used is pure, fresh ground Persian pyrethrum (Persian pellitory or Persian insect powder.) It usually costs 30 cents a pound in bulk and is not good unless pure and fresh. Commonly it is heavily adulterated. If good and pure, two thorough applications ten days apart will get rid of lice for several months. The cheapest, effective lice powder is tobacco dust. In some sections this can be bought at a very low price from dealers in tobacco products.

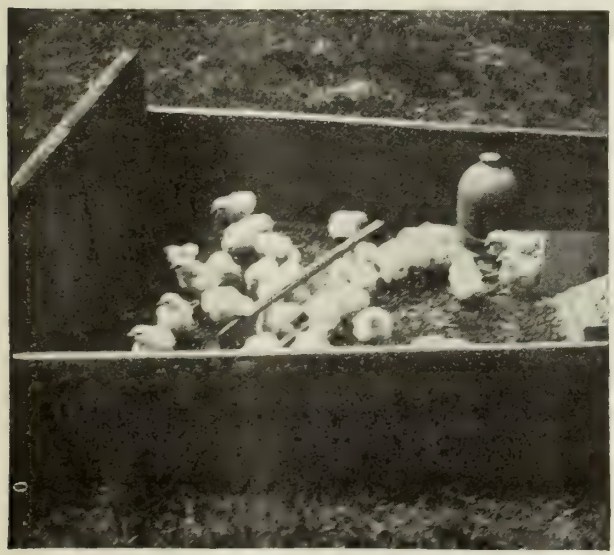


Photo No. 3.—Boards make good wind-break runs for the first outings of brooder chicks. (Photo by Dr. Woods.)



Photo No. 6.—Light Brahma brooder chickens working an automatic feeder on a Massachusetts market poultry plant. Twenty such feeders in this orchard successfully fed 1,000 chickens. (Photo by Dr. Woods.)

A good brood hen can comfortably care for from fifteen to thirty chicks, according to season; and we know of a few poultrymen who, in mild weather, have made one hen care for a brood of sixty chicks. In such large broods it is difficult to keep the chicks comfortable and the loss is greater.

Baby Chicks and Brooders.

Baby chicks do not require food until from 36 to 72 hours after hatching. Just after hatching they are most in need of warmth, rest and let-alone treatment. The best place for them is in the nest in a darkened incubator (not too tightly closed), or in a good day-old chick shipping box. One reason that day-old chicks stand shipment so well and do so well is they are taken direct from the incubator and placed in the shipping box without food. Twenty-five of them in a compartment are quite snug and comfortable, and they get mostly let-alone treatment until they arrive at destination. Transportation does not bother them nearly as much as would some fussy attendant had they remained at home. Chicks are well supplied with food when hatched. The letting alone during their journey helps them to get into condition to be fed and they arrive ready to be brooded, fed and watered and make a good start in life.

When a newly hatched chicken is ready for food it will set up a persistent, hungry cry that cannot be mistaken, and will keep it up until satisfied. Don't feed them too soon; when thirty-six hours old is soon enough.

If you have ordered day-old chicks be sure to have your brood hens, or your brooders, ready and waiting to receive them on arrival. Don't wait to get ready after the chicks arrive. If you intend to brood the chicks with hens, the hens should have been sitting some time, should be in darkened nests and should not have their new chicks until just about dark. Shut the chicks in the nest with the hen over night. She will usually adopt them if you do this, but if you try to force day-old chicks on her in broad daylight she may turn nasty and kill them instead of brooding them.

There are many styles of brooders: fireless brooders of fibreboard, wood, and metal; heated brooders of hot-air and hot-water types and combined water and air heating. An experienced operator can do very good work with almost any of them. Nearly all of the brooders are over-rated as to capacity (number of chicks they will comfortably care for); just why manufacturers always rate a 50-chick brooder at 100-chick capacity we don't know.

Directions for operating come with all brooders. Fireless brooders will raise good chicks under favorable conditions, but call for a lot of fussy work on the part of the attendant.



Photo No. 4.—Test broods of White Plymouth Rocks in fibreboard cold, or fireless brooders, out for an airing. The brood boxes were kept in a piano-box coop at night. Mortality in this lot of chicks was less than 2%, but they required a lot of patient attendance.

Until he has his broods well started he has to play mother hen and hustle them into the brood box often to warm up and dance attendance on the brood pretty constantly; but for some folks it seems to come easier than tending brooder stoves and lamps. Fireless brooders have to be run in a special brood coop or in an indoor rearing room. Keep all brooders clean, sand floors and use litter of cured cut clover or hay mow chaff and renew often.

Lamp-heated brooders of the out-door type will do excellent work. Some styles can be operated out of doors in February in Massachusetts; and usually it is pretty cold with much zero weather. The directions all give rules as to temperature of hover; we pay very little attention to the thermometer after we have a brooder heated up and running evenly. Run the brooder empty at first with the temperature at 90 degrees; when the chicks are put in it will go up, but never mind that, let the lamp alone. Keep heat enough under the hover to keep the chicks comfortable; even if it runs up to 110 on cold nights. If the chicks are comfortable they will be peeping out from beneath the hover and perhaps wholly outside the edge of it and when found like this the heat is usually just about right, with a surplus to take care of any temperature drop during the night. If the chicks are all in under the hover, out of sight, or if they huddle and crowd, there is not heat enough. You want heat enough under the hover to warm the chicks up quickly and to make them spread out comfortably when they go to sleep.

When operating out-door brooders in winter we have, shortly after shutting up the brooder on a cold night, found the hover temperature at 115, but we made no attempt to lower the lamp flame because it was burning at about the height experience taught to be necessary to go through the night comfortably for the chicks. The brooder had been opened and aired often during the day and had ample ventilation anyway. With such conditions, on below zero nights, the chicks have been entirely comfortable and come along in good shape, yet we have had water freeze in the drinking fountain inside the brooder not more than eleven inches from the outer edge of the hover.

Be sure that your brooder has a cool chamber as well as the warm hover chamber. Preferably put the chicks in the brooder in the afternoon with just about time enough to feed a little while before they go to bed under the hover. Take time to teach them to go under the hover. Repeat the lesson until they learn that under the hover is the place to warm up. Keep them in the hover chamber until they learn to use the hover, then let them learn to use the cool apartment in the same way. Don't let them huddle in sunny or cool corners. If they get the habit of huddling in a sunny corner, they will crowd in that corner some dark cold day from habit and you'll lose. Some broods learn very quickly and others are slow. It pays to be patient and to teach them their lesson thoroughly. When brooder broke teach them to use a sheltered run outside the brooder on pleasant days. Boards make a good wind-proof starting run. Make a little bank of earth from brooder door to ground; it is easier for the chicks to learn to use it than any other sort of runway. Operating brooders is merely a matter of using common sense, being a bit observing and keeping the chicks comfortable. If you take pains to teach the chicks and start them right they will give very little trouble. If you make a wrong start you will be in trouble all the time.



Photo No. 7.—Weaned White Plymouth Rock chickens, housed in piano-box coops on a clover range of a Massachusetts market poultry plant. (Photo by Dr. Woods.)

Size of Brooder Flocks.

The size of brooder flocks depends on the type of brooder used. For fireless brooders 50 chicks should be the brood limit in cold weather and 30 chicks in mild weather. For most types of individual lamp-heated brooders 50 chicks is enough; though some will take 75 or even 100 chicks comfortably. It is a good plan to divide the manufacturer's capacity rating by two and sometimes by three.

Large flock colony brooders of the coal-stove type are becoming popular and require a special room or building. The 600 chick size is just about right for 300 chicks comfortably, and



Photo No. 8.—Nine weeks old White Wyandottes, 2¼ and 2½ pounds weight respectively. Grown on dry food ration. (Photo by Dr. Woods.)

the 1000-chick size will do better with 500 chicks than with full capacity; at least so experienced users tell us. For brooder house broods where hot water or combination hot air and hot water systems are used, 100 chicks is about right for a brood unit.

Keeping Out of Trouble.

Keep your chicks comfortable, give them good care, plenty of water, greens and a variety of good wholesome food and you will keep out of trouble. Don't let the chicks get very hungry. If you are forcing them for market growth with forced feeding methods, watch them carefully. Indigestion and intestinal irritation are the commonest troubles. The chicks get weak in legs, wabbly, droopy, or have fits. Should trouble start, first stop feeding. Try to find the trouble and remove it. Fasting for a few meals won't hurt the chicks. Before giving them regular ration again keep them for a few days on a diet of scalded milk thickened to consistency of cream with well-boiled flour and seasoned with just a little salt, nutmeg and ginger. Return to the regular ration gradually.

Well-boiled flour is prepared by putting good white bread flour in a muslin sack and tying it up tight close to the flour; then plunge in boiling water, keep well covered and boil vigorously for six hours. Take out the ball of hard-boiled flour and finish drying in the oven, but don't scorch it. Pound this up to thicken the scalded milk.

Sickness from feeding on spoiled or soured food can seldom be remedied in time. Feeding too much wheat and cracked wheat will sometimes cause sour or puffed crop. Prevent such troubles by good management. White diarrhoea is a disease which comes from the parent stock. It is discussed in detail

in "How to Raise Chicks." White diarrhoea broods will start to die off by the second or third day, be going like sick flies by the sixth day and most of those that are going to die will be gone by the tenth day. Those that live, from such broods, are not fit to keep. They should be killed as soon as they reach marketable size. Pullets reared from white diarrhoea flocks will have diseased ovaries and if they lay, their eggs will hatch white diarrhoea chicks. Stop the trouble at the fountain head.

Brooder chicks are ready to be weaned when six weeks old as a rule; sometimes a week or two older in extreme cold weather.

Discussion of Miscellaneous Poultry Topics

Handling Green Food. Using Power and Factory System on an Egg Farm. Wet or Dry Mashes. Balancing Foods. Parcel Post. Breeding Charts. *By H. H. Stoddard*



IN PREPARING and feeding cut green stuff, when there are some thousands of laying hens to be supplied, and the yards are on the convergent plan, there is much room for invention.

It was at first suggested that building containing engine, vegetable cutter, and pumping fixings for automatic watering, be located at or near the inner court so as to carry out the basic idea of having all the work possible performed or controlled at central headquarters,—"save steps" being the motto from a to izzard.

As the engine to pump water for the elevated tank to supply pressure for the watering apparatus will be run intermittently, it would be inconvenient it would seem, to have to go some distance to start it or stop it. Again, since the granary is in the court, suppose your engine runs a grinder to crack corn, that you are bound to have fresh and absolutely perfect for your young chicks; would it not seem very handy to have the grinding apparatus close to the granary itself?

But here arises the consideration that the chopping and distributing green stuff involves the biggest job on the egg ranch. True, much can be done by harrowing in oats in sundry patches in various parts of the ranges, and Bermuda grass plots, under the Skinner system, as previously described, and the utmost ingenuity exhausted in every sort of vegetable available in this region, to enable the birds to graze. When they harvest and chop their own vegetables that is surely the way of the greatest labor saving of all. But young chicks must have greens finely cut and delivered to them, and probably this will apply to all immature stock of different stages of growth, so, as I have said, the green stuff branch involves the biggest labor bill on the farm.

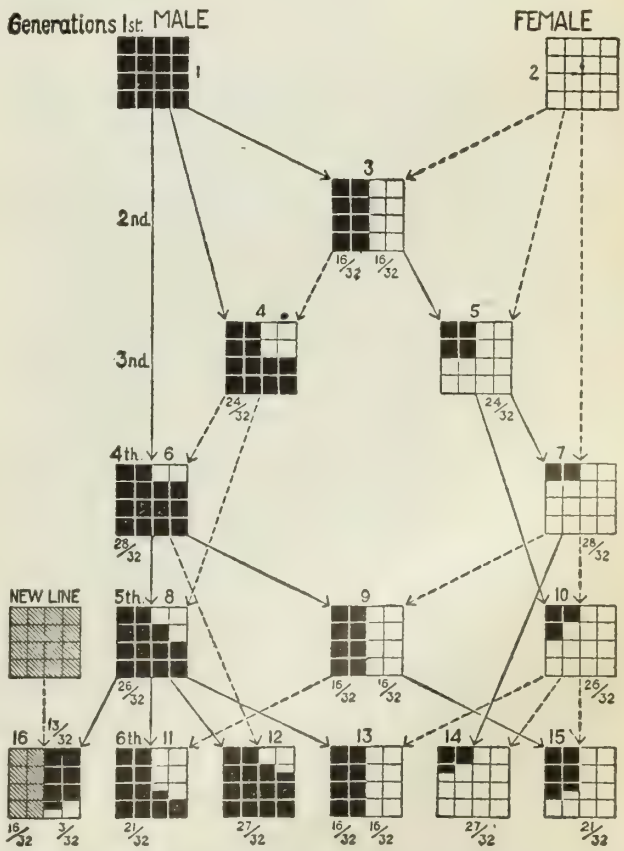
Now it will be seen that location of engine and chopping machine is of more importance than location of other apparatus because of the great amount of labor connected with green stuff. Place it with pump, elevated tank and all the paraphernalia, at the butt end of the convergent yards instead of at the inner court and have it on the side nearest three things, to-wit: dwelling of the attendant, "sass garden" where green stuff is raised, and stable of team, or garage, if horseless plan is used. Then you can haul the stuff from garden to chopper with the minimum of travel, and haul the chopped material, not to inner court, but around the outside of the whole group of convergent yards, to be fed there on the four or more ranges, the team or auto not to enter the yards at all.

True this will make the trip to distribute chopped stuff a long one, but it cannot be helped. Having retained lots of work at the inner court you must be content to waste considerable time on traveling for this particular job. Consolation—you ride. No walking about it and as nearly every other blessed thing you do is on foot, a change is good for you. The stuff must not be fed in any sort of box or hopper. It must be scattered widely so that all may have a chance, and several times a day all that they will clean up quickly, so that none will be wilted and wasted. If you can have a strip of permanent Bermuda sod running entirely around the outside of the system of yards and maintained intact, on which the stuff can be scattered, this will do first rate. But such a patch will probably become so dirty and scratched to pieces that you will have to resort to quite extensive floors of boards, which must be slightly inclined so that rain will help wash them clean. Your main dependence for cleanliness will, however, be the use of hose, the strong pressure from elevated tank proving of great value. You will not dream of so foolish a step as scattering the stuff by hand or using any sort of fork, scoop, or shovel. The manure spreader will be the ticket, but there must be a slight alteration from the usual form. The driver on his restful ride, from the engine house entirely around the whole yard system, back to starting point, need not leave his seat.

Now, the reader will notice how machinery does it all, or nearly all. The drinking water for the fowls is elevated by power, greens harvested and loaded, chopped and distributed by power.

Machinery and power, all the essentials all the way through. It is not Auntie feeding by hand out of a pan at the back door steps. It isn't carrying on business in any puttering nineteenth century way of poultry management.

Gasoline to make all this power costs something, you say. Yes, and it is a mighty poor sort of a factory that can't afford the cost of the power that runs it. Egg farming must be by machinery, on the factory system, the raw material being chiefly purchased grain, and the finished product consisting of perfect eggs.



An impossible breeding chart. The qualities of sire and dam do not descend to progeny in any exact proportions that can be foretold, as such charts would seem to indicate. See article, "Machinery on Up-to-Date Egg Farms."

When a nation gets its poultry products by aid of machinery, using stock bred by proper mixtures of blood, hatched from eggs that were laid by fowls fed all the time all they



FIRST PRIZE COCKEREL COLISEUM CHICAGO SHOW
DEC. 1913 BRED AND OWNED BY
FLANDERS WHITE LEGHORN FARM. ORCHARD LAKE MICH.

want of the unmixed kinds they want, in the form they want it these products to reach the consumer from the producer direct, largely by parcel post, no pestilent middlemen intervening, when that time arrives, national wealth will be created "beyond the dreams of avarice."

Wet or Dry Mashes.

Moist mash not only makes too much work but that which is left over may become sour. If it is in an open box the fowl's feet make a bad mess of it. If in a hopper or slatted trough, or any contrivance whatever, that will keep them from treading upon it, then this contrivance is difficult to keep clean and sweet. On the other hand, if the mash is dry, they avoid it in this climate. So perhaps whole wheat is the proper caper in spite of the high price.

Quite a little arithmetic is necessary in finding how much more expensive whole wheat is than wheaten mill stuff. It has appeared to me sometimes that you can get more nutriment for your money in shorts than in bran and so I mix either two or three parts of the former to one of the latter, in spite of the fact that this proportion makes the mixture pretty sticky.

Now the stuff is supposed to be sufficiently near the feeding value of whole wheat, pound for pound, for practical purposes, and you are ready to figure what a pound of it costs at the price you have been paying and compare it with the cost of a pound of wheat in your market.

Probably you will find that the price of six pounds of whole wheat (milling wheat I am talking of, for I would not use what is called "feeding wheat"), will buy about seven pounds of the mixture above described.

By the time you have mixed and fed your moist mash and later puttered around to see if you had given enough or too much, and had removed the left-over mess or given a little more where needed, and cleaned up and kept everything in apple pie order, you would have used up an amount of time which if spent in raising an additional lot of pullets and tending them later as layers would have bought the additional pound of wheat. Get the angle?

But now arises an important question which the experiment stations have done some work on, but not enough to be fully conclusive, to-wit: Is some ground food necessary to the higher profit? If it is all whole, can they digest it fast enough?

The fondness which fowls have for whole grains, in fact for almost anything that is hard and smooth, is suggestive. Try a flock of young chicks with a panful of sifted cracked corn of just the right size for their age, and they eat it with avidity. Grind the same thing exactly to a fine powder and they take to it reluctantly and only when impelled by hunger. Yet no seed of mustard, grass or weed is rejected on account of its size, no matter how small it is, so long as it is smooth and hard. If it has a hard shell on it goes down like shot off a shovel. If it does not stick to their tongues it is all right. Watch hungry adult fowls swallowing whole wheat, or hungry wee chicks devouring millet, and notice the extreme rapidity with which the tongue seizes a particle, lifts it to the swallowing part of the throat machinery, disengages it like lightning and returns for another load! Just so sure as the aliment is in the form of a scale, like bran or other ground stuff, instead of a pellet like a seed, it sticks like a burr to wool and the bird evinces disgust. It can't work fast enough. Am reminded of a banquet given by the Connecticut State Poultry Society once on a time. It was the most sumptuous and formal "feed" I ever sat down to, and lasted an hour and a quarter. There were not enough waiters to serve the numerous and elaborate courses promptly, and in an interval a fancier near me said: "Gosh! a fellow will starve to death between the acts." The chicks not only take much time between acts swallowing dry scales, but there is apparently something else. They have not sufficient saliva to lubricate dry powdered stuff. They are not built that way and don't know how to run to a water dish between mouthfuls, as a duck does. In brief, dry pulverized stuff is, I believe, unnatural and therefore wrong.

I have at present on trial one hundred and fifty chicks closely yarded and supplied with green stuff, buttermilk, grit, charcoal, cracked corn, water, and not a mite of anything else excepting dry wheat bran in an open shallow box. During three weeks, the whole boodle of 'em haven't eaten enough of it to support one cockroach.

The Balancing Business.

Corn or else seeds of the non-saccharine cane you must have to afford the carbohydrates and fat, and these can be fed whole readily enough. But when you want a highly proteinous



FIRST PRIZE COCK AT CHICAGO COLISEUM SHOW
DEC. 1913 BRED AND OWNED BY
FLANDERS WHITE LEGHORN FARM ORCHARD LAKE, MICH.

grain, too, wheaten mill stuffs come to mind at once. Bran-shorts, low grade flour, red dog, middlings, or whatever name is applied. But feeding these in wet mash violates every canon of labor saving and when dry they stick in the fowl's

throat. If you limit poultry, young or old, to such wheaten food, or highly proteinous grain material as they will swallow finely ground, and in dry form, they won't take protein



enough to fully balance up; that is all there is about it. They will go back to their corn and eat more of that than they ought to have.

When I say that nature teaches all animals to eat just the quantity and proportions of every sort of food that is best for them, I insist that it must be accessible in a readily available form.

If you feed shelled corn and whole wheat all they will eat for a while and nothing else in the grain line and then throw down a good lot of corn that is firm on the cob, not the loose sort that comes off easily, they will eat some of it, but not anywhere nearly as much as they ought to have to balance the wheat. This you can prove by shelling it for them, when they will go back to the former proportions of somewhere near an equal quantity of each grain. Similarly, if you throw to poultry green stuff with long stalks, rape for instance, and not enough of the leafy portions, they may go for days with insufficient green stuff. Now chop the rape fine, stalks, leaves and all, and let them have all day, fresh and unwilted, all they choose, and other things all they choose, and they will take, to a hundredth part of an ounce, just the quantity of each sort that is best for them.

I have often noticed that many people think that if a needful sort of food is given "once in a while" there will be a sufficient balancing. Not so. I lately told a neighbor who asked me what he should give young chickens that to the buttermilk and cracked corn he was feeding, he should add bran and shorts. Passing by several times afterwards I noticed no cereal stuff excepting cracked corn in the forenoon but towards evening there was wheaten stuff galore. What he should have done was to have bran and cracked corn both before them when first let out of their coops in the morning, while they were hungry. A day is a long time to a wee chick in which growth proceeds with "embryonic fierceness." It is equal to several days of adult life. Therefore, you should never try in the afternoon to feed a chick for the forenoon, neither try today to feed a grown fowl for yesterday.

Feed when they want it, what they want, prepared as they want it, and all they want. This is the golden rule.

More About Parcel Post.

Lest I may seem to have exaggerated, in February issue of this magazine, the great expenses and awkwardness of retail stores, I want to call attention to a device which has been resorted to to lessen the burden of the delivery system, a burden which though apparently borne by the dealer, rests instead on the shoulders of the customer along with bad debts, drummer's commissions, hotel bills, and wholesaler's profits.

In a small city, a county seat in Nebraska, there were six principal groceries and six delivery wagons crossing and recrossing each other from nine or ten in the morning until six or eight o'clock in the evening and sometimes later, according to circumstances. A rush order by telephone sometimes compelled a special trip to carry a trifling purchase to some inconsiderate housewife at furtherest edge of the town.

Now it occurred to somebody, who had a little executive ability, to buy out the six teams and paraphernalia, and contract with the six groceries aforesaid to make three deliveries, two before noon and another in the afternoon. Parties telephoning too late must wait for next trip. The town was divided into six districts, one for each wagon, thus preventing needless travel, and each wagon went to all six stores to load everything for a trip before starting out. Result: everything worked smoothly and regularly, no duplication of travel, everybody served, and no tired horses, late hours and exasperated drivers.

But on the same street were mail carriers with parcels, and wagons with express matter, and hucksters' carts hauling fruit and green stuff, making lines of travel crossing and recrossing, suggesting that a comprehensive parcel post line of wagons might combine all these functions and make enormous additional savings. This uniting of institutions by the vastly improved parcel post of the future is perfectly feasible. The express business, up to one hundred pounds at least, and perhaps more, must be taken over by the government and added to the present parcel post. There should be no attempt to carry any but quite small parcels in bags, as *Pearson's Magazine* and other good authorities have lately shown. Matter such as express companies carry now, should be handled without the use of bags. Then we could mail eggs for either hatching or eating, and poultry either alive or dressed. Goods such as are now expressed should be in one end of a mail car and



mail bags in the other. If the public demand this they will get it. The American Poultry Association should take up this matter right away. I said one end of a car, but this would apply only to the stub line serving Pumpkinville and other

small towns. There would be a whole car or two for the parcels and another for the bags on the line serving the growing city of Enterprizeville, with its numerous rural routes,



whole trains for the still larger Metropolisville, and trains on trains for the biggest cities of all, some for through transcontinental routes and some long trains connecting strings of cities and dropping off cars and taking on others.

The big government P. O. buildings will stand at track yards as extensive and complicated as those at the passenger stations, while the buildings themselves will be of immense size, because our population will soon be one hundred and fifty millions, and soon after two hundred millions; while the number of packages per capita will be more than twenty times what it is now when the mail handles nearly all the goods now sold in retail stores. United States Post Office is at present the largest business institution in the world, and what sort of a marvelous concern will it be when the packages it carries are sixty times as many as the four express companies carry now, plus more than double the letters carried now; for the parcel post will cause a tremendous increase in correspondence. Government architects will have new guesses coming, for the present handsome buildings will become laughing stocks of our children, and monuments of the era when express companies staved off parcel post for many weary years.

Breeding Charts.

If you set apart a pair of fowls and breed from their progeny for generation after generation, crossing aunts, nephews, uncles, nieces, fathers, daughters, mothers, sons, etc., in ingenious interweavings that look very orderly and systematic on paper and are to many people exceedingly seductive, you will never get any new thing though you may intensify the traits which the strain possesses, so claim line breeders. They say that every quality will be shut out that was not in the original pair. And Felch likens the first pair in his chart to Adam and Eve in the midst of paradise. At the end of a few years these birds can be duplicated exactly, and you are in a paradise of success yourself as you start off with another Adam and Eve.

Nonsense! Why, bless us all, innumerable as the stars of the heaven are the individuals of the ancestral hordes way back, and each has a pull on your breeding operations, or tries to have one.

See chart Fig. 1. We are actually assured by breeders who profess to follow this chart, or other charts which are substantially like it, that when, after three generations, you secure birds that are marked half and half on the chart, you have again the same characters you started with. In the diagram the traits of the members of group 9 are said to be the same as the traits of the members of group 3. They are said to possess the same blood. Not so. Nature never duplicates anything. Even the most closely resembling twins are never alike. Of all the sands on the shores since Father Time made his advent, no two grains were ever the same.

The chart and description appear by permission of Orange Judd Co., copied from an excellent book, published by them, date of 1910, by M. G. Kains, entitled Profitable Poultry Production. The solid lines in the chart represent the course of the male blood, and the dots the female blood lines. Suppose a pure-bred cockerel represented by group 1 to be mated to the pullets in group 2. The progeny of this mating would be represented by group 3. The pullets in this group are mated back to the cock in group 1, and the progeny would appear in group 4, as three-quarters the blood of the sire.

The pullets from group 4, when mated to the cock in group 1, would give progeny in group 6, the chicks in which would be seven-eighths the blood of the sire, or practically pure bred as far as utility requirements go. The chart is extended to show how other combinations occur. In group 9, produced by crossing a cockerel from group 6 with pullets in group 7, and also in group 13 produced by crossing a cockerel with pullets in group 10, the result is half breeds as in group 3. Group 5 results from crossing a cockerel in group 3 with the hen in group 2. The progeny in that case would be seven-eighths of the blood of the mother instead of the father, as in group 6. In group 10, the chicks result from a cross of a cockerel from group 5 with pullets in group 7. The reverse of this is the case in group 8. Groups 11, 12, 14 and 15 explain themselves.

Should the introduction of a new line of blood be desired this may be accomplished by mating a hen to a cockerel, as shown in group 8.

All the above looks well on paper. There are thousands of people who think that the "blood" of humans or the lower animals can be mixed in definite proportions, as you would mix black and white paints together. But there is the mysterious "Mendelian law" which may compel in a particular mating the dropping out for the time being of a trait that would seem to be entitled to a proportion of one-eighth or one-fourth or one-half or whatever. For instance, the supposition that groups 3, 9 and 13 in the chart would be just half and half, is wrong. Results would not be that way in one case in ten thousand, for Mendelian jumps and skips, or remote ancestral pulls, or both, are practically absolutely certain to prevent. The only groups of the entire seventeen on the whole chart that are blackened right are groups 1, 2, and the unnumbered candidate of the new line.



LUSTY TOM.

A type of Single Comb White Leghorn male bird combining exhibition and strong breeding qualities, that is produced in large numbers by Yesterlaid Egg Farms Company, Dept. 5, Pacific, Missouri.

Where and How to Advertise Poultry

It Does Not Pay to Spend Money Advertising in Cheap Publications. It Pays to Advertise in First-Class Periodicals Which Interest the Buying Public. *By D. C. Beaty*



POULTRY is the most universally raised live stock, there being no state where there is not more or less interest in poultry breeding. There are, however, many states, especially those of the far west, where there is little poultry raised and not sufficient interest in poultry breeding to make it worth while advertising. In spite of the fact that the United States has such an unusually large poultry industry, advertising in small agricultural papers or poultry magazines, or in local newspapers in some of the states would bring practically no results.

All of the states west of North and South Dakota, Nebraska, Kansas, Oklahoma, and Texas, excepting California, Washington, and Oregon, raise very little poultry, according to the recent census. The number of fowls in each state is shown on the accompanying map.

The large, black circles represent the presence of 200,000 fowls; the circles three-quarters white represent the presence of from 150,000 to 200,000 fowls; those one-half white represent from 100,000 to 150,000; one-quarter white represent 50,000 to 100,000; while those all white, like the one in Nevada, represent less than 50,000 fowls.

Generally speaking, poultry is much more profitably advertised in a first-class poultry paper, because such a publication reaches a class of people definitely interested in poultry breeding. There is also another class of buyers who are more easily reached by advertising in live agricultural papers, which does not mean that the poultry papers do not reach a great many of these people, but the poultry paper being a special class publication, goes principally to breeders who know the value of the best stock, while the agricultural paper caters to the all-around farmer or suburban dweller trade.

There are so many poultry papers published in the United States that many breeders are at a loss to know how to make a selection. To an observer, it seems that about every newspaper man who gets interested in a pen of chickens, considers it a duty to start a poultry paper, with the result that the majority of poultry papers now being published have an exceedingly small circulation.

If the prospective advertiser will take the trouble to sift the matter down, it will be found that there are only a few publications going to poultry raisers exclusively, that have a really worth while circulation. According to a recent report giving a list of poultry papers and showing the circulation of each, there are not more than four poultry papers in the United States which have a circulation of more than 50,000. But aside from this matter of circulation there is another, equally important to the advertiser. A poultry breeder desirous of selling stock, or eggs, or chicks, must advertise his wares in a publication reaching interested parties, and even a fairly large circulation is not always made up of interested persons, especially in the case of the magazine with very low subscription rates. Such periodicals invariably carry a large percentage of "dead heads" on their subscription lists, and the best worded and most elaborately displayed ad recruits few, if any, purchasers from such lists. The old slogan that "it pays to advertise," has been superseded by the new one, "It pays to advertise right."

The advertiser must at all times consider to whom he would address his advertising, for frequently a live periodical in the right locality, with only a comparatively small circulation will reach interested buyers.

In advertising in a farm paper the accompanying map must be carefully used. Papers will pay best that circulate in those states where there is the most poultry. A good agricultural paper, with a circulation of over 50,000 in any of the states of the central west or of the east, would undoubtedly

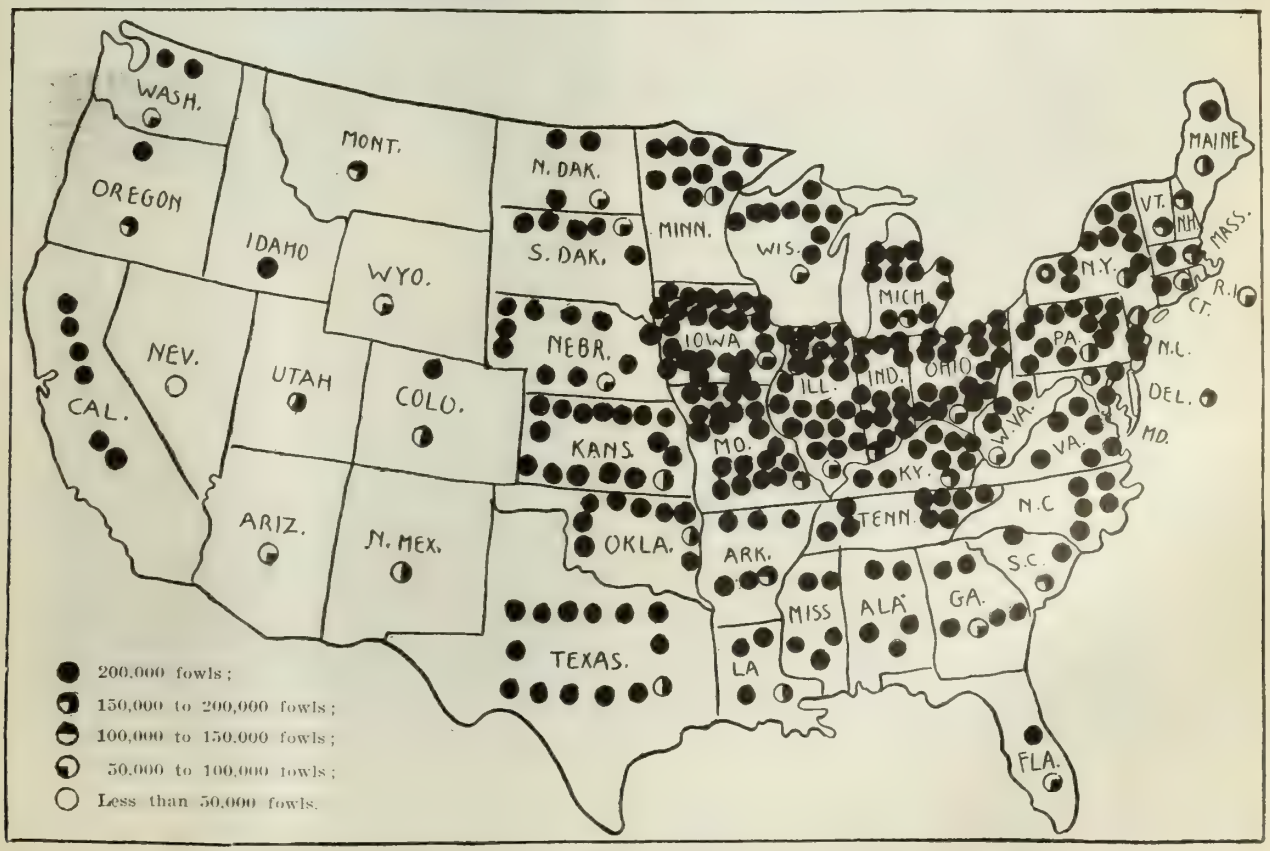


Chart Showing Distribution of Fowls by States According to the Recent Census

bring good returns, but if you select a paper that has its circulation largely in the western states, you will run a big risk as to getting your money back in the business secured.



FIRST W. WYANDOTTE HEN, CLEVELAND O. DEC. 1913. BRED AND OWNED BY— SHERMAN BOWDEN, MANSFIELD, OHIO

Those agricultural papers that attempt to cover the entire United States are usually less profitable for advertising poultry than those that cover a definite area. The reason for this is that the first-class papers cover such a large territory that they have few subscribers in any one section. The paper that covers one state, and does it thoroughly, reaches such a large percent of farmers in that state that you will be sure from a publication of this sort to receive large returns.

There are a few good farm papers that cover several states adjoining each other and connected by some common interest. Papers of this kind with a large circulation usually bring good results to poultry advertisers.

Remember this, that while you are advertising in a paper you are placing yourself directly amongst competitors. Your advertisement is entirely different from a letter, for while the reader is reading what you have to say his eyes are being attracted to the advertisement of one of your competitors, and unless there is something about your ad that will grip him and make him stop immediately and send an order or an inquiry you may not get his business.

For this reason it is important that your advertisement be right. You cannot expect the paper, no matter how good a paper it may be, to do all of the work in getting inquiries. No publication claims to be more than a distributing medium for advertisements. It takes what you have to offer and places it before several thousand persons. It can assume no responsibility for the effect the advertisements may have upon the persons to whom it takes them.

Advertising is a very interesting part of the poultry business and withal a very important one. Successful advertising is founded upon definite principles and when you once get those principles well in mind and prepare an advertisement that really brings the business, your advertising problem is largely settled.

The advertiser should adopt a special style which is recognizable at all times, and yet not carry the same old stereotyped wording. What he has for sale this year is different from what he had last, and the ad must be varied sufficiently to meet this condition, and to give the reader something new and worth while to consider, but the general principles on which the ad is built should remain the same from one year to another. There is no better way to establish a business before the buying public.

Increasing Inquiries From Advertisements.

When the breeder sends a check to a poultry paper in payment for advertising space he expects to get back that amount and a great deal more—in other words, he expects it to pay him. But there have been a great many disappointed poultry raisers after one or two attempts at advertising. The natural thing is to blame the lack of results from advertising to the paper wherein it was inserted, but in many cases it can be found by a study of the ad itself, because in the first place it does not attract the reader, and secondly, it does not tell him anything if he should happen to read it.

If you do not have an advertisement that will convince the reader that it will pay him to buy from you, you cannot expect the quality of the publication or the extent of its circulation to overcome this big defect.

In the first place, an advertisement must be attractive. Those poultry papers in which it is worth while to advertise have so many advertisements that the one that is conventional is not often studied thoroughly. The one that is distinctive and attractive is always examined first, and although this characteristic does not mean more sales, it is one of the most important aids in the making of sales through advertising.

After you get the attention of the reader, of course, you must then convince him that you have what he wants, and in addition to this inspire him to send you an order at once.

The matter of attractiveness may be worked out in a thousand different ways. Some men prefer to use attractive photographs and get good results by this means. Others use drawings, and oftentimes a well made drawing makes an advertisement so attractive that it is read before anything else on the page. Still others, especially those who use a smaller



FIRST PRIZE CKL. MADISON SQUARE GARDEN, DEC. 1913. BRED AND OWNED BY ARTHUR G. DUSTON, FRAMINGHAM, MASS.

space, have a distinctive shape or type of ad which is always the same and which is the distinctive feature of their advertisements. In this way their advertisement stands out on the page and by running it month after month, becomes so familiar

to the readers of the paper that many of them turn to that ad when they are ready to buy.

Take for example, the advertisement of E. B. Thompson. At



Unretouched photo of first prize White Wyandotte cockerel at Cincinnati, Ohio, Dec., 1913. Bred and owned by J. C. Fishel & Son, Hope, Ind.

the head of each ad he has, in a special kind of type, these words, "E. B. Thompson, Imperial Ringlet Barred Plymouth Rocks." At either side of the name, "E. B. Thompson," is a cluster of Plymouth Rock feathers.

This advertisement would stand out on any page and anyone who is even a casual reader of poultry papers would recognize it no matter where they saw it. The mere name "Barred Plymouth Rock" would not be especially attractive, but if that name is extended entirely across the page and is placed in white letters on a black background, instead of in the conventional way, it becomes distinctive.

Another way of making an ad distinctive is to use one or two large circles printed with a heavy line and containing some outstanding characteristics of your flock. A recent example of this method was that of the Mt. Pleasant Farm, of Mt. Pocona, Pa. This advertisement contained two circles, in one of which was this information: "We guarantee safe delivery of day-old chicks." In the other it said: "We guarantee to replace all unfertile eggs." Between these circles was this legend, "215 eggs a year."

The very form of the ad would attract the eye. The information given would certainly convince.

After you have the reader's eye, the next thing is to convince him that you have for sale what he needs and should have. This, of course, is done by argument.

There are many poultry raisers that give such small attention to their advertisements that all the information you get out of it is the name of the breed, the name of the man and his address. Sometimes there are a few general statements which might be said of any flock.

The argument in an advertisement must be just as distinctive as the form of the advertisement, and it must certainly be convincing.

Take for example the advertisement of the Mt. Pleasant Farm, previously mentioned. The rest of this advertisement read as follows: "A flock of 31 pullets grown from our chicks averaged 215 eggs a year in the hands of a customer, an amateur. Read our new booklet. Free. Learn of the profit paying fowls. Try modern successful poultry farming with Mt. Pleasant Farm Single Comb White Leghorn. Bred to lay. Day-old chicks. Eggs for hatching. 500 cockerels, $2 each."

You can scarcely get away from that advertisement, whether you are an old breeder or a new one. Facts such as these grip you like a vise and you cannot get away from them. Of course, it is not everyone that can say as much for their flock, but if you have stock that is really worth offering for sale through the medium of a high class poultry paper, there must be something really good that you can say about it, and that something, remember, must be facts—not generality.

Compare with the above advertisement the one that follows: "———— Rhode Island Reds, both combs, better now than ever before. Hundreds of high-class breeding birds at reasonable prices. Write us before ordering elsewhere. Eggs from high-class pens."

There is absolutely nothing convincing about this advertisement. Even if you have previously known of the quality of these birds, the statement that they are better now than ever before does not convince you. This is, of course, only the opinion of the man who wrote it and he does not leave you to use your own judgment at all. He gives you nothing on which to base judgment.

If your advertisement reads something after this fashion, be free to admit that it isn't as good as it should be and study to make it more convincing.

Here is another type of ad written to appeal more to old breeders who appreciate the value of show winnings: "———— S. C. Reds, Baby chicks, 100 pullets for sale. I have won at Cleveland, Columbus, Toledo, and Fort Wayne, for years. Latest winnings at Toledo: first, second, and third hen; second cockerel, fourth and fifth pen. Seven splendid pens made continuous prize winners. Eggs from pens, $3 and $5 for 15. Chicks, 50 cents and 75 cents each. Utility eggs, $6 per hundred. Chicks, 15 cents each. Send for catalogue."

If you are interested in poultry show winnings, this is an advertisement that gives you definite information on which to



A TYPICAL GOLDEN WYANDOTTE MALE.

base judgment. Of course, if there is an advertisement just beside it that shows even better winnings, then you would naturally buy from the second.

This ad, however, contains a sentence which will probably bring more inquiries than if it had not been used. The sentence referred to is the last one. "Send for catalogue." This is a direct command—a suggestion, if you please. It tells of something definite to do. It will result, however, in more persons writing for the catalogue than sending an actual order, but if this man's business is large enough to afford a catalogue, he can probably also afford to write an extra letter.

The fact remains that when your advertisement contains a definite suggestion at the end which is easy to carry out, you are likely to have more replies to your advertisement than otherwise.

If you want orders instead of letters of inquiry, you must first give enough information in the advertisement so that the prospective purchaser will know exactly what your stock is like and then make a suggestion at the end which will make it easy for him to send his order at once.

For example, use such an expression as this: "Tell me what you want, what you want it for, and the price you can pay. I guarantee satisfaction or your money back." Or use some such line at the foot of your ad as is used by Owen Farms: "I want your order, and remember your ABSOLUTE SATISFACTION means my PERMANENT SUCCESS."

Such suggestions at the close of an ad actually work wonders. The estimate of their value is not theory, but the result of actual practice.

England Leads in Egg-Laying Contest

Ten English W. Leghorns Average Nearly 43 Eggs Each for December and January. Missouri S. C. Reds Win Second for Month Valuable Lessons Shown. *By T. E. Quisenberry*



THE pen which won the prize and made the best record in the contest two years ago did not begin to lay until about this time. Then they went to work in earnest and won out over many pens which had gotten a good lead over them. This same breeder has a pen in this contest and they have started to lay again just about as they did in the first contest. These, or some other pen which is just now beginning to lay with a vengeance, may win out again.

The English pen of S. C. White Leghorns has gotten a lead of 104 eggs over its nearest competitor, and it looks as if they mean to set a lively pace for others to follow. They won the silver cup for January by laying 221 eggs. They have averaged 43 eggs per hen for December and January. Most all of the other foreign pens have been out of condition, and suffered greatly because of the change in climate.

The total eggs for January was 10,520, and this makes the grand total 17,312. The average for the first two months is 16.63 eggs per hen. S. C. Reds, from Sedalia, Mo., won second place for the month with a record of 205 eggs.

One thing is certain, White Wyandottes have proven themselves to be consistent layers. Each year for three years, they have been among the leaders. The worst objection we have found with them is that their eggs run low in fertility and their eggs are not of a uniform size and color. This condition is due, however, more to carelessness on the part of the breeder than it is to a fault of the variety. We have some strains of White Wyandottes which lay a large egg of uniform size and color, and which are up to the average in fertility, but White Wyandotte breeders, as a rule, have not given as much attention to the selection of eggs for hatching as they should. Orpingtons have also been among the leaders each winter. They seem to be good winter layers, but they lose out in summer during the broody season. If the Orpington breeders wish to build up a good strain of layers, they had better eliminate the hens from their flocks which are continually broody. That is, if you have two hens of equal quality and one lays a few eggs and becomes broody, and lays a few more eggs and becomes broody again, and the second hen does not show such a tendency to broodiness, I would prefer the eggs from the second hen for hatching purposes rather than from the first. I would also much prefer to breed from a male from the second hen than from the first.

Rhode Island Reds look as if they were going to do much better this year than in any previous year. The pen of S. C. Buff Leghorns, which are among the leaders, are full sisters. Three years ago the pen from which they were bred averaged about 100 eggs. By careful selection and breeding for three years, they were bred up until the mother of these pullets and the entire pen from which she came, averaged nearly 200 eggs per hen last year.

How can such results be obtained? How can Tom Garron and other such noted experts in England and America breed up strains of fowls of different varieties which will for three years in succession outstrip their competitors at the Storrs Contest, the North American Contest, and at the Missouri National Contest, where they are submitted to the trap nest test and all are put on an equal footing as far as housing, feed, care and management are concerned? How can the Australian and New Zealand breeders make such marvelous records year after year? These are things which every breeder of poultry ought to consider. It is a noticeable fact that pens from the same breeders in each contest maintain about the same average egg production, whether the pen is in Storrs, Philadelphia, or Mountain Grove, and all these methods of housing and feeding are entirely different. The breeding back of the birds make them maintain about the same rate of production, no matter where they are being tried out. This holds true with both good and bad pens. When I mentioned "strain" and "breeding" and "selection" as the foundation of a flock of high egg producers in my reports two years ago, some "authorities" made light of such "nonsense." They claimed that you could take most any old fowl and by giving it the right feed and care, you could get equally as good results as the breeders who were leading in the Egg Laying Contests. That is, they said there was nothing to "strain" and that "breeding" was not the secret of egg production. Of course, we know that without the proper feed and care, a hen will not lay many eggs, no matter what strain she is from or how good her breeding may be. But when a breeder can make a consistent record in laying con-



First Rose Comb Rhode Island Red Cockerel, Detroit, January, 1914

tests year after year and lead all competitors, we will have to admit that he has a superior laying strain. If Mr. A has a pen of Barred Plymouth Rocks which leads all other Plymouth Rocks year after year, and Mr. B has a pen of

Barred Plymouth Rocks which is at the foot each year for three years, we will have to admit that Mr. A has a laying



BEAU BRUMMEL II
Son of Beau Brummel I. Prize Pen Cockerel, Chicago, 1913. First Young Pen, Indianapolis 1914. Owned by Willows Farm, South Bend, Ind.

strain and Mr. B has a strain which are not good egg producers.

What can we do to improve our flocks and build up an egg-laying strain? The hatching season is on and I would advise you to bear these things in mind:

1.—It must be remembered that a chick with a strong constitution is better equipped for fighting diseases than a weak chicken with all the medicines and condiments known to the medical science. Then breed for constitutional vigor.

2.—Many disease germs are transmitted from parent to offspring, so all diseased birds, or birds which ever have been diseased should be removed from the flock. This past month we had a striking example of high vitality and low vitality. Two pens were housed in the same house, drank from the same pan, ate the same kind of food and slept under the same roof. One pen went all to pieces and every one of them were sent to the hospital. The pen on the opposite side withstood the severe weather, kept in splendid health, and is one among the very highest pens in egg production.

3.—Breed only from a male which has been hatched from an egg laid by a high laying hen.

4.—Select your best laying hens to mate with the above male.

5.—Breed from early maturing pullets.

6.—Don't breed from hens which are continually going broody.

7.—Breed from your hens and pullets which lay in November, December and January.

'Tis true the hen which has been laying through the winter will go to sitting first, but by this time the loafing hen has begun laying so the good hen is set on the poor hen's eggs, which practice has a tendency to produce a flock of loafers.

The best record made thus far by representatives from the different countries was as follows:

	Eggs.
White Leghorns made best English Record	427
Buff Orpingtons made best United States Record	323
Buff Leghorns made best Missouri Record	286
White Leghorns made best British Columbia Record	226
White Leghorns made best New Zealand Record	205
White Leghorns made best Vancouver Island Record	199
White Wyandottes made best Ontario Record	196
White Leghorns made best Australian Record	158
White Leghorns made best South African Record	127

Most of the foreign birds have suffered greatly because of the change in climate and the long shipments. They were all from two to six weeks en route, and many of them will never recover from the effects of the trip and the change of climate. Some few have died as a result and most all of the foreign birds have shown signs of being out of condition. One English pen has been the exception and that pen is in the lead. We may be able to get a few good individual records from the Australian, New Zealand and South African pens, but those pens as a whole will never do justice to themselves. The New Zealand breeders only sent from six to eight birds for each pen, as that is the number used in the contests in that country. On account of the long time it takes to pass mail back and forth from each country, they did not get a copy of the rules governing the contest before the time they were obliged to make their shipments. Most all of their birds were also very young and will not mature for nearly two months yet. The Australian and New Zealand birds had also just passed through a winter in those countries and were sent here just in time to pass through another winter. Being so young and passing through portions of two winters in succession, and reaching a climate quite different from their own, it is enough to put them out of condition, and it is doubtful if we can get any very good records from them. We certainly appreciate the confidence which has been expressed in us by the shipment of valuable birds from all parts of this country and all parts of the world, and it is needless to say that we will do the very best we can by every pen entered, whether it be from Missouri, America, or from the opposite side of the globe. Conditions often arise which we cannot control, and upset our plans and blast our hopes, but our one desire is to be fair to all contestants and get the very best records we possibly can.

National Egg Laying Contest.

The 600 hens in this section of the contest have made a most excellent record for January. They laid 7,312 eggs, or an average of 12.19 eggs each. If this section of the contest



SINGLE COMB R. I. RED.

First pullet Hagerstown, 1912; first hen Wilkesbarre and Scranton, Pa., 1914. Bred and owned by L. W. Maxson, Scranton, Pa.

will continue as they have started, there will be some record breakers among them.

The ten highest pens in this test are as follows:

Pen.		Eggs.
0.	S. C. White Leghorns, England	427
36.	Buff Orpingtons, Texas	323
18.	White Wyandottes, Pennsylvania	322
24.	White Wyandottes, England	294
1.	S. C. Buff Leghorns, Missouri	286
5.	Anconas, Missouri	285
34.	White Orpingtons, Ohio	282
47.	S. C. Reds, Missouri	281
39.	S. C. Reds, Missouri	279
4.	S. C. Buff Leghorns, Michigan	274
2.	Anconas, Missouri	274

White Wyandotte Hen No. 181 from Pennsylvania has laid 53 eggs and leads all hens in the contest. Buff Plymouth Rock Hen No. 524 from Missouri is second, with 52 eggs.

National S. C. White Leghorn Contest.

The 280 hens in this section of the contest laid 2,023 eggs in January, or an average of 7.26 eggs each. The average was cut down because of the four immature pens from New Zealand. For some reason, nearly every pen of White Leghorns went into a moult this month, and many of the hens were as naked as they ever are in the fall months when moulting. The last part of the month they laid better than at any previous time, so we expect to see the Leghorns climb from this date on.

The best ten pen records thus far are as follows:

Pen.		Eggs.
79.	S. C. White Leghorns, Pennsylvania	303
65.	S. C. White Leghorns, Missouri	230
70.	S. C. White Leghorns, Missouri	227
64.	S. C. White Leghorns, British Columbia	226
61.	S. C. White Leghorns, Nebraska	209
77.	S. C. White Leghorns, Vancouver Island	199
69.	S. C. White Leghorns, Kentucky	192
80.	S. C. White Leghorns, Missouri	192
71.	S. C. White Leghorns, Missouri	178
67.	S. C. White Leghorns, Missouri	170

Hen No. 702 from Missouri has made the highest individual record with 44 eggs to her credit, and Hen No. 653 from Missouri is second with 43 eggs.

National Utility Contest.

The hens in this experiment are in much better condition now than they were one month ago, and we will be disappointed if they do not make good records from this time on. The 160 hens in this test laid 1,175 eggs for January, or an average of 7.34 eggs each.

The ten highest pen records are as follows:

Pen.		Eggs.
92.	S. C. Reds, Pennsylvania	274
86.	Barred Plymouth Rocks, Michigan	200
95.	S. C. Reds, New Hampshire	167
99.	White Wyandottes, Arkansas	145
85.	Barred Plymouth Rocks, Texas	127
88.	White Orpingtons, Kentucky	120
94.	S. C. Reds, Ohio	101
90.	White Orpingtons, Missouri	101
93.	S. C. Reds, New York	93
89.	White Orpingtons, Missouri	88

The two highest individual records were made by S. C. Red hens Nos. 926 and 927, laying 43 and 41 eggs, respectively.

Stock Selection's Influence on Egg Cost

Comparison of Results with Strong and Weak Flocks and the Food Cost Per Dozen Eggs. *By Walter C. Hunter*



ALL the main questions surrounding a venture into poultrydom, or even agriculture in general, are contingent on the question of market. It is of neither sense nor value to be able to produce commodities of this nature if the transportation and handling charges are to eat up all the profit; and neither is it advisable to raise the finest eggs, fowls or fruits if your particular specialty does not meet with favor in the market you are catering to. In other words, among other things, prejudice must be reckoned with.

Therefore, to the producer starting to supply the New York market the question of fowls to be kept at once limits itself to those that produce white eggs. And among those people devoting their whole time to poultry, for the supply of this market, the White Leghorn fowl is found in such superior numbers that the issue further narrows itself to the choice of that breed.

In those markets where the brown egg is desired, Boston among that number, the choice of fowls offered is quite wide, as all the American type (Barred and White Plymouth Rocks, Rhode Island Reds, Wyandottes), the Asiatics and also the English Orpingtons, lay eggs of that color.

To those keeping poultry for their own use the brown egg birds, usually known as general purpose fowls, will be found by far the superior kind. What little they lack in egg production is easily made up by good qualities as a table fowl.

This question as to breeds is one that has been ever debated. Most comparisons are not illuminating, as the circumstances under which the fowls are kept are too different for comparison. Still, what seems like a near approach to a settlement of a small part of the issue was made at Cornell in one of their investigations. There were three flocks kept under similar conditions, for a period of two years. While the real object of this experiment was to ascertain whether constitutional vigor is a matter of inheritance, much other valuable data pertaining to egg yields, food consumption, broodiness, etc., was obtained.

This experiment started in the summer of 1907. The idea was to make the comparison between strong and weak flocks. First, two lots of White Leghorns were selected from range grown stock. Later, in the fall, two more lots of White Leghorns were selected and then, to give the result greater value by comparing two different breeds of poultry, two pens of Barred Plymouth Rocks were chosen, each of which had showed proclivities either toward strength or weakness. Be it understood, however, that in each lot of the pullets picked from weak pens "there were, at the time of their selection, such as would ordinarily be considered strong and active individuals." Howbeit, they had, at one time in their growth, showed such weakness that, in order to save their lives, a specially digestible and nourishing ration had been given them. Consequently, as C. A. Rogers points out, the term weak is a relative one.

After selection the stock were allowed to remain under range conditions until the usual time of going into the laying houses. In this interval many changes occurred in the flocks. Some improved greatly; others went back after the special feeding was abandoned. But at the time the fowls went into permanent quarters the strong birds were what would classify as highly selected stock, and the weak fowls varied considerably, some seeming much better than others; still, comparing them as flocks, the strong birds averaged heavier in weight than did those of low vitality. In the case of the Barred Plymouth Rocks the amount was as great as one and one-third pounds each.

Accordingly, as we have endeavored to explain in the foregoing, there were six flocks of 25 fowls each; two flocks of White Leghorns and one of Barred Rocks, all strong birds; and two flocks of White Leghorns and one of Barred Rocks, all of which were of low constitutional vigor.

The fowls were housed in three different types of houses, under conditions commonly recognized as proper, regarding space, air, range, etc. A strong and a weak flock were placed in similar houses. All flocks were treated alike as regards care and food. The grain ration fed night and morning was the well known Cornell ration of wheat, cracked corn, and oats. This was supplemented by green food fed at noon, when the dry mash dishes were opened. The nutritive ratio of the scratch grains was 1:7.8 and of the ground grains 1:1.8. About four times as much grain as mash was fed. When the ration was narrowest the egg production was greatest. In this case the average was about 1:4.5.

All data was very thorough, which, of course, adds to its value. They were trap-nested, weighed individually each fourth week; food was weighed and consumption of different kinds closely tabulated. The experiment extended one year as pullets, a second year as yearling hens and two lots of chickens were raised and the record of one lot of progeny for egg production, etc., was noted.

Undoubtedly the commonest sign of the good layer is heavy feeding. The power to digest large quantities of food is the cause of which this heavy laying is the effect. In other words, it is only because of high vitality in a fowl that it is possible for the bird's system to assimilate so great an amount of food.

In all cases in this experiment, it was found that the fowls of high vitality consumed more food than was the case with the weaker ones. Furthermore, the whole grain (scratch feed) eaten was nearly the same for all flocks of similar kinds. This is in accordance with a majority of observations: that the fowls prefer the whole grains to the dry mash and, if they could get a sufficient amount, it is very likely they would pick out from the dry mash only those tidbits necessary to give the ration greater balance.

In the matter of eggs, the flock that ate the most dry mash laid the most eggs; and inversely the flock that ate the least dry mash laid the least eggs. Here again we have statistics agreeing with an opinion quite general: that a liberal feeding of dry mash produces the greatest number of eggs. Dry mash bulks larger than the whole grains and will go further, pound for pound. We notice that if birds are troubled with colds or roup they will not eat the ground grains. At the same time a few of our very best layers hardly ever eat a mouthful of dry mash.

It was noted that the proportion of meat scraps varied with the amount of mash eaten, though it never reached 7%. Coincident with heavy egg production was the consumption of shell and grit. The amount eaten was almost in a direct ratio with the eggs produced.



We believe the average observer will agree with us when we say that oyster shell is necessary only to the producing hen. An authority cites an instance of 25 Brahmas consuming it at the rate of a quart a week. Our experience has been that an equal number of Barred Rocks, in 50% lay, will use a quart in a slightly less time than two weeks. Moreover, at a time when the egg yield is practically nil for reason of the


First Prize Pullet, Madison Sq. Garden, Dec., 1913
Marrland Leghorn Farm, Cambridge, Md.

moult, hardly any shell is consumed and, at that time, it is possible to tell the layers just by observing those that eat shell after the evening feed.

One also can pretty near tell whether a fowl is a pullet or hen by the length of time it takes to overcome its desire to sit. Notice this corroboration: In the Cornell test each Barred Rock was, on an average, broody 2 2/5 times, losing thereby 11 2/3 days; but the Leghorn averaged only 3/4 of a time each and lost 3 1/4 days. Notice, now, the results for the second year. While with the Barred Rocks, the number broody was slightly less and with the Leghorns about 18% greater, the time of broodiness was, considering the number of hens broody, from 50% to 75% greater!

During the natural laying season all hens may be expected to lay at least a few eggs. But to continue heavy laying for any length of time the fowls must prepare for it by storing up fats to draw on while a large part of their nutriment is going into egg production. Thus we see that, during the fall and early winter they are steadily putting on weight, which falls off rapidly during the time of heaviest egg production, running low during the summer, until the time of moult. Strange to say, the heaviest consumption of food takes place at a time just previous to the greatest production of eggs. After reaching the highest point it falls very rapidly.

That the pullet year is the time of greatest egg yield now is a matter of common acceptation. This investigation at Cornell upholds that statement were further proof necessary. During the pullet year the strong fowls averaged a yield of 35.0 and the weak ones 31.9, or a cost of production of $0.12 a dozen for the strong and $0.131 for the weak fowls. For the hen year the same flocks averaged 29.74 for the strong and 28.57 for the weak; a cost production of $0.15 for the strong and $0.153 for the weak.

The average cost of producing a dozen of eggs was from three to five cents more during the hen year than was the case during the pullet year!

As the test offers a very good breed comparison, let us for a moment glance at the most noticeable differences. The Leghorns are one of the smaller breeds and have the advantage

of early maturity. In this experiment, the strong Leghorns averaged 17.8 yield during the first period (Dec. 10 to Jan. 6, inclusive), against 3.0 for the strong Barred Rocks. Even



WINNER OF SECOND PRIZE, CHICAGO, DEC 12-17, 1912
HENRY STEINMESCH. ST LOUIS, MISSOURI

the weak Leghorns averaged for the same period 12.55, compared with the poor showing of 0.1 for the weak Barred Rocks. In the second period (Jan. 7 to Feb. 3, inclusive), the strong Leghorns averaged 32.65 against 27.7 for the Rocks; and the weak Leghorns 27.86 against 1.5 for the Barred Rocks. Yet take it for the whole year and the value of the eggs produced by the large breed equals that of the Leghorns!

The value of eggs produced may be likened to the gross receipts of a business. What we wish to know is, What are the net receipts? What is left after bills are paid? In other words, how much gold glitters in the bottom of the pan after we have washed out all the dross? We are on the way of finding out.

The Leghorn being a smaller bird than the Rock, it is not surprising that it requires less food to maintain the up-keep of its system. Consequently, a greater part of the food eaten goes to egg production. Hence it was found that, while the average cost of producing a dozen Leghorn eggs was $0.12 for the pullet year and $0.14 for the hen year, the Rocks cost $0.14 the pullet year and $0.178 the hen year. The weak Leghorns cost virtually two cents more to produce a dozen eggs than was the case with the strong Leghorns, and one cent more in the case of the Barred Rock pullets. The weak Leghorns' cost of producing each dozen of eggs was a fraction more than the cost of the strong ones. Odd as it may seem, the weak Barred Rocks produced a dozen eggs for almost two cents less than the strong ones,—but only the hen year.

The Plymouth Rocks consumed a greater amount of food, but, during the pullet year, there was compensation for this by the value of the increase in weight. When we get down to hard pan there is little choice between the breeds. What you lose in one way you gain in another. If your Rocks eat more they also weigh more and, therefore, have greater salable value. If they lose three times as much time as the Leghorn, because of broodiness, what matters it when at the end of the year we find the value of eggs is the same?

Presumably you keep only pullets for egg production. Your Leghorns have, as layers, a good month's handicap over your Barred Rocks. You can likely discard them a month earlier; so that you might, in ten months' laying, get the same results from the Leghorns as a year would yield from the Rocks. In this way the saving of two months' feed would add to the profit of your Leghorns.

It looks as if this was an individual proposition which each must solve for himself, and much dependent on time of moult and price that can be realized on marketed stock,—after a year's laying.

The Cornell test, at any rate, proved that stock selection influences almost everything. It was seen in increased egg yield, mortality, greater fertility and hatchability of eggs, liveability of chickens and economy of food consumed.

The primary object of this experiment was to see just what benefit stock selection has upon progeny and other factors of poultry-keeping. Perhaps it may seem to some that our analogy has taken us far afield. We think the results of this particular investigation as compared to the original intentions, show more plainly many side issues than they do the main one—that of the difference between strong and weak flocks. Albeit, let us append the conclusions of the investigator and commend to those further interested a thorough study of this very meaty Cornell Bulletin No. 318. Herewith the conclusions:

"1. The selection of fowls for strong vitality, even though the selection be slight and exercised but once, increases the productive and the reproductive power of a flock.

"2. One selection only, no matter how rigid, is not sufficient to keep a flock permanently superior.



FIRST PRIZE S. C. BLACK ORPINGTON COCKEREL AT CINCINNATI, OHIO. OWNED AND BRED BY WM. COOK & SONS — ORIGINATORS OF ALL THE ORPINGTONS, SCOTCH PLAINS, N. J.

"3. The selection of mature pullets is of more value than that of partly grown chickens.

"4. Selection at the beginning of the second year is of equal importance to that of the first year."

"HARDY CANADIAN BRED ORPINGTONS"



FIRST PRIZE PEN BUFF ORPINGTONS MADISON SQUARE GARDEN, N.Y. DEC. 1913
BRED AND OWNED BY HUGH A. ROSE FONT HILL ONTARIO.

EDITORIAL

WE LEAD OTHERS FOLLOW

65,000 A. P. J.'s FOR MARCH, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the March, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of February, 1913.
(Seal) HENRY G. EISERT,
Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

AMERICAN POULTRY JOURNAL

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L. A. STAHMER, Artist.

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HELEN T. WOODS, Editor Woman's Dept., Silver Lake, Plymouth Co., Mass.

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H. H. COBURN, Central Representative, Marysville, Mich.
E. J. W. DEITZ, Special Advertising Representative, Chicago, Illinois.

SUBSCRIPTION PRICE.

United States and Mexico, 1 year, $1.00; 3 years, $2.00.
10 cents a copy of all newsdealers.
Canada, 1 year, $1.25; 3 years, $2.75.
Foreign, 1 year, $1.50; 3 years, $3.50.

Look at the address on your wrapper. See that it is absolutely correct and notify us of any mistake, no matter how slight. Note the expiration date which appears thereon, as American Poultry Journal stops with the issue marked on your wrapper.

If you change your address give both your old and new address as well as your subscription number when notifying us of the change.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Come to Chicago.

On Tuesday night, February 17, the Chicago Poultry Society held a very enthusiastic meeting at Marco's Cafe, to discuss ways and means for entertaining the members of the American Poultry Association at the next annual convention if held in Chicago. The following officers were elected at this meeting: Jas. W. Bell, president; E. M. Whitney, vice-president; E. J. W. Deitz, secretary; D. E. Hale, treasurer; executive committee, S. A. Smith, Chester E. Clapp, Frank A. Cleveland, A. B. Moe and F. A. Kaup.

A formal resolution was passed inviting the American Poultry Association to hold its next annual meeting in Chicago. A few of the many suggestions for entertaining the visiting members were as follows: A grand automobile parade over the 50-mile boulevard and park system of Chicago—one of the most beautiful auto trips in the world; a moonlight boat ride on Lake Michigan for both ladies and gentlemen; a luncheon for the ladies at one of the large department stores, after which they will have guides and visit the different departments of that and other stores; one night for all parties at one of the large amusement parks with all concessions free; an afternoon visit for the ladies to the famous Chicago Art Institute; also an afternoon at the Field Columbian Museum, and many other attractions.

Mr. F. D. Rogers, president of the Elgin Poultry Association, and A. D. Smith, secretary of the Quincy Poultry Association, both attended the meeting and stated that their associations would vote for Chicago and help entertain the members. Mr. D. E. Hale, president of the Illinois State branch of the American Poultry Association, stated that this organization would back Chicago to the limit.

A committee consisting of Messrs. Bell, Woods and Whitney called on Mr. Spangler, manager of the convention bureau of the Chicago Association of Commerce, who assured the committee of the loyal and liberal financial support of that association in helping to entertain the visiting members at the convention. The same committee interviewed the management of the Hotel Sherman and were offered the free use of its large convention hall which seats over 1,500 people, also the free use of all the committee rooms needed to hold committee meetings. Hotel Sherman is located in the heart of the business district and is one of the largest and finest fire-proof modern hotels in Chicago, with 750 rooms, all with bath.

Well, boys, if there is anything more you want just speak right up—we are right here on the job to get it for you. Get in the band wagon and vote for Chicago and then attend the largest gathering of poultry breeders ever held in the country.

Crusade Against Magazine Mail Rates.

Once again our lawmakers in Washington are organizing a crusade against the possession of the second-class postage rate by magazines. Just why this matter should come up every year is difficult to understand. A bill has been introduced into Congress to raise the magazine postage rate from one to two cents a pound. It is to be hoped that this bill will be defeated since it is unjust discrimination against magazines. The magazines play a most important part in the education of our people, and in these days of parcel post prove a wonderful medium for making better business and enabling producers and consumers to deal directly with one another for mutual benefit.

There can be no question that magazine business and advertising greatly increases the profitable business of the United States Postoffice Department. Because of magazines, first-class mail matter is wonderfully increased, parcel post has been built up and become wonderfully profitable, and all profit-paying mail classes are benefited. From a purely business standpoint it is good business for the United States postal system to deliver magazines at second-class postage rates. From a standpoint of better educational advantages for all of our people, better living and better civilization, the government could well afford to send magazines through the mails without charge.

Write your congressman and protest against any increase in magazine postal rates; insist that the old second-class rate be continued, for this affects YOU. DO IT NOW!

Chinese Eggs Threaten the West Coast.

With eggs of poultry on the free list of the new tariff, the "yellow peril" seems to have struck hard in poultrydom on the Pacific Coast. We bar out the Chinaman but we encourage him to ship us cheap eggs from his scavenger flocks and already importations of foreign eggs are considerable.

The Pacific Coast poultrymen are thoroughly aroused and indignant. The Sonoma County (California) Poultry Producer's Federation has begun a vigorous campaign of protest and protection for American egg farmers. They state that our modern sanitary egg farms, producing wholesome eggs from fowls well fed on clean, wholesome foods, cannot compete with the cheap Chinese eggs. Our white farmers cannot and will not live as the yellow men do, and they protest that they cannot pay taxes, educate their children, provide for their families and be good citizens generally, and meet this cheap foreign egg competition. Their protest is well made and should have a respectful hearing and due consideration.

After our people become acquainted

with them we don't believe Chinese eggs will be in much demand. The danger lies in their being sold as domestic eggs and by big egg dealers be put into direct competition with our home grown product. The sale of foreign eggs should only be permitted when the goods are duly labeled as to source of the importation and the date of same.

It is a well-known fact that sanitary conditions in China are practically a minus quantity and anything but what they should be. All human waste and excrement is used for fertilizing food crops. Cleanliness in the Far East is practically unknown as our Western minds view it. The Chinese hen is reputed to be living in filth and making a living as a scavenger amid all sorts of repulsive filth. We, in this country, don't want filth-fed eggs. We know that the quality of an egg depends upon the food eaten by the fowl producing it. We also know that very dangerous germs sometimes get into eggs. For this reason, as well as our desire for the prosperity of our own countrymen, let us hope that the protest of the Pacific Coast poultrymen will prove an effective one and that Chinese, or other doubtful foreign eggs, must not compete with our home grown product.

E. B. Thompson and a Second Term.

The present active interest taken by an encouragingly large number of breeders and fanciers in the work and welfare of the American Poultry Association is cause for satisfaction to every earnest believer in the possibilities of this body.

It is not a reflection on anyone who has at any time been active in the organization to say that Mr. E. B. Thompson, as president, is justly entitled to a very great deal of credit for this interest. As president of the association he has been president of the whole body—not of any faction. He brought to his office a splendid equipment. One of the oldest breeders in the country; an authority and a successful producer of the extremely popular variety, the Barred Plymouth Rocks; a man who has built up, by his own endeavors and superior ability, a business aggregating tens of thousands of dollars a year; one who is progressive where progression means improvement and who is conservative where great care should be exercised—he has commanded the respect and the loyal support of men of diverse views and of strong character. As a result, the association is today profiting by the work and the enthusiasm of a greater number of able and influential men than ever before. The lists of his committees and committeemen, which from time to time have been published in the columns of this journal, are evidence of the truth of this statement.

Furthermore, the next meeting of the American Poultry Association will, to our mind, be notable for more valuable and necessary legislation than any other in its history. Credit for much of this must go to Mr. Thompson. Many important committees will present their reports, and sound statutes will be enacted. The poultry industry is rapidly rising to a position of dignity which the vast assets and the large number of earnest and enthusiastic men and women engaged in it deserve.

With a desire to see the present condition of harmony and progress continued, the American Poultry Journal most cordially endorses Mr. E. B. Thompson for re-election. We trust that his nomination will be unanimous. The experience gained during his first term will be of great value in a second term. The men whose active co-operation he has secured will continue their interest, and their numbers will be augmented. Thus will the association be greatly benefited.

"New-Laid" or "Storage" Articles—Which?

Here are a few clippings for you to compare. Perhaps they may suggest something to you:

"The American Poultry Journal has two offices. When copy is submitted it should be sent to the editor, addressed Silver Lake, Plymouth County, Mass. If payment for copy is neglected, a letter of inquiry should be addressed to the American Poultry Journal, Chicago. Payment is made after publication at the rate of about $2 per column."

"In a letter to a contributor the editor of The Poultry Fancier, of Sellersville, Pa., says that the publication of the article submitted would probably be of greater value to the author than to the paper. However, the paper is willing to publish it without remuneration to the author."



S. C. BLACK ORPINGTON.

Winner of three firsts, first cockerel Ohio State Show, 1913; first cock Columbus, 1914; first cock Cincinnati, Dec., 1913. Owned by Syl. T. McCabe, 555 Fourth Ave., Columbus, Ohio.

"The Reliable Poultry Journal, of Quincy, Ill., in a letter to a contributor informs him that the journal is over-stocked with copy at the present time. Plans are made for a year ahead each August and copy is engaged at that time for the following year. The editor suggests that if copy is to be submitted it should be sent in next August."

"The American Poultry Journal, with its editorial office at Silver Lake, Plymouth Co., Mass., conducts a department in which are considered the methods of women poultry raisers. About $2 a column is paid for material after publication.

"Mrs. Helen T. Woods is the editor of this department."

The above quotations are from the January number of "The Writer's Magazine, a journal of information for literary workers." We do not intend to make extended comment.

American Poultry Journal employs a big and well paid staff of editors artists and regular contributors. It also is always in the market to buy good, live, interesting and instructive articles on poultry subjects. We want live, new, clean, fresh material that tells the story with plenty of helpful human interest.

We do not want articles the publication of which is of more value to the author than to the paper and therefore of little or no value to the reader.

We do not load up in midsummer with a varied assortment of stale material to be spread out over the next year or so. Our magazine is now in its forty-fifth volume. We are not and never have been overstocked with good, live, up-to-date poultry articles. We are always glad to get good copy and to rewrite and revise manuscripts that contain good, live, "new-laid" ideas,—and we pay for the ideas.

We are always glad to read manuscripts. If not available they are returned to the author if return postage is sent; if not they go into the waste basket. We buy available manuscripts and ideas. It is easy to get an overstock of material of certain sorts, but, we do not expect to ever be overstocked with good, live, helpful poultry information.

Mr. Reader, do you prefer your poultry information of the helpful, fresh, "new-laid" sort or would you rather have the "cold storage" variety,—stale long before it can be printed?

Fads, Faddists and Raw Food.

We certainly seem to be a race of faddists and extremists. Every season brings new fads, or old fads in new guises, and there is a mad scramble to follow the fad. Are human beings all getting so out of balance and so neurasthenic that the appetite for something new, for novelty and yet more novelties, is becoming insatiable?

Fashion changes rapidly in both dress and in kind or quality of amusements. Even the fashion in exhibition excellence of fancy poultry changes with the season and officially the Standard of Perfection changes in regular five year cycles. Change is right and good in its place and in moderation. We can't have progress without progressive changes. But is it necessary to go to extremes; to laud, preach and praise a thing one minute and condemn it almost with the next breath? Isn't that going a little too strong?

Well balanced folk ought to be able to fine some "happy mean between extremes"; possess the good, both old and new, and cast out the bad, whether new or old, and so help progress. The wild scramble from one novelty to another, the mad off with the old fad and on with the new, and change merely for the stimulus to be derived from a new form of faddism, all reminds one of the old saying: "Whom the gods would destroy they first make mad."

We have been amused lately by the near-science teaching now prevalent in some of our big colleges in the effete East. Just now the college professors are making a sweeping condemnation of all raw foods. Now, we hear preached that raw foods are dangerous, indigestible, form dangerous poisons in process of digestion, and are full of germs. And we are told that most raw foods are bad for us, unsafe, even fatal, and that only cooked foods are good and fit to eat. Good Lord, what rot!

Here we are only just getting our breath back from a wild and riotous crusade of the raw food faddists; in which raw foods were the panacea for

all ills on earth and presumably both above and below it; now we must make a quick change to suit another quick-change-group of near-scientific faddists. Well, anyway, while they are preaching and anointing converts maybe they are keeping out of other mischief. Let's hope so.

As a matter of fact there is a "happy mean between extremes" for those who have the sense to see it. Some foods are best cooked and some are best raw and some are good both cooked and raw. Then too there is a whole lot of difference in cooking. You bet!

Raw foods of certain sorts are both necessary and desirable for human kind and for animals, including poultry. We wouldn't want to get along without our share of raw foodstuffs and we certainly wouldn't do without a good proportion of cooked foods if we could help it. Foodstuffs like salads, succulent roots, cabbage and the like that are simply washed, cut up and eaten fresh and raw, should not be grown in human excrement. If intended for poultry feeding, greens and roots to be fed raw should not be grown in poultry dung. That is where the danger is greatest. Some particle of dirt clinging to the foodstuff may harbor a menace to health and life. Cooking, thorough cooking, would remove the danger, but we want the advantage from feeding that particular foodstuff raw while its cells are still alive. Raw food doesn't destroy primitive man or animals in the wild, so don't worry.

Make up your mind to enjoy and benefit by the good things in life. For yourself and your stock use such foods both raw and cooked as you find best. Try to steer the happy middle course between extremes. Let the fads come and let the faddists rave over them; if you get the right point of view you can see the humor of the situation and get a lot of fun out of it all.

———o———

Shipping Eggs and Breeding Stock to Canada.

Many Canadian buyers complain that breeders in the United States are careless in making and billing shipments of pure-bred poultry and eggs for hatching into Canada and for that reason the buyer often experiences annoying delays or is obliged to pay a heavy duty in many cases. We wrote to the Commissioner of Customs, Ottawa, Canada and received the following reply:

Department of Customs,
Ottawa, Nov. 22, 1913.

Sir:—

I have the honor to acknowledge the receipt of your letter of the 14th instant requesting information as to the invoicing and entry of pure-bred poultry for breeding purposes and eggs for hatching, when imported into Canada.

In reply I am to refer you to the provisions of Memo. 1475B, copy enclosed, which contains the regulations for pure bred domestic fowls for the improvement of stock. If a certificate of purity of blood, signed by the breeder, and describing the breed, is furnished to the importer in Canada along with the invoice, no difficulty will be encountered when entering such pure bred fowls for duty.

Eggs, whether imported for hatching purposes or otherwise, are dutiable at the rate of 3 cents per dozen when imported from the United States.

I have the honour to be, Sir,
Your obedient servant,
JOHN McDOUGALD,
Commissioner of Customs.

Memo. 1475B reads as follows:

Memorandum.

Department of Customs, Canada,
Ottawa, May 13th, 1908.

To Collectors of Customs:—

Regulations respecting free entry of pure-bred Domestic Fowls, for Improvement of Stock.

In cases of importation and entry of pure-bred Domestic Fowls for improvement of stock, a certificate of purity of blood, signed by the breeder, and describing the breed, shall be furnished on or with the Invoice to the Collector at the port of Entry.

The identity of the fowls described in the certificate shall be attested to by the importer or his agent on the Invoice or on the face of the entry, in the following form, to be signed by the Importer or Agent, viz.:

"The fowls now imported and entered by the undersigned are the identical fowls described in this invoice or entry."

"Sworn before me
(Signature) .....
"Collector."

Immediately on shipping stock birds to Canada the breeder and exporter should furnish his customer with a certified invoice and declaration of purity of blood with description of fowls shipped and the breed, executed in triplicate. The importer is obliged to present such invoice and certificate when entering such shipment of pure-

BUFF ORPINGTONS
Fashion Plate Strain



Our Standard bred models are in demand in every State and eleven years of trap-nesting goes with every purchase.

100 nicely finished cockerels yet in our surplus yards at $5.00, $10.00, $15.00, $20.00 or $25.00 each. Select your bird and we will fit the quality to your price and give 125 cents in value for every dollar you remit.

200 pullets budding into laying and **50** yearling hens, all raised from our best families of trap-nested layers, going out at $2.50, $3.00, $4.00 and $5.00 each—all pairs, trios or breeding pens mated in the correct blood lines to give **best** results in chicks.

See the 1914 **Orpington Fashion Plate Book,** study the description of our 28 yards and the price of eggs, Fashion Plate Buffs in natural colors, over 40 other illustrations, 56 pages. **FREE.**

A. E. MARTZ & SON **Buff Orpington Specialists** **Box A, ARCADIA, IND.**

bred fowls for entry free of duty. Failure of the shipper and exporter to comply with these regulations will cause the buyer annoyance, delay, and probably cost him a considerable duty fee, on stock which should enter free of duty.

Copy of approved specimen form of Certified Invoice and recommendations as to form of certificate of breeding and purity of blood and any further information may be obtained by applying to the Hon. John McDougald, Commissioner of Customs, Ottawa, Canada.

We urge our United States breeders to make it a point to familiarize themselves with customs requirements when making shipments into foreign countries and to make an effort to comply with all official customs regulations. By doing so you will only be doing your duty by your customer in a foreign land and you will earn his good will and respect by saving him delay, annoyance and unnecessary cost.

Our own government has exceptional facilities for supplying the latest authoritative information concerning foreign tariffs and has prompt notice of all important changes and proposed changes. Breeders can always obtain information concerning their export shipments to any foreign country and the special regulations which must be complied with. For such information address the Bureau of Foreign and Domestic Commerce, Department of Commerce, Washington, D. C.

———o———

Importing Poultry and Eggs.

Many readers have asked concerning customs regulations, or duty on eggs for hatching and stock birds brought into the United States from foreign countries.

There has been a mistaken belief that thoroughbred poultry for breeding stock purposes may enter this country duty free. This is not so. Animals registered by the Department of Agriculture may be allowed entry free of duty, but that department has not as yet accepted for registration any animals but mammals. Live poultry is subject to a duty of one cent per pound.

Eggs of poultry may enter the United States free of duty without restriction; eggs of game birds are duty free for propagation under certain special regulations.

Tariff No. 478 of the United States Tariff Act of October 3, 1913, dealing with customs treatment of eggs, is as follows: Free entry for

"Eggs of poultry, birds, fish, and insects (except fish roe preserved for food purposes); Provided, however, That the importation of eggs of game birds or eggs of birds not used for food except specimens for scientific collections, is prohibited: Provided further, That the importation of eggs of game birds for purposes of propagation is hereby authorized, under rules and regulations to be prescribed by the Secretary of the Treasury."

Detailed information concerning the application of the tariff to importations of poultry, or the eggs of game birds for propagation, may be obtained of the Customs Division of the U. S. Treasury Department, Washington, D. C.

———o———

Danger in Filth-Fed Eggs.

There is every reason to believe that there is grave danger in eggs from hens that are fed on filth and are scavengers about the farm out-buildings.

A professional man, who is also interested in poultry, writes us from the Northwest of an epidemic of typhoid fever, which he believes he traced to a filth-fed flock of poultry scavengers. Typhoid germs were found in eggs and the eggs were traced to a swill-fed flock ranging on an ill-kept farm. The fowls had the run of the farm, barnyard and privy, and watered at a stream into which a number of privies emptied. The water of this stream was found to be swarming with typhoid

REGAL MATINGS FOR 1914

White Wyandottes

1913 WINNINGS, BOSTON
Cocks, 1-6
Hens, 1-4-5
Ckls., 1-3-4
Plts., 1-3-4
Pens, 2-3-4

NEW YORK STATE FAIR
Cocks, 1-2-3-4-5
Hens, 1-2-3-4
Ckls., 1-2-3-4-5
Plts., 1-2-4-5
Pens (young) 1-2-3-4-5
Pens (old) 1-2-3-4-5

For the season of 1914 I have mated up twenty beautiful exhibition matings. They are all headed by my winning males at Boston and New York State Fair and contain all my exhibition females. My birds are the up-to-date kind, the kind that are winning today. Hundreds of my customers were winners in the shows this winter. Regal White Wyandottes have never avoided competition and no strain has made such consistent winnings in the largest shows. But this is not all; for years they have been bred for heavy egg production and stamina and it is conceded by all that no strain has a better record for usefulness. February 1st we had 420 rugged, thrifty chicks practically out of danger, having lost only 10 chicks to date. Our breeders are in curtain front houses and are the picture of health. Upon my show record and the utility quality of my birds I base my claim that Regal White Wyandottes are the best in the world. My customers will have an opportunity of obtaining eggs from these—the champion matings of the year. If you are starting in, the strain you choose will mean either success or failure for you. Can you make a better choice than the Regal Strain? A few settings of eggs will not cost you a great deal and will prove a good investment. See what one customer says:



Crusader III, a Boston Winner

Adams, N. Y., Dec. 5, 1913.

My chicks are coming on fine. I raised to maturity 23 pullets and 16 cockerels from the eggs I bought of you. They are the nicest, most uniform in size of any I ever raised and all absolutely snow white. Have had scant shade in the yards at that. When I buy Regal stock, I have no trouble in selling the surplus cockerels for more than enough to pay for eggs bought and cost of raising the lot, so my pullets really cost me nothing. The pullets are now laying, and I consider them worth at least $4 each for breeding purposes (being straight Dorcas line stock), so you can see that while I paid a big price for the eggs, I have made several hundred per cent on the investment. Thanking you for prompt service and courteous treatment, I remain,

Yours very truly, A. L. RICE.

EXHIBITION MATINGS, pens 1 to 20 (as they run), $5 per 15, $9 per 30, $12 per 45, $24 per 100. Pens 5 to 12 are special matings. Eggs from special matings only are $10 per 15, $18 per 30, $25 per 45, $50 per 100.

Record Laying Pens (Dorcas Line)

Pens 21 to 26 are headed by males bred from females with high records. Some of these males also have exhibition records. The females in the six pens are composed of yearlings with trap-nest records from 180 to 224, and pullets of the same breeding. From these pens eggs are $5 per 15, $15 per 50, $27 per 100, $50 per 200. Utility matings of vigorous surplus stock—$5 per 50, $9 per 100, $17 per 200, $25 per 300, $75 per 1,000. 500 cocks, hens, cockerels and pullets for sale.

SPECIAL:—50 big, vigorous, stay-white Dorcas cockerels, $10, $15, $20 and $25 each. Dorcas pullets, $5, $8 and $10 each. Utility cockerels, $3 and $5 each.

Free—20 page illustrated catalogue and mating list. It gives full description of my matings for 1914.

John S. Martin : Box 51 : Port Dover, Canada

germs. So far as known no humans ever drank water from this stream, but the fowls did. Cleaning up the farm and stopping the pollution of the stream checked the spread of typhoid. Most of the families affected had been in the habit of getting eggs from this farm because attracted by the low price. Just how much of the trouble was due to filth-fed, filth-watered eggs is problematical; but it is worth thinking about.

We don't believe you want to take a chance with the danger in filth-fed eggs and here is another argument against the cheap eggs imported from China.

———o———

Price Making and Getting the Price.

When you want to buy an incubator or a suit of clothes who is it that fixes or makes the price? The manufacturer.

When you want to buy groceries, provisions, eggs, meat or poultry, who is it that makes the price? The dealers.

Almost everywhere you go to buy, the producer or the dealer tells you what you have to pay. The exceptions to these rules are the farmers and poultrymen. Why? Because this class of producers lack effective organization and cooperation.

When you have farm produce or market poultry and eggs to sell, who is it that fixes or makes the price you must take? The buyer.

You either can't or haven't the nerve, or the power, to set the price on the goods you produce and have to sell. You have to take what you can get. Pretty rotten condition, isn't it?

Find out what it costs you to produce eggs, poultry and any farm products. Study and keep in touch with market conditions. Advertise your wares. Keep quality of your goods at the highest notch. Grade your products and don't mix grades. Use the parcel post to reach consumers direct when you can. Fix your own prices where they will yield a fair profit and insist on getting your own price, not what the buyer chooses to give. Don't get panicy for fear you will get caught now and then with an overstock hard to sell; better an overstock than to always be selling close to cost, or at a loss, and selling at the buyer's price instead of your own.

If you sell to a collector, dealer, or commission man, or any other middleman, you now have to take whatever price he chooses to allow you, you have to accept his weights and such loss and shrinkage as he pleases to claim. Many times you have to pay for this privilege of accepting the buyer's price for your wares by also paying a five per cent commission. How long do you propose to put up with such conditions?

In any location within easy shipping distance of a big city market it costs about 13 to 15 cents a pound to make just common range grown chicken meat. The collector seldom pays any more than that for them alive, but he aims to make not less than 5 to 10 cents a pound profit on them; the jobber gets his profit and so does the retail dealer. Where do you come in?

Specially grown soft meated winter chickens, the kind that are forced to make from 8 to 12 pounds of fancy chicken meat in 22 to 24 weeks, cost pretty close to 18 to 20 cents a pound to bring to ripe marketable perfection. The collector pays you 20 to 25 cents a pound for them at the door. He carts them home, dresses them and ships them to market and aims to make a profit over the price he paid you of 15 cents a pound, to pay him for his trouble. The jobber sells those fancy chickens to the retail dealer for 40 to 45 cents a pound and figures on not less than a 5 cents per pound profit for handling. The retailer charges 50 cents a pound for the dressed chicken which you sold alive for 25 cents a pound. You get soaked and so does the consumer. The middlemen get their profit, they take mighty few chances, but you sell for cost or at a small profit that won't pay living expenses.

If you ship to market direct, under present conditions, you pay the freight, stand all loss and shrinkage, and TAKE WHAT YOU CAN GET. Why not organize your business and set your own prices; make a delivered price and one f. o. b. farm? Work for yourself and for your own interests. Look out for number one. No dealer is going to look out for you if you are careless about your own interests. You are carrying a bag of corn by the middle and it is leaking at both ends; get busy, tie up the ends and stop the leaks.

The consumer cannot expect, considering production expenses and shipping or delivery expenses nowadays, to buy for much if any less than he is now paying for goods of the same quality. The producer must get more for his eggs and poultry if he is to get a living and something more out of the business. Work for yourself. Fix your prices. Try to get on a similar basis with other producers and manufacturers. Tell your customer what he will have to pay, instead of asking him how much he will give. There is only one way to sell goods, and that is to keep your nerve with you, look out for yourself and SELL GOODS.

If you go to a marketman who is now paying a regular collector and shipper 35 cents a pound for chicken meat, the chances are he will slather you with soft words about demand and quality making the price and you will be charmed to learn how good your stuff is and how well it will sell at 30 cents a pound, or 5 cents less a pound than the collector is demanding. If you showed a sample of goods up to mark in quality, and demanded the price, you would get the 35-cent price; but if you haven't the "know," or are weak-kneed about it, you'll get left. There isn't very much pure benevolence and philanthropy hovering around the marts of modern business these days. Every dealer is working for himself. If any man is careless with his money and about disposal of his goods, there is always somebody ready to annex them. WORK FOR YOUR OWN INTERESTS.

———o———

Charles McCaffree for the Executive Board.

The West and Northwest are rapidly gaining ground in the poultry business. Therefore, it is good policy to honor with important office in the American Poultry Association a man who joins with the enterprising spirit of this region a keen interest in poultry breeding. For election to the executive board of the American Poultry Association, this periodical submits the name of Mr. Charles McCaffree, at present commissioner of immigration for the state of South Dakota. To our personal knowledge he is fitted for this office by real

Keeler's White Wyandottes



CHIEF WINAMAC 4th—First Cock
Indianapolis, Jan. 10th to 16th, 1914

The Aristocrats of the White Wyandotte World

Have again demonstrated their superiority over all others by winning at

Indianapolis, Jan. 10th to 16th, 1914

1st, 2d, 3rd, 4th and 5th cock; 1st, 2d, 3rd, 4th and 5th hens; 1st, 2d, 3rd, 4th and 5th pullets; 1st, 3rd, 4th and 5th cockerels; 1st, 2d, 3rd and 4th old pen; 1st, 2d and 3rd young pen. The National White Wyandotte Club State Cup and Club ribbons for the best cock, hen, cockerel, pullet and pen; $50.00 cup for best display, and many other specials, thus supporting their well earned title of the

WORLD'S GREATEST STRAIN

Eggs Eggs Eggs Eggs Eggs Eggs Eggs

I have bred White Wyandotte for 20 years and for the season of 1914 have mated 16 grand pens. These pens contain practically all of the 62 birds that made these Indianapolis winnings, and the best birds reared the past three years. Sons, daughters, brothers and sisters of these grand birds. They are mated right and bred right to produce the winners at America's largest and best shows. 64 page 1914 Art Catalogue of America's finest White Wyandottes describing these matings in full free for the asking. (5 Red Stamps appreciated.) Eggs, $5.00 per 15; $9.00 per 30; $14.00 per 50; $25.00 per 100. Eggs from the best of all matings, $10.00, $15.00 and $20.00 per 15. State your wants clearly and address

KEELERSVILLE, Chas. V. Keeler, Prop., R. F. D. 11, Winamac, Indiana

ability, his standing in his community and good judgment and enthusiasm as a poultryman.

With his interest in the welfare of the American Poultry Association, and his power to serve it, Mr. McCaffree would undoubtedly accomplish much in building up the membership of the organization in those states of the West and Northwest contiguous to his own.

As this vast territory is rapidly being peopled, the attention of all its farmers should now be called to the benefits of poultry raising. The Journal believes that the election of Mr. McCaffree to the executive board would not only strengthen the association by his services but would please and interest a great body of western members, whose strong support the association needs and ought to have.

———o———

Do You Want an Expert Poultryman?

The editor of this periodical knows that there are relatively few men who, the magnitude of the poultry industry considered, are really competent all-round breeders and managers. To conduct successfully a large plant in all its details of feeding, mating, hatching, culling, selling and exhibiting requires the services of a man who possesses not only a rounded knowledge but a natural aptitude for the business. There are today in the poultry plants of this country many demands for just such men.

Now, we happen to know of a poultryman of very broad experience in the American breeds; one who has been an exhibitor and constant prize winner at the very largest shows in the country, and who would undertake the management of a plant where he would be given the opportunity to get results. From many years' acquaintance with the gentleman in question we give him an unqualified endorsement. He can conduct a plant successfully to the minutest detail.

In addition, he is fortunate in having a wife whose knowledge of practical poultry-raising is really equal to his own, and who is also qualified to carry on all correspondence connected with the operation of a successful plant from selling stock and eggs to preparing mating lists and catalog. Any individual or corporation interested in poultry raising and desiring the services of such a highly competent person will, by writing to the editor of the Journal, receive information necessary to opening communication with the gentleman in question.

———o———

A. P. A. to Investigate Advertisements.

The American Poultry Association's quarterly bulletin states editorially that:

"The president expresses his intention of appointing a committee to investigate advertisements which may be complained of as untruthful and misleading as to facts. This appears to be one of the most important moves, intended to correct a great evil against the honest exhibitor and advertiser."

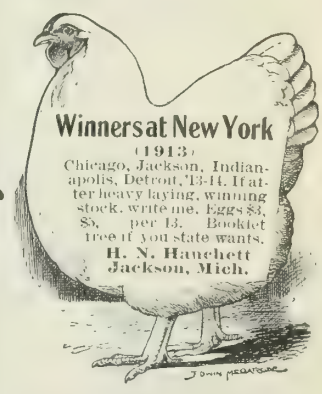
Censoring advertising is a big job and the committee appointed will have plenty of work cut out for it, if the job is to be a thorough one, but we wouldn't want to be in the committeeman's shoes. We get about all the work of censoring advertisements we can stand right now and it is often mighty difficult to say whether our view is right or that of the other fellow. We will be very glad to have the A. P. A. take charge of such work, so long as some one else gets the job. Would suggest that no editor or poultry judge be permitted to serve on this committee and that the president and the secretary be active members of it, with one other member who has been a breeder and advertiser not less than 15 years.

———o———

Coming A. P. A. Election.

The coming annual election of officers of the American Poultry Association excites very little interest. President E. B. Thompson appears certain of re-election with practically no opposition and it is generally conceded that he should have another term in office to complete the work begun and to show what he can do for the association. Secretary Campbell has every reason to expect to be returned to office for another year. Some "new blood" seeks admission to the executive board and A. C. Hawkins, of Massachusetts; John M. Parker, of Montana; and Martin F. Schultes, of Tennessee, have been mentioned. Joseph Russell of Toronto is a new candidate for the first vice presidency and Louis Lee Haggin, of Kentucky, for second.

Several cities want the annual meeting and, quite naturally, we hope the convention will come to Chicago. We believe that Chicago now has first claim

White Wyandottes


Blue Orpingtons

U. R. FISHEL'S AD in this issue will interest you. Read it.



WM. COOK & SONS
ORIGINATORS OF ALL THE ORPINGTON FOWLS & DUCKS
Plants in America, England and Africa Established 1873 : Box A, Scotch Plains, New Jersey

Eventually, if you want the **best Orpingtons** of any variety, you will buy from their **Originators—Why not now?**—And avoid loss and disappointment. We **guarantee** safe delivery and **satisfaction,** backed by a reputation of 41 years standing. This means something to you, when placing your orders.

Our winnings in 1913—356 prizes including **170 Firsts** and 105 Seconds at the **largest** shows in this country. This was the result from our **best matings** and our customers produced from these matings hundreds of first prize winners.

Eggs from our first prize winners and the finest Orpingtons in the world **$20** a setting. From fine stock and our second prize winners **$10** a setting.

Send 10c for illustrated catalog containing history of the origination of the Orpingtons and hints on poultry keeping. **Mating list free.**

Several thousand Orpingtons always for sale in **Black, Buff, White, Diamond, Jubilee, Spangle and Blue, all** of which we **Originated.**

Over **14,000** first prizes won by us. Inspection **cordially** invited, trains met. A visit to our plant will show you that the finest Orpingtons in the world are mated up there. Advice free. We can start you in the poultry business right.

ORNAMENTAL LAND and WATER FOWL FOR SALE

and should have the meeting and we know that our home city will do its utmost to make the convention a most successful and enjoyable one. Therefore we ask YOU to VOTE FOR CHICAGO.

The Ancona World

Which is published at Franklinville, N. Y., has taken over the Campine Herald. They have enlarged in every department, besides adding twelve pages. Advertising rates have been increased, but the subscription price remains the same. This is the fourth successful year of the Ancona World and the third time it has been enlarged. The best wishes of American Poultry Journal in your new venture.

Good News from New Jersey.

A correspondent writes us that a poultry club is being organized in New Jersey that, instead of devoting all its energy to holding an annual show, which often causes the members to dip into their pockets to make good a deficit, will do its best and biggest work by bringing consumers and producers together for mutual benefit.

The plan will be to secure the names of consumers who desire to deal direct with the producers of eggs, poultry, fruit and other farm products and the club exchange will place these names with members who are producers. Advice and assistance will be rendered in securing customers, best way to fill orders, best packages for parcel post delivery, and other details of direct selling by producer to consumer. Club dues are to be moderate and service is expected to be open to all poultrymen and farmers.

This is good news, if true, and we shall await further and detailed information with much interest. We understand that it is the intention of the promoters of this organization to develop the plan in all large cities.

Chicago Coliseum.

In a recent communication from H. W. Deem, of the Buckeye Poultry Yards, Eaton, Ohio, he informs us that there was a mistake made in the printing of the Coliseum catalog.

The catalog gives him 2nd Buckeye cockerel and he informs us that he won 1st cockerel.

He writes asking us to inform our readers of same, as we in our January issue quoted the catalog.

Notice to Show Secretaries.

The sixth annual exhibition of the Coliseum Show will be held in Chicago December 11, 12, 13, 14, 15 and 16, 1914.

Other associations will please make note of these dates and, as near as possible, avoid them. Note this show opens on Friday. Local shows in Illinois and adjoining states will please arrange to close such shows as may be held the week of December 6 Thursday noon, the 10th. This will enable all exhibits to reach Chicago Thursday night.

The following judges have been selected: Illinois, McCord, Hale and Johnston; Iowa, Shellabarger; Missouri, Branch; Wisconsin, Wells and Greenwood; Minnesota, Whitney and Smith; Michigan, Tucker; Ohio, Hark; Indiana, Pierce, Pickett and Clark.

Premium list November 1st. Entries close November 25th. Specialty clubs that are arranging to hold their meetings for 1914 in the West will please correspond with the secretary at once.

Theo. Hewes, Secretary.
Indianapolis, Ind.

DR. WOODS' NOTES AND COMMENT.

We get a good many questions concerning foreign and domestic customs rates and regulations. Readers who desire information on customs duties and customs regulations of foreign countries and any details concerning our own tariff should apply direct to headquarters for same. Make your inquiry in detail and address same to the Bureau of Foreign and Domestic Commerce, Department of Commerce, Washington, D. C.

* * *

From the widely spaced and padded columns of the A. P. A. quarterly bulletin for January, one might assume that the association finds it exceedingly difficult to find sufficient live organization news to fill an eight page quarterly. There seems to be a dearth of official news and information anyway, for mighty little ever comes to our desk. What there is of editorial matter is good and of interest, likewise that part of association matters which is not reprint, but there is a wealth of space padded with heavily leaded lines and big black scare heads and rehashed newspaper stuff old as the hills. Personally we would like some real live information concerning the actual work of the association, but perhaps this is



Important Notice

ART C. GILBERT, THE ORIGINATOR

of the Blue and Cuckoo Orpingtons

Has now gone into partnership with

Mr. Wm. H. Depper of Pine Lodge Farm, South Lincoln, Mass.

We have been preparing for this combination for the last 3 or 4 years by shipping annually many of the originators' best stock birds from England to Pine Lodge Farm, and so getting together a reliable and first class stud. Whilst the main part of the European stock has only shortly arrived at the farm, one large consignment (the last) is still on the ocean coming across. Mr. Gilbert is now settled right here managing the farm. Besides being the originator of the Blues and Cuckoos, he was in Europe generally acknowledged to be the greatest **Breeder** of all varieties of Orpingtons living, so that Pine Lodge Farm Co. is run by experts who know the poultry business right through and therefore, combined with their years of unimpeachable reputation, can be relied on; not only to give you a square deal, but also value for money.

WRITE FOR OUR 1914 CATALOGUE

BYERS' ORPINGTONS

BUFF, BLACK, PEARL WHITE

Fifteen Years a Successful Breeder of Orpingtons Only

The Greatest Producing Line in America

That's why you will profit by a purchase from me in either Stock or Eggs. I produce and sell winners from Ocean to Ocean. I sell Eggs that do the same. I am the oldest Breeder of Orpingtons in America maintaining a reliable policy and a complete line of the Best Possible in Orpingtons. Hundreds of Birds for sale every month of the year.

EGGS—Best Possible Matings

$10 per 15, $18 per 30, $50 per 100. 8 chicks guaranteed hatched or I will replace full setting free. Utility Eggs, customary price and terms. My Big Catalog and Spring Supplement is Free, if you make clear your requirements.

C. S. BYERS (Successful Orpington Specialist 15 Years) HAZELRIGG, IND.

not permitted to go outside the executive board.

* * *

We note from the bulletin above mentioned that the A. P. A. has at last discovered that successful artificial incubation was practiced in Egypt some 5,000 years ago; that ovens were used and heated with smouldering straw, etc. That seems to have something familiar about it, and, now that we think of it, we believe we have read that same information in various poultry books, some of them dating back a good many years. There is nothing like being progressive!

* * *

Soon we shall have another annual election of officers in the American Poultry Association. To date of present writing things appear pretty quiet in association politics. The bulletin tells us that the A. P. A. now has nearly 6,000 members. That "listens good." We'll wager though that a mighty small percentage of members have any idea who is eligible for office, who is willing to run for office, or who they really ought to vote for, for the best interests of the association. It seems to us that even "eighth ward politics" would be preferable to such conservative "progress, purity and protection."

* * *

Under a fat black type head that declaims: "Work for Branches" we find these lines only: "In the future complaints and disputes are to be referred to the branch associations for recommendations." Sixteen words, that's all! If that is all the work there is for branches, why bother with 'em? If we are not mightily mistaken Branch Association work is destined to be the most active and important part of association work and we hope that the new constitution provides for it. But our official bulletin can only find sixteen words in which to cover work for branches in the midst of a desert of wasted space. And we get just four bulletins a year and the "Proceedings!"

* * *

Ex-President Hicks is quoted as suggesting that "the Annual Proceedings should be placed on a self-sustaining basis." Presume that means that members should pay for 'em. In the editorial comment we find the following: "The expenses of the Association are very heavy and it is hoped that all members of committees will reduce the cost of their work to the minimum. Nearly every committee member derives some part of his livelihood from the poultry business in some of its forms and is indirectly helped by the prosperity of the association." Think that over, comment does not seem necessary.

* * *

From the financial statement given in the bulletin it is apparent that the association is able to pay its obligations and have a comfortable sum left in the treasury. After the past two lean years of business we imagine that there are a lot of poultrymen who are mighty glad to find their books balancing even. Living expenses are very heavy these days and most of us are obliged to plug hard most of the time at work that pays cash, and dipping into both time and money to help out work in several associations often proves a drain difficult to sustain. Then when some particular organization begins to preach "duty," "loyalty" and sometimes scolds about "ingratitude," some of us begin to wonder where we come in and just what we really do get out of it anyway. We've a notion that duty and loyalty are virtues that should always work both ways.

* * *

We are glad to note that the April quarterly bulletin will publish the text of the proposed new constitution for American Poultry Association.

* * *

It is evident that so far very few members have taken advantage of the Atlantic City resolution, expressed a willingness to serve the A. P. A. in an official position and notified the secretary that their names might be listed in the bulletin as candidates. Why such exceptional modesty this year? The list of candidates as published is as follows:

President—E. B. Thompson, Amenia, N. Y.

First Vice President—Joseph Russell, Toronto, Ont.

Second Vice President—Arthur A. Peters, Denver, Col.; Louis Lee Haggin, Lexington, Ky.

Secretary—S. T. Campbell, Mansfield, O.

Executive Board—R. E. Bruce, New Orleans, La.; C. M. Bryant, Boston, Mass.; A. C. Hawkins, Lancaster, Mass.; Earl Hemenway, South Haven, Mich.; S. J. Hopper, Dallas, Tex.; Charles McCaffree, Pierre, S. Dak.; N. R. Nye, Leavenworth, Kan.; John M. Parker,

CHRISTIE'S
S. C. White and Brown Leghorns

Having been bred for 14 consecutive years, represented all over the world, they stand today without an equal as egg producers, the foundation upon which all branches of the poultry industry hinge. We have been shipping our

S. C. White and Brown Leghorn Day-Old Chicks and Eggs for Hatching

to all parts of the United States and foreign countries for ten years, and during this time we have shipped over 1,000,000 chicks and 800,000 eggs for hatching, and we have yet to find one displeased customer, a record attained by very few. Before placing your order, write today for our illustrated catalogue, and read what thousands of our pleased patrons say in regard to the **World's Greatest Layers.**

"Better Be Right Than Sorry"

S. C. White and Brown Leghorn Chicks, $15 per 100

WAYNE POULTRY FARM F. W. CHRISTIE, Prop. **Box 71, STONY POINT, N. Y.**

PALACE
New York Show

Second Edition of Our 1913 Winnings in

S. C. R. I. Reds

They are unbeatable. Competing with the "World's Best" in a class of 155 birds, we won **First Pullet and Special for best Red in Show;** Second Ck.;First, Second Pens; Display and Specials.

At Allentown's Great Show

Our winnings stand as a Show record for at this great 1913 Show with the largest and best entry ever recorded, **we won first cock; first and second hens; first and third cockerels; first pullet; first pen;** first display; $60 cup for best Rhode Island Red; **the sweepstake for best Red male or female**, etc., etc. This is a **modern record** made by our **modern up-to-date line.**

This Stupendous Sweep

Is but a **repetition** of **our last year's winnings** when they led all others at **Philadelphia, Cleveland and Pittsburgh** by winning **13 out of a possible 15 first prizes** competing in the largest and strongest classes of the year. (Look up these records.)

At Phila., Cleveland and Pittsburgh

Our First Prize Cockerel Was Awarded the Championship Sweepstake Special for

The Best Male In The Entire Show

This Record Stands Alone and Unapproached by Any Breeder and of Any Line

Our Allentown winnings prove again we have the winning quality for any show. Having 1,300 youngsters ripening with an evenness of color and highest merit, we are prepared to fill **your wants to your perfect satisfaction** in either old or young. We offer early birds fit to win now. Selected breeding birds mated for best results; a specialty in pens, trios or in larger lots. Write your wants please. It is no trouble to quote you prices and give any desired information.

Schenley Heights Poultry Farm

C. F. Rankin, Proprietor

1202 Commonwealth Bldg. Pittsburgh, Pa.

Creston, Mont.; Martin F. Schultes, Bartlett, Tenn.

The announcement is made that "this notice in no way prevents any member of the Association from becoming a candidate." So far so good, but why such a scarcity of candidates who are willing to announce themselves in the official bulletin? Lets hope that another year the several candidates will come forward promptly with their notification to the secretary, and that accompanying the name of each candidate will be published a brief summary of his qualifications and fitness for office. One may be "a big toad in a small puddle" at home and yet not make a great deal of noise in the world at large, and there are always a lot of fellows "back in the bush" who would like to know and to be informed concerning candidates.

* * *

The bulletin says that these queries are "worthy of a thought" and so we quote them. We imagine that some of these the association would find difficult to answer with a direct "yes" or "no" and have it prove effective or final:

1. "Shall color disqualification be abolished?"
2. "Shall show rules be printed on entry blanks or in the premium lists?"
3. "Shall entries close the date advertised?"
4. "Shall private scoring be discontinued?"
5. "Shall judges be required to fill engagements?"
6. "Shall associations be permitted to cancel engagements with judges?"
7. "Shall exhibitors' names be placed on the coops before judging?"
8. "Shall judges remain at shows one day after their work is completed?"
9. "Shall show rules be enforced?"
10. "Shall the judges have an association?"
11. "Shall all varieties of one breed have the same weight clause?"
12. "Shall surface or under-color be given the preference?"
13. "Shall the association favor the retention of symmetry as one of the sections in the Standard?"

Mr. A. P. A. Member, we suggest that you answer these thirteen questions (don't be afraid of the hoodoo number) and express your opinion concerning them freely and candidly, and mail the result to Secretary S. T. Campbell, Mansfield, Ohio. A symposium of these replies, ably edited, ought to furnish a little "copy" for some future bulletin.

* * *

Chicago wants the annual meeting of the American Poultry Association this year. Vote for it. Other cities that have extended invitations are: Buffalo, Detroit, Houston, Indianapolis, New York, St. Louis, St. Paul, and Washington. We haven't anything against the other cities, but we think Chicago has earned the meeting and deserves to get it. We intend to vote for Chicago, Ill., as the place to hold the 1914 A. P. A. annual convention, and we hope you will vote that way too. Plan to meet us at Chicago and don't fail to vote for Chicago.

* * *

From D. Lincoln Orr, of Orr's Mills, N. Y., we have received a trio of White Faverolles, donated for experimental purposes. They are good, healthy, active specimens and we hope to get

The Question of Cleanliness

Settled with

Peerless Poultry Protector

The Snow White Disinfectant Coating

Poultry houses covered inside and out for a fraction of a cent per square ft.

Weatherproof
Washable
Fireproof
Sanitary

A dry powder soluble in cold water. Easy to mix and apply.

Prices in less than ton lots

350	pound	Barrel . .	$25.00
200	"	" . .	15.00
100	"	Keg . . .	9.00
25	"	Box . . .	3.00

One pound covers about 30 square feet. Two coats.

More efficient than anything else.

Peerless Poultry Promoter

Port Richmond, N. Y.

enough chicks this season to try them out for practical utility qualities. This French variety has been highly recommended for heavy laying and the production of prime table poultry. At recent shows it attracted the attention of a number of market chicken growers, who want a meaty, big bodied, quick growing chicken. One breeder reported that last season he had range chicks which made 9-pound cockerels and 7½-pound pullets at seven months old. The roaster man wants a quick growing, soft meated chicken that will make 8 to 12 pounds weight in 22 to 24 weeks. It takes a very hardy, quick growing bird to do this. Another thing the roaster man wants is a good supply of hatchable eggs, mostly out of season, and that calls for a combination of fecundity and exceptional constitutional vigor. If the White Faverolles can make good with the meat and eggs desired, we don't believe that the white skin and legs will prove any drawback. Of course many of our markets prefer yellow skin and legs, but a good, big, fine grained, soft meated chicken never has to go begging for a customer on account of color of skin. We hope to get some first-hand information concerning this variety during the coming season.

* * *

We are also indebted to Mr. Orr for a sample of corn from the Argentine. It is a small, hard grained, yellow corn, like our northern flint variety, well cured and sound, and should prove excellent for poultry feeding and making ground chick foods. We understand that most of this corn should arrive in our markets in good condition at just about the time when native grown corn is most troublesome and most liable to spoil. If this is true, then Argentine corn should prove a boon to chicken raisers, for every season spoiled corn and "green-heart" corn, from ill-cured domestic crops, cause an appalling chick mortality.

One of our correspondents, in remarks concerning our recommendation of feeding the live cells of fresh raw vegetable food, refers to whole grains as food made up of dead cells. Had he confined his remarks to ground grains and not included whole grains, the comment might have been well enough, but it is not true that whole grain is made up of dead cells. Whole grains and other seed may be compared with fertile eggs; so long as they are reasonably fresh (still retain the power to germinate) they are very much alive. The germ or heart of the grain is a living organism, just as is the germ of the egg, and whole grains are to be included in live celled foods; at the same time the whole grains do not supply the same desirable qualities to be found in the living cells of fresh raw greens, and fresh raw greens are a very essential and desirable food for poultry where best results are expected.

* * *

I. Putnam, Elmira, N. Y., has sent us a sample of the "Little Putnam Stove," designed to keep the drinking water from freezing. It holds 3½ pints of oil and burns about a month without refilling.

* * *

From Otis and Moe, Chicago, Ill., we have received two sample "never fail" trap nests of galvanized iron. We have had them in use since the New York show and find them practical and effective. It is a well made, moderate



Do you know that the past season has been one of glorious triumphs for my many customers and proves that

KENNEDY'S

IMPROVED CHAMPION STRAIN SILVER AND GOLDEN

CAMPINES

"The fowls with a character all their own" are the aristocrats of the show room in America! They have won the blue and red in the hands of my many customers at every show of note, such as New York, Boston, Baltimore, Philadelphia, Buffalo, Pittsburgh, Cleveland, Chicago, Los Angeles, Atlanta, Kansas City, St. Louis, Allentown, Hagerstown, Syracuse, as well as from coast to coast in Canada. The question no doubt arises in your mind how do I account for these sweeping triumphs of my many customers, it is easily explained in a few words, "I do not exhibit myself, so take great pleasure in fixing you up right for any show and again, I have no special matings for my private use, but in other words, they are all special matings for my customers."

Eggs For Hatching

Now, if you contemplate purchasing eggs for hatching, do not forget that I make a specialty of supplying same from the grandest birds that are properly mated for best results, and they will unquestionably produce winners. My prices for the season are at the rate of 50c each or $7.50 for 15 eggs as they run from all my grand matings, SELECTED EGGS, or in other words, if you already have a flock of Campines and you want eggs selected from my best females or matings that are strong in the points in which your flock is weak, they are $1.00 each or $15.00 for 15 eggs. Order early, as the demand will far exceed my supply, in fact, on Feb. 1st of this season I had nearly 50% more orders booked for shipment after March 1st than I had last season the same time.

Campines Have Made Good
Are Making Good
And Will Do Still Better

CAMPINEOLOGY

Third Edition.

"The story of the living egg machines." The most costly and complete work ever attempted on Campines will be off the press March 15th. It will be an encyclopaedia on this wonderful fowl, going into matters of interest in detail, as well as a work of artists' and printers' art. If you are at all interested in Campines it will be worth dollars to you—ten cents to pay postage on this DE LUXE publication will be appreciated.

J. FRED N. KENNEDY
Box F **Birch Cliff, Ontario, Canada**

priced nest that will trap the laying hen without fuss or trouble and it is sanitary, easily cleaned and lice-proof, if kept clean.

* * *

Anent poultry feeding there are wide differences of opinion. There are many good methods, almost as many as there are successful poultry keepers. Efficiency in poultry feeding, as in all other work, means the maximum of accomplishment with the minimum of labor. The test of any feeding method is getting results. It is results that you are after and not, as some seem to think, merely saving labor. If saving labor, of itself, were the sole object, why bother to keep poultry at all? If you have a method of feeding that yields you a profitable return, don't be in a hurry to change it for something else.

* * *

We believe in and we have been preaching labor saving to a considerable extent. On most poultry plants big and little there is a lot of labor wasted, and labor costs money, is hard to obtain in many places, and wasting labor is wasting money. But to save labor at the expense of the returns is a still greater waste. In poultry feeding we want to get the best possible returns from our flocks in hatching eggs, chicks, poultry meat and table eggs, not forgetting that always we want the maximum constitutional vigor whatever we are specially working for, and to get it at the lowest cost consistent with good returns. Sensible labor saving methods of feeding will provide for the birds being well fed at all times, keeping the food clean, avoiding waste, and supply a good variety of wholesome foods.

* * *

We are not opposed to hand feeding if the poultry keeper has the time and knows how to feed for best results. Careless hand feeding, more often than not, amounts to stuffing the fowls. We haven't the time to give to hand feeding methods ourselves. It means being on hand at a regular feeding time and taking a good deal of time for the work, and that for us is not possible. We can't hire labor intelligent enough to properly hand feed poultry, at least not at a price we can afford to pay. For that reason we have made a practice of keeping grain before the birds, allowing them to feed themselves with foodstuffs of their own selection from the variety on hand. Many plans were tried and from most of them the results were good, but we wanted to minimize any waste of food, to keep the food clean, to always have the food fresh when supplied, and to avoid obliging the fowls to eat food that had been "nosed over." It was not until we secured a covered metal hopper, worked by the fowls themselves and one that does not feed except when food is wanted, that we secured the results we were looking for. According to the



Tompkins' Winnings—



What They Mean to You, a Possible Buyer

NEVER in all my showing experience have I been up against such keen competition as in the past season. Take the New York show at Madison Square Garden, for instance; there were 300 entries of Rhode Island Reds.

In all that lot there were mighty few below average—you who were there know that full well. Still Tompkins' Strain walked away with seven ribbons and all shape specials on Single Combs, First Cock and the Item Cup being among them.

Now I might make a good winning at one show a year, but fall down on the others—but I don't. At the Palace Show in New York, at Boston and at the Madison Square, New York, Tompkins' birds made big winnings, and each time under different judges.

Another thing to bear in mind, is that this isn't the first year Tompkins has won. **It's the twelfth.** Year after year we have captured Blue Ribbons. My strongest competitors now are birds of my own strain belonging to my customers. They are giving me the merriest kind of a hustle at the shows.



This grand bird won first ribbon and shape special in the December, 1913, Madison Square Show, New York, against the strongest competition I have ever experienced.



At the Palace Show at New York last December, this Tompkins Top Notch Special walked away with the much contested for first prize. First on Rose Comb and first on Single Comb in the one year at different shows awarded by different judges.

Of far more importance to me than all the first and other ribbons I won, is the fact that at all three of the big shows I won Blue Ribbons and specials for Best Display. The real meaning of which is that my strain of Reds **average high right straight through.** It's not a case of picking out a few from a large flock. Every one who knows my little old farm up at Concord, knows I don't carry a big flock of birds, **but those I do have are superior.**

These, then, are the vital things to think about in deciding where to place your egg orders. They are the things that should govern your purchase of pens and single birds whether in rose or single combs.

My Mating List is ready. My new catalog has a full list of my 1913-14 winnings. Send for both. Orders are filled in order received, which means there are sometimes certain advantages in being among the first

LESTER TOMPKINS

Tompkins' Rhode Island Reds

Concord, Massachusetts



RED SUSSEX

FIRST PRIZE PEN CHICAGO AND MAD. SQ. GARDEN, 1913

A. A. CARVER SEVILLE, O.

There is no doubt that the Red Sussex will make a hit with the American Fancier and we believe that at the coming shows they will be represented in greater numbers than any new variety that has been imported during the last few years. There is a reason. Red Sussex are distinctly a surface-colored fowl; no need to worry about under-color. In size they are midway between a Plymouth Rock and an Orpington. They resemble in surface color the Rhode Island Red. Their shape differs from the Red in being deeper from back to keel, and their white skin and legs, abundance of white soft meat, will make them ideal table fowls. The above Pen won first prize at Chicago, New York, Cleveland and Buffalo, and many favorable comments were bestowed upon them by judges, editors and breeders. Carver's Red Farms at Seville, Ohio have mated up a number of Pens for the coming season and will be pleased to send free descriptive matter pertaining to this valuable breed—L. A. Stahmer.

equipment provided, it permitted us to feed some flocks but once a week and others twice a week with excellent results. The saving in food and in labor was considerable.

* * *

During the winter of 1912-13 we carried about 1,500 head of laying stock, in flocks of from 100 to 150 each. For these we used 39 automatic feeders for whole grains and 12 common box hoppers for dry mash. The hoppers were filled up with grain twice a week. Often at feeding time they still contained considerable grain, but the object was to keep them full and to keep a supply of grain always before the fowls. As the feeders feed from the bottom and scatter the grain as they feed, the birds were always sure of a fresh supply of new clean grain. No chance for grain waste, or for scratching over, or nosing over old grain in dirty litter and filth, as the feeders were not worked unless the birds wanted food. There was never any rush at feeding time and the birds did not hang around the hoppers. In fact, only a few out of the flock would usually be found feeding at the same time.

* * *

A friend asks: "Won't they eat too much if they have food before them all the time?" Most assuredly they will not. Take it home to yourself. Suppose you were one member of a colony of 100 or perhaps 2,000 people, all under control of one management which attended to feeding all of you and to keeping you at work. Now, suppose that the feeding van only came around once a day or even three times a day and fed you all quickly, or dumped the food in a long line and then passed on. What would you do? Wouldn't you crowd and scramble for that grub and try to hog all you could to last until next feeding time, whether you wanted it or not at the time? Then suppose that, like the hen, your only way to hold on to the food against time of hunger was to get it into your crop; wouldn't you form the habit of cramming down all the food you could whenever you had the chance? Well, that is the labor-saving kind of hand feeding that seldom yields good results. Now, suppose that for that same colony there were several food stations, always supplied with a variety of food (a never-failing supply of clean, good food) and you knew that whenever you felt hungry you could go to the nearest one and help yourself—what would you do? You would only eat what you wanted, when you wanted it, wouldn't you? Well, that's sane hopper feeding and, properly installed, it is good for small flocks and for big ones.

* * *

It sounds like a lot of work to fill up hoppers once a week or twice a week. It isn't. If the hoppers are properly arranged it is a snap compared with any other plan for scattering food and yet saving loss and waste. The most convenient way to handle grain on a poultry plant is in 2-bushel sacks. After the first purchase you own the sacks and turn the empties in on your bill to pay for new lots. A ton of grain in sacks can be handled in a very short time by any active man. All feeding grains have to be handled in some manner when feeding poultry; the less handling the better if you save waste, keep the grain clean, the birds well fed, and get satisfactory results. Suppose you have 40 half-bushel hoppers to fill twice a week; that is only ten sacks of grain, or about half a ton. Load your wagon or feed car with grain sacks and start out. Throw a sack on your shoulder, grip the tied end in your hand, cut loose the tie-string and without removing the bag from your shoulder you can fill four hoppers in a jiffy. If you must use pails to handle the food it takes a bit longer. Maybe that looks like a job for a husky man. It isn't one for a weakling, but if you lack the strength

MYERS

BARRED PLYMOUTH ROCKS

The Pullet Breeding Line

AGAIN makes another Madison Sq. Garden, New York, show record. THEY REPEAT, and for the second time in succession I win FIRST PRIZE HEN at this greatest of all shows, also Special for

CHAMPION FEMALE

My complete record is: **Hen, First and Fifth; Pullet, Second and Third; Pen, Third, and Special for Best Female in the Class.**



This, with my former winnings at this show, Philadelphia, Hagerstown, etc., made with birds of **my own breeding** tells the story of their quality and worth.

500 Cockerels and Pullets for Sale

These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder who wishes to improve his flock and breed choice exhibition and quality birds. They are the kind to bank upon for success. I will sell in lots and quantity to suit, and assure absolute satisfaction.

Selected Breeding Cockerels, $5, $7.50, $10, $15
Selected Breeding Pullets - $3, $4, $5 to $10
Trios - - - $10 up. Pens - - - $15 up.
A Special Pen of Male and 4 Females for - $25

Remember I select and mate all birds sold. Write me your wants.

Eggs for Hatching

Catalogue now on press. Let me send this to you—it tells the story of this line in breedings, winnings, matings, etc. It also describes the birds, with prices and general information. Write today.

C. N. MYERS, Box A, Hanover, Pa.

for the job you won't be tackling a big poultry plant without hired labor, and the only hired labor worth while for a poultry plant is the strong, husky sort; the manager is the man who is to do the brain work, and he can hire the brawn. At all events, we know from actual observation that one intelligent woman, with the care of a house and family on her hands, can and did handle a flock of 2,000 hopper-fed layers successfully and only hired a man for two hours twice a week to do the feeding and cleaning. Running stream supplied the water and she collected and shipped all eggs. Now, isn't it better to lump the feeding into a brief interval two days a week instead of stringing it out every day?

* * *

Where large flocks must be handled, grain can be purchased to best advantage in sacks in mixed car lots. Many nearby elevators will ship at special rates in sealed cars as small an order as five tons. There should be a rat-proof granary on every plant. For poultry plant use we don't like bins of any kind for grain. It costs too much money to build a practical workable elevator with elevated bins and shutes that will work. The kind of shutes that won't work are common on poultry plants equipped with overhead bins. The cleanest way to handle the grain is in sacks stacked log-cabin style on a clean, rat-proof floor, each grain by itself. In spring and warm weather put scantling between the layers of sacks and let the air get to the grain on all sides. Bins get moldy, musty and dusty, the grain heats in them unless great care is exercised and there is much chance of having spoiled or damaged grain. In the spring and summer, elevators find it necessary to keep grain on the move to prevent it from spoiling and a poultry plant can't afford to waste too much time in handling grain. Bought in sacks, kept in sacks until put into the feeders, used up promptly and the old lot used up before starting on the new, is the best plan. When weather is liable to cause heating and spoiling, buy in smaller quantities, as short a rail trip as possible, and use up the grain promptly. In chicken time, the time when we need the best of feeding grains, is the season when corn, cornmeal and cracked corn spoil most quickly. Don't get caught with spoiled corn.

* * *

A poultryman with 10,000 layers tells us that it averages about a ton of grain a day to feed his flocks; of this about one-third is dry mash. He feeds once a week and keeps the grain before the birds all the time in modern hoppers. He says he finds it more convenient and satisfactory to take half a day once a week and make a good job of filling up all feeders, than to trail along with a load of grain for the birds every day, and he thinks he makes better use of his time and that of his two helpers by feeding only once in seven days. Also it gives him a better chance to get good deliveries on supplies and to keep his granary well cleaned up and the food stock fresh and in good order.

* * *

"Many men of many minds" certainly fits the poultry business, for methods of caring for poultry vary widely among successful men. There isn't any one best way, and the best way for each individual is the one that suits him best and yields him best results. Capacity for work and ability to handle detail varies greatly in different individuals. Some men make very hard work of a very simple matter, and others make light work of a difficult job. Success is much more in the man than in the method he employs. It is up to every poultryman to analyze his own capacity and to keep within it. Don't attempt to do more work than you can do well. It may amount to about the same thing in the end, but it always looks better to us for a man to make $1 a head profit on 5,000 birds than to make a profit of 50 cents a head with 10,000. "A little farm well tilled" is a whole lot better than a big one indifferently handled.

* * *

This year, more than ever before, big flock colonies of layers and big brood lots of chicks seem to interest our correspondents. Under some conditions we are in favor of big flocks of layers and good sized flocks of breeders, if the flocks are not too big and if the local conditions are favorable. With big flock colonies of breeders and layers

LOOK

BUFF BLACK WHITE ORPINGTON POUND CHICKS



at prices no higher than others ask for **Eggs** of the same or poorer quality. Our pound chick proposition will revolutionize the poultry fancy. You take no risk. A pound chick is a different thing from a day old chick or an egg. Here you get certainty. Chicks out of **Danger.** Yes we have day old chicks and eggs too, and at prices that are just. You pay for no full page ads here. Remember that we can supply a **Few** very choice Rocks, Reds, Anconas, Wyandottes, Minorcas and Campines in pound chicks, day olds or eggs, and our catalog is free for two stamps, or make it 10c and get big colored plate of pair of Buff Orpingtons—our kind (That won championship of AMERICA) and the **Orpington Magazine, 1 year.**

Cheviot Farms, R. 2, Cincinnati, Ohio

N.A. Contest 282 Eggs

TOM BARRON'S

Mo. Contest 258 Eggs

WORLD'S GREATEST LAYERS

Champion 200 Egg Strain Imported Direct from England

S. C. WHITE LEGHORNS—BUFF ORPINGTONS—WHITE WYANDOTTES—S. C. R. I. REDS

Now in the lead in the National Egg-Laying Contest, at Storrs, Conn. **Now in the lead** in the North American International Egg-Laying Contest at Thorndale, Pa. Our entry of English Wyandottes has **defeated all English and American Birds** up to Feb. 1st in the present Missouri Egg-Laying Contest—one pullet (No. 181) has laid 53 eggs, leading the entire 1040 hens. **Winners** of 1st Prize and Cup, **1913 Missouri Contest,** ten hens laying 2073 eggs. **Winners** of 1st Prize and Cup, **1913 North American Contest,** five hens laying 1190 eggs, defeating over 500 of the leading utility breeders of America in open competition.

Most Profitable Poultry in America

We have a limited number of eggs for hatching from the

Winners of the Missouri Egg-Laying Contest, 1912-13

which made the marvelous record of 2073 eggs; seven hens laying over 200 eggs each—258, 246, 243, 226, 219, 219, 208 eggs respectively

We have imported more high grade English stock than all other American breeders combined—contest records prove that this is the greatest egg-laying strain ever produced. **We trapnest every layer** every day in the year.

Eggs for Hatching—Choice Cockerels—Baby Chicks

Write for **FREE CATALOG**—it contains valuable information that will increase your egg yield

Address Office, 2022 Pearl St., Lancaster, Pa.





THE PENNA. POULTRY FARM

Lancaster, Pa.

there is always more risk, more danger from disease, more danger of losses by thieves (furred, feathered or clothed), and greater liability for drones and non-producers to feed on undetected. With flocks where above 500 adults are running together it is not an easy matter to spot those that are "going by" and get rid of them before they become a loss. Up to 500 layers in one colony, the individuals of the flock can be sized up pretty comfortably and rapidly, but double or quadruple that number and it is a very difficult stunt to apprehend and cull out the undesirables. Personally, we wouldn't care for more than 500 in one flock for layers and we would limit the flocks to 150 or 100 or less birds in a colony for breeding purposes. Of all flock units we have ever tried, 100 to 150 breeding females, with 5 to 7 males, have given us the best results in fertility, hatchability and strong chicks.

* * *

Of small chicks in cold brooders we would not have flocks containing more than 50. In most heated brooders of the small individual type we would not want to put over 50 chicks, although there are some brooders that will accommodate from 75 to 100 chicks. We have not yet had sufficient experience with the large flock stove brooders, of the colony type, to feel sure as to the best size for flocks. Some growers appear successful with broods of 800 to 1,000 chicks with one stove brooder and some even brood chicks of different ages together. There is a big risk of loss attached to such methods. Experienced operators of both coal and oil heated colony stove brooders tell us that they prefer broods of 300 to 500 chicks and not over that number. Except in localities where cheap oil can be obtained the coal stove is the most economical to operate and is generally considered to be more safe as a fire insurance risk. For hot-water heated brooder houses 100 chicks is a good brood unit.

* * *

Deep litter feeding is a good thing for the dealer in ready-mixed foods, but is a poor and wasteful method of feeding either chicks or fowls. Much of the food is lost or spoiled in the deep litter. When cleaning time comes for the house or brooder and the litter is removed, it will be found to contain a large amount of wasted grain and especially cracked grain spoiled and unfit for food. If you are a doubter, try it and find out for yourself. We advise against deep litter feeding. It is a lot better to use a thin layer of litter and renew it often, or to use only a sanded or graveled floor.

* * *

Funny how folks differ in opinion. At Boston Show, where some new portable houses were shown, the crowds were about equally divided; some wouldn't have the building for a gift, they said, and others thought it the best thing they had seen and just what they wanted. It really was a very good type of house. Most of us are just about as radical in our likes and dislikes affecting poultry keeping methods and in our choice of a variety. It certainly is a good thing that everybody does not like and does not want the same thing. It would be disastrous if it were otherwise.

One man tells us that fowls hate dry mashes or dry ground grains. Another case of individual viewpoint. We haven't found it so. Some millstuffs, and particularly some different brands of the same millstuff, are less liked than others, but our fowls have always taken to dry mashes like children to candy. Let any of our birds get into the barn now and the first chance they get they pick a hole in a ground oats or a cornmeal or a mixed mash bag. There are always whole grains more convenient of access, but the ground stuff has the call. Likewise our young chicks are always very fond of dry mash mixtures, which we serve fresh ground. We have heard too of fowls that "hate" oats, but ours always eat oats freely and appear to like them. Of course we always feed good, fat, sound, heavy oats. We wouldn't blame any bird for not taking kindly to lightweight, inferior grade oats that are mostly all hull.

* * *

The following paragraph is from an article by Ralph G. Kirby in the Janu-

JACOBUS' GOLDEN and SILVER CAMPINES

ORIGINAL INTRODUCER, with Experience, Show Record and Reliability Established and Assured. Consider carefully and start right. For best results you should have my strain. **LATEST WINNINGS:** Am. Campine Club Show, Phila., Pa., Dec., 1913, 205 birds competing, I won 3 1sts, 2 2nds, 5 3rds, 1 4th, 3 5ths, 11 specials, including Silver Cup. **Mad. Sq. Gar.,** New York, Dec., 1913, 198 birds competing, I won 4 1sts, 1 2nd, 2 3rds, 1 4th, 2 5ths and 4 specials.

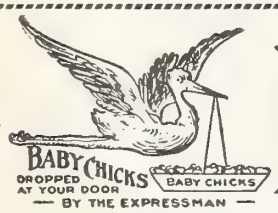
M. R. JACOBUS **Box 3-J** **RIDGEFIELD, NEW JERSEY**

LINE BRED STERLING STRAIN HEAVY LAYING

RHODE ISLAND REDS

Won at Illinois State Show: 1st ckl., champion male and color special, 1st young pen, 2d old pen, 3d hen. Champaign, annual meeting of Central Illinois S. C. Red Club, class of 340 Reds, won: 3d ckl., champion male and color special, 1st young pen, 5th hen, 3d and 4th pullet, color special on female, $10 in gold, champion male, sweepstakes cup on best pen, $10 cup, best display. At Peoria, 200 Reds in class: 1st ckl. in class of 53, 2d hen, 5th pullet, 1st young pen, $50 cup, best display. Mating list free, over 36 pens. EGGS, $2.00 per 15, $6 per 100 and up. CHICKS, $12.00 per 100 and up.

STERLING POULTRY FARM John Bressler, Prop., Harry B. Bressler, Mgr. **BOX A, STERLING, ILL.**



300,000 BETTER HATCHED CHICKS For 1914



It is not now a question of whether to buy chicks, but where to buy them—you want quality, vitality, quick and efficient service, with prices that are not unreasonable. We have hatched and delivered chicks for four years, beginning with a capacity of 8,000 eggs, until now we can accommodate 100,000 eggs at one time. We have not advertised extensively; our customers come back each season with increased orders. There is a reason—it's the "BETTER HATCHED" chicks that people demand; we use no coal or lamps for heating, our hot-water boilers are all heated with natural gas, assuring a uniform temperature; no prematurely hatched chicks, no delayed hatches, every chick hatched in pure air and out on time; they are the ones that can travel 2,000 miles, grow every mile of the way, arrive strong and healthy and continue to thrive.

The 10,000 pure bred hens that lay eggs for this plant are all on free range, healthy, strong and full of vigor. If you desire chicks from this kind of stock, with a strong guarantee behind them, in lots of 25 to 2,000, send for our free catalog, describing our plant and the following varieties of fowls:—**S. C. White Leghorns, S. C. Brown Leghorns, S. C. Buff Leghorns, Barred Rocks, White Rocks, S. C. and R. C. Reds, S. C. Black Minorcas, White Wyandottes, S. C. White Orpingtons, S. C. Buff Orpingtons.**

We quote wholesale prices in lots of 500 and over. We make a specialty of White Leghorns and Barred Rocks in thousand lots. Deliveries begin March 1st. A hatch each week.

The Co-Operative Breeding and Hatching Co., Box A, Tiro, Ohio

ary Writer's Magazine. That reference to "space filling 'bunk'," listens good:

"The man who writes good articles for the agricultural press must know what he is talking about and write facts gained by actually observing the farm operations. The agricultural journals appreciate and are willing to pay for the story that tells how some man has done something worth while. The story that has the true ring and is written strictly from the farmer's viewpoint is sure of a reception in the office of some of our agricultural journals. The day of space filling "bunk" is nearly over in the field of agricultural journalism and the man who cannot tell a big story in a few words should not try to pad out wonderful effusions for the edification of the American farmer."

* * *

Judging from the remarks of our friend and associate, H. H. Stoddard, in his article elsewhere in this issue, he isn't having very satisfactory results with dry mashes and dry bran feeding on his Texas poultry plant. Still, that need not result in a sweeping condemnation of feeding ground grain mixtures dry. Personally, with flocks varying from 50 to 5,000, during the past dozen or more years, we have used dry mash feeding for chicks and fowls with entirely satisfactory results. Thousands of poultrymen all over the country are successfully using dry ground grain and millstuff mixtures fed dry. If we did not believe in dry mashes and know from experience that properly used they give good results, we wouldn't recommend them. Mr. Stoddard is poultry keeping in Texas, and from his descriptions we should judge a rather dry section most of the time. That may, in part, account for his difficulty. Whatever the trouble, it is certain that there will always be controversy concerning dry vs. wet or moist mashes, and there will ever be advocates of both. When we sat down to write this we had only very recently returned from filling up dry bran and dry mash hoppers, which were empty, though we had filled them full two weeks ago, and with our flocks, we had figured on the supply lasting three weeks or a month. Fowls are certainly creatures of habit and maybe they adapt themselves to the notions of their keeper. We have tried a wide range of dry mash mixtures and plain bran and "mixed feed," a mixture of bran and middlings (shorts), or a mixture of "mixed feed" with beef scraps, and sometimes fish scraps, too. The latter combination feeds out best. For economy in feeding (because of greater volume of mash eaten) we have had fine results with a more elaborate dry mash, which our birds always take to like a child to candy; it is made as follows: Fine ground heavy oats, 100 pounds; corn meal, 100 pounds; gluten feed, 100 pounds; white shorts (best wheat middlings, or the lowest grade of flour, and on our market as white Canada shorts), 100 pounds; coarse bran (wheat), 100 pounds; best quality beef scraps, 100 pounds; best cut clover or cut alfalfa (full of leaf), 100 pounds; fine salt, about 5 pounds (unless the scraps are salty, when use half the quantity). When available, add from 25 to 50 pounds of best quality fish scraps specially prepared for poultry feeding. Where all grains and mashes are hopper fed we find the fowls will eat from 20 to 30 pounds of mash to every 60 pounds of whole grains.

* * *

Several years ago we ran an experiment of hopper feeding only whole grains and beef scraps in addition to green foods (no mashes of any sort) and carried it out for two years with the same lot of birds. During that two-year test the only grains used were whole yellow corn and whole heavy white oats (the sort that run 40 to 42 pounds to the struck bushel). The proportions of each grain consumed varied from about half-and-half in summer to one-third oats and two-thirds corn in winter. Beef scrap was before the birds all the time in an open hopper and of course they had gravel, shells, an abundance of greens and plenty of water. The test was made with White Wyandottes and we never had birds produce eggs any better, both as pullets and as yearlings, and such eggs as we tried proved fertile and hatched well. We worked into dry mashes again because we wanted to lessen the cost of production, and so far, we are disposed to believe that it helps a little. Then, too, we wanted to give the birds a rather wider choice of foods and, as we live to learn, we are constantly making tests of one sort or another. However, we haven't much patience with any plan that does not bring reasonably prompt results, for we can't keep hens unless they pay their way and show a fair profit. As staple feeding grains, we like best corn, oats and wheat.

SILVER CAMPINES

IMPROVED CHAMPION STRAIN

Bred from IMPORTED STOCK and CHICAGO WINNERS.

Can spare a few more young breeding birds. Several yards mated for Egg and Chick trade. Prices reasonable. Satisfaction guaranteed. Write for list.

ALICE RAWSON : BIG ROCK, ILLINOIS

Wilburtha POULTRY FARMS

Columbian Wyandottes
Columbian Plymouth Rocks
Partridge Plymouth Rocks
S. C. Buff & White Leghorns

Our recent winnings at The Palace and Madison Square Garden and other large poultry shows again emphasize the high quality of the Wilburtha Strains. Our 1914 matings are composed of healthy, vigorous prize-winners, bred for heavy egg production and utility qualities as well as for exhibition purposes.

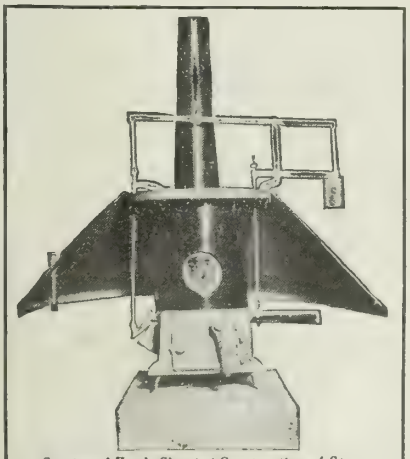
Eggs for Hatching—Baby Chicks—Breeding Stock

A limited number of eggs and day-old chicks will be sold from our prize matings. Book your order NOW for delivery any time before July 1st. Some choice breeders for sale at reasonable prices. Write for free descriptive circular and mating list.

WILBURTHA POULTRY FARMS Box J Trenton Junction, N. J.
C. J. FISK, Owner WM. D. CAMPBELL, Supt.

MacKay Colony Brooder

The last word in brooder construction, efficiency and economy



Section of Hood, Showing Construction of Stove

Absolute regulation of temperature. Equal distribution of heat. No foul air.

Coal consumption:— A scuttle in 24 hours.

DISTINCTIVE FEATURES:

Stove made entirely of cast iron, therefore long lasting.

Fed from on top through a hopper; no chance of coal clogging.

Only stove with top and bottom drafts, which, in conjunction with inside damper, are regulated unerringly by our special thermostat.

If you have brooder troubles or want to start your brooding with certainty of success, WRITE US

MACKAY COLONY BROODER CO.

Bonaparte Park Poultry Ranch Box 24, BORDENTOWN, N. J.

Madison Square Garden.

Editor American Poultry Journal.

Dear Sir:—Will you permit me to thank you for the complete and courteous manner in which you handled the reports of our twenty-fifth anniversary?

I am taking the liberty of trespassing upon your columns to straighten out some unfinished business.

First—Will all those who have not received their prize ribbons kindly communicate with me in order that they may receive these ribbons forthwith? I cannot tell who failed to get their ribbons in the last moments of the show unless I receive a communication from such exhibitors. Thus far we have sent out all the ribbons we knew had not been delivered.

Secondly—I believe that at our next exhibition the uncooping and the cooping arrangements of the show can be improved upon.

Not many errors were made, considering the size of the entry, but a few mistakes did occur, and we wish to eliminate all of these. In one particular case the male heading the Black Orpington pen of Mr. L. O. Kettering, of Pittsburgh, was evidently removed from the pen by some unauthorized person so that this pen had to be passed over in the judging, although the male was subsequently found and returned at the end of the show to the exhibitor in good condition. Mr. Delano, the judge of this variety, saw this male bird subsequently at Pittsburgh and stated to me that if the pen had been intact when he was judging the birds would have received third or better. We must apologize to Mr. Kettering for the occurrence which, however, we believe not to have been the fault of the management.

The attention of intending exhibitors at our show is called to the fact that they must not appropriate coops which do not belong to them. Several cases of this kind occurred, thus entailing considerable more work upon the part of the management in finding the owners of the birds wrongly placed and getting them to unlock the coops so that the proper specimens could be penned therein. There will be a rule on this subject at our next exhibition.

Thirdly—I do not handle the sale of marked catalogs, but all moneys received in payment therefor are turned over to Mr. Harry M. Stevens, of Madison Square Garden, the publisher. Will those persons, therefore, who have not yet received catalogs kindly communicate with Mr. Stevens to that effect?

Finally, I wish to heartily thank our very large list of exhibitors for their sportsmanlike spirit, courtesy and forbearance during the show and to assure them that it is my object and purpose to do everything in my power to make "America's Leading Show" as convenient, up to date and satisfactory in all departments as possible. Yours very truly,

Charles D. Cleveland, Secretary.

SILVER GOLDEN **CAMPINES**

Pinehurst Silvers won at Cleveland in fast company, First Cockerel, First and Third Pullet and Second Pen on five entries. Choice Cockerels for sale. Grand Pens mated for egg trade.

PINEHURST FARM, G. M. Smith, Prop., OBERLIN, OHIO



What Happened to Duston's White Wyandottes in 1913

Only this: They won in January at the National Club meet, 304 birds competing 2nd, 3rd and 4th cocks; 3rd hen, 1st, 2nd, 5th and 6th ckls., 2nd and 6th pullets, 2nd pen old and 2nd pen young. My young pen was way over anything shown, but the judge found a slight defect in ckls. wing and set the pen back. I won 1st collection or display, sweep stakes in the American class, whitest cockerel in the show, best shaped Wyandotte cockerel, best Wyandotte in the show, winning about $180.00 in cash prizes, and I was obliged to fit my birds the week I judged a big class at Boston.

Again, at Madison Square Dec. 1913, they won 1st ckl., 1st, 3rd and 4th pullets, 2nd and 3rd ckls., 4th and 5th hens, 5th pen. Silver cup for best 2 in each class and special for **best Wyandotte in the whole show, all varieties competing,** and to round out the show season

FIRST BOSTON COCKEREL

was hatched from a pen I sold. (Mr. Johule insisted I have the benefit of this) most people would be satisfied with such a showing for one year, but such letters as the following really give me more pleasure:

Dear Sir: Jan. 17, 1914, Wis.

It pleases me very much to advise you that the pair of White Wyandottes which you recently forwarded to me at ———, Wis., to be exhibited at the Wisconsin Poultry Association Show, exceeded my fondest expectations. I won 1st Ckl., 1st Pullet, best shaped male, and best colored female. The Ckl. was the best in the twelve most popular classes, thereby winning a gold band, etc. Yours very truly,

———— ————.

Now you want and need this kind of stock and service. I have left to sell elegant breeders in males and females and eggs ready to ship from the same quality. **The cream of the flock,** mating list free.

Eggs, $10.00 setting; two settings, $18.00; three settings, $25,00, and $50.00 in hundred lots.

Send 15c for handsome illustrated catalogue to the specialist.

ARTHUR G. DUSTON BOX 1020 SOUTH FRAMINGHAM, MASSACHUSETTS

BONNIE BROOK POULTRY FARM

S. C. White Leghorns White Plymouth Rocks
Win Highest Honors at Boston's Great Show, 1914

S. C. WHITE LEGHORNS

In a beauty class of highest merit with 134 birds competing against 14 prominent breeders our birds won a record of superior value, viz.: Cocks, 1, 6; hens, 5, 6; cockerel, 5; pullet, 4; pens, 3, 4; special for males and females and cup for best male.

WHITE PLYMOUTH ROCKS

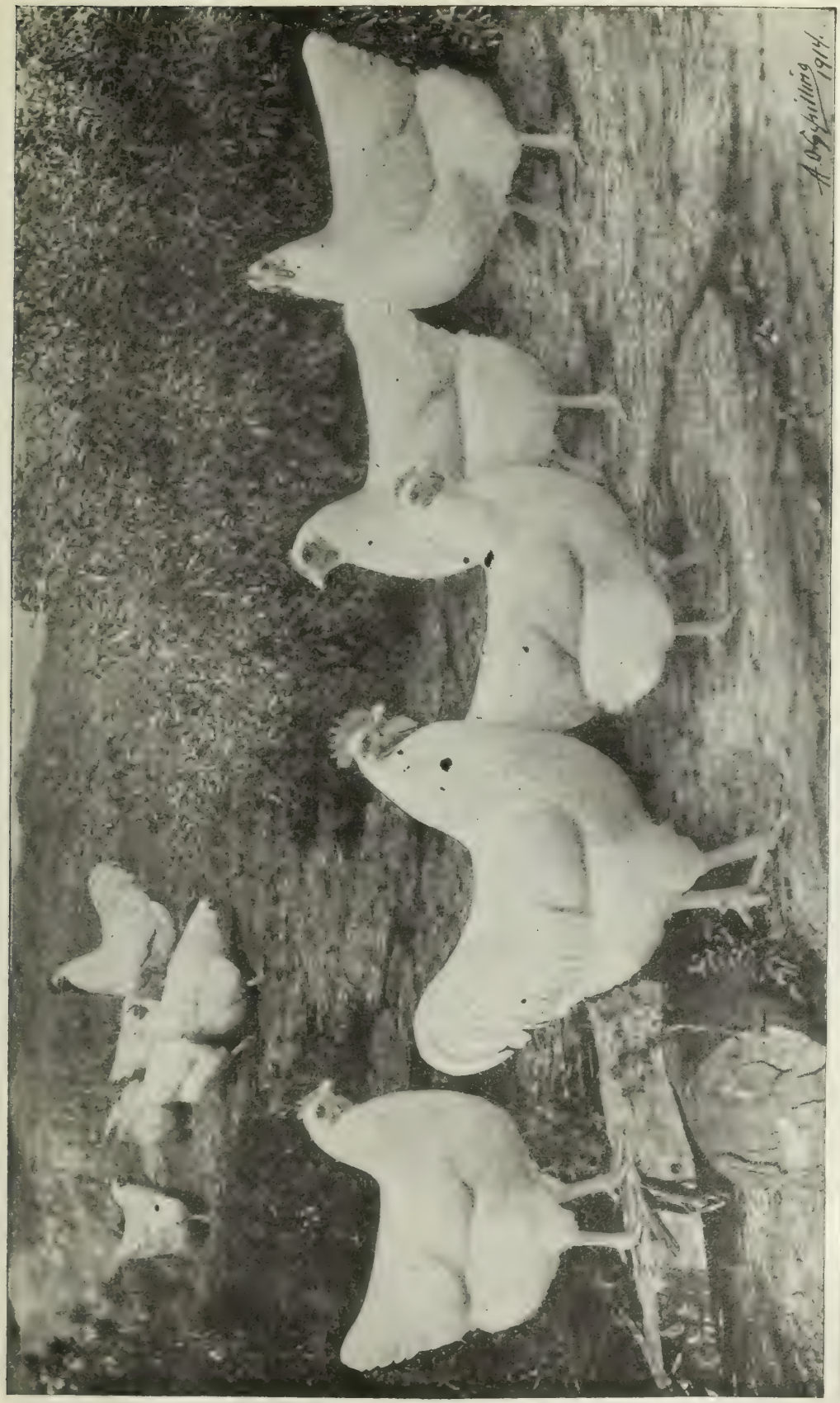
In a royal class of 180 birds, the largest class out this season, representing 27 breeders, we won: Cock, 1, 2; hen, 2, 5, 6; cockerel, 3; pullet, 2, 5; pen, 5; specials for best cock and 3 hens; best cockerel and 3 pullets; best display, and $100 championship cup for best White Plymouth Rock male. These records stand for

SUPERIOR QUALITY AND PRACTICAL WORTH

Stock For Sale Eggs For Hatching Baby Chicks

We are fully prepared to supply all wants in our lines with absolute assurance of satisfaction in birds, eggs and baby chicks. Write your wants, also for our large catalogue. **Special sale of Quality Leghorns now.**

BONNIE BROOK POULTRY FARM Mr. L. C. Bonfoey, Manager SARATOGA SPRINGS, NEW YORK



FIRST PRIZE PEN WHITE PLYMOUTH ROCKS PALACE SHOW NEW YORK DECEMBER 1913.
BRED AND OWNED BY RANGOGAS POULTRY FARM BROWNS MILLS N.J.

The High Cost of Living — How It May Be Reduced.

BY O. W. ALDRICH

THE main factor in the high cost of living at the present time is the increased cost of animal food. Vegetables, in their season, fruit, especially subtropical varieties, such as oranges, grape fruit, lemons, etc., sugar and breadstuffs are but little, if any, higher than in former years; these things have not advanced more than the price of labor during the past ten years. One great advance is in the cost of meats, eggs and poultry.

The cry of the newspapers, "Back to the land," will not result in a decrease in prices of these commodities; to buy or even rent land requires capital, and the city laborer who has not acquired a home has not the capital to buy or even to stock a farm. If he is a skillful mechanic, he can make more at his trade than by changing to agricultural labor, and one might as well expect to succeed at any trade without training as to succeed at farming without knowing anything about the business.

The cost of meat cannot be expected to decrease under present or prospective conditions; there are no longer vast areas of vacant lands for pasturage, and the remedies suggested by some wiseacres are too silly to receive much attention. One of them is to pass laws to forbid the killing of calves for veal and compel dairymen to raise all male calves to beef size. Such persons do not seem to know that no person in this business can raise a calf of the small breeds, such as Jerseys, to the age for beef for the price they would bring for beef; that the loss of milk, the cost of food and the labor would force nearly every dairy out of business. Then the removal of the tariff on wool, which may reduce the price of a suit of clothes a few cents may, and will in all probability, reduce the keeping of sheep, and result in the decrease of mutton, and it is not at all probable that the importation of meats from Australia and Argentina will reduce the prices here, as this will not be less than arises from the demand for meats from the natives of Europe, which must receive a great proportion of their supply from abroad.

If these things are true, and we believe no well informed person will deny them, how can the prices of animal food be reduced, or even be maintained at the present standard? Of course, if the people will adopt the vegetarian standard, or be willing to eat meat once or twice a week only, as the laboring classes in many of the foreign countries are compelled to do, the lessened demand might reduce the prices, but this change in the habits of the American people will only take place under absolute necessity.

Our only hope, therefore, of even maintaining present prices of animal food is in a very large increase of the poultry industry. Of course, it is known to all intelligent persons that it is now one of the most important of any of the agricultural productions, and that its destruction would be one of the greatest calamities that could befall the country.

That this increase is desirable is seen in the fact that the Country Gentleman is arranging to publish a series of articles to induce the farmers to engage more extensively in the poultry industry. This is very laudable, and it is to be hoped will have a beneficial effect.

There is, however, a class of people that should be induced to engage in this work which at present seems to have been overlooked. Of course we have all heard of the back-lotters in the cities, who have been led to expect to make five or six hundred dollars a year from ten or twelve fowls kept in a piano box or a dry goods box, but we do not see so much advertising of this way of becoming wealthy of late. But there is a large and increasing class of people, who might make a decided reduction in the cost of their own living, and live far better than they have been doing, at much less cost.

This class consists of the suburban and village people; suburban roads run out from almost every city in the land to villages so near the cities that many of the residents do business in the towns, and suburban additions are planted all along these railways. Nearly all the lots in the villages and suburban additions are large enough to have gardens, and also to enable the owners to engage in the rearing of poul-

U. R. FISHEL'S AD in this issue will interest you. Read it.



BEST BY TEST

THE GREEN SHEEN STRAIN

SILVER CAMPINES

"THE HEAVIEST LAYERS OF LARGE WHITE EGGS"



SILVER KING
FIRST COCK-CHICAGO.

SILVER PRINCESS
FIRST PULLET-CHICAGO.

SWEEPSTAKE CHAMPIONS

At the Great Coliseum Show, Chicago, 1913

We won more prizes than all competitors combined. Among 159 entries we won

Cockerels, 1st, 3rd, 4th; Cocks, 3rd, 5th; Pullets, 1st, 2nd, 5th;
Hens, 2nd, 3rd; Old Pens, 1st; Young Pens, 1st, 2nd.

SILVER KING Our great cock bird, established a world's record. Ten Cockerels and Pullets sired by him were awarded ribbons.

EGGS EGGS EGGS

I have mated eight star pens and I guarantee each to be headed by a Chicago 1913 Prize Winning Male. Mating list now ready. Place your order for hatching eggs early. Orders will be filled as received.

FRANK E. HERING
SOUTH BEND, IND.
FANCIER AND BREEDER

HARMON BRADSHAW, Mgr.

BEST BY TEST

THE GREEN SHEEN STRAIN

BEST BY TEST

try for their own use, and thus provide a supply of fresh eggs and meat for their own tables.

A poultry house large enough to keep enough fowls to supply the family, with the fencing of a grass plot to keep the birds, can be erected at a small expense, and with the trimmings from the vegetables, the scraps from the table, and a comparatively small outlay for feed, will not only supply the wants of the family, but frequently enable them to more than meet the whole expense from the surplus of their eggs and fowls.

By subscribing to one or two of the best poultry journals, even the novice can soon learn to properly care for the few fowls necessary to keep, and many of the leading breeders supply their customers with books, which, if studied and their advice followed, will almost certainly insure success.

In starting anew to raise a supply of poultry for the family, the beginner will, of course, be obliged to consider the variety to be purchased, and many will have already made up their minds, but there are certain things to be considered in this matter, which differs from that of the commercial farm, or even that of the ordinary farmer, or of the fancier or exhibition breeder.

The villager or suburban resident cannot let his birds have free range. He must, therefore, select a variety which will stand confinement in a limited space, without too much expense of fencing. He will want not only eggs, but want them at a time when they are scarce and high priced; he will not wish to pay 40 to 50 cents per dozen for himself and sell his surplus at 15 to 18 cents. He will want a bird that will grow quickly to broiler size, if he likes fried or boiled chicken, and which, if desired for boiling or roasting, will make, when grown, a meal for an ordinary family. If he and his wife are connoisseurs they will wish a fowl which, when roasted, will be sweet, tender and fine grained, one which they would not be ashamed to offer to any of their guests, who have to depend upon the market for their supply. The lady will want birds which are quiet and docile, and which she can pet and be proud to show to her friends from the city, and which, if she feels like it, she can exhibit at her local shows.

To fill all these demands the writer believes there is no variety of birds superior to the S. C. White Orpington.



Unretouched Photo First Prize White Orpington Pullet Chicago, 1913.

HARNLY'S QUALITY WHITE ORPINGTONS

AT LAST! From my own matings I have won the highest honors to be accorded in America. My **First Prize Chicago Pullet,** likewise my **First Prize** and **Second Prize Cockerels** and **First Prize Hen,** at the **Great Wisconsin State Fair, September, 1913,** were bred from my own matings and owned by me. Send for my list giving winnings at **Racine, Milwaukee, Springfield, Indianapolis** and **Wisconsin** and **Illinois State Fairs.**

Eggs from twenty high class matings $2 to $15 for fifteen Eggs, fertility guaranteed. Breeders and Baby Chicks,

MRS. JOHN H. HARNLY, 2301 North Elisha Ave. ZION CITY, ILLINOIS

Nicholson's Royal Blue Orpingtons and Barred Rocks

Blue Orpington Winnings, 1914, are as follows:

NEW YORK		BOSTON	CHICAGO, Dec., 1913
First Hen.	Best Display.	First, Second and Third Cock.	First Cock.
First and Fifth Pullet.	109 in competition, including	First and Second Cockerel.	First Cockerel.
Second Cockerel.	two large strains from England	First and Fifth Pullet.	First Hen.
Second and Fifth Cock.	brought over by Captain Max	Best Display.	First Pullet.
Second and Third Pen.	de Bathe and Wm. Cook & Co.	52 in competition.	Best Display.

BARRED ROCKS

Boston, 1914—First, Second and Sixth Cock. **Crystal Palace, London, England**—First and Second Cock, First and Second Cockerel, First, Second and Third Hen, Second Pullet, and International Medal.

BARRED ORPINGTONS

Boston—First Cockerel, First Pullet. **HALDIE NICHOLSON, Box 4, Leominster, Mass.**

The Golden Road to Success

ALDRICH CHICK GROWER, a Specific for Bowel Trouble, and BONE-A-TONE, a Bone-Producing, Health-Giving Tonic.

READ CAREFULLY THE EVIDENCE OF AMERICA'S MOST NOTED POULTRYMEN:

Hope, Indiana.

Gentlemen: I wish to state that Aldrich Chick Grower reached us in due time, and I must say it is **without doubt** the Greatest Remedy we ever used along this line, and we have been raising fancy poultry since 1883. It is a frame builder and a body vitalizer. We have never used anything that made chicks grow up so readily as your Chick Grower. I can truthfully recommend to all poultry raisers this **Great Remedy,** and I assure you as long as you manufacture it and it proves the good merit it has this season we will continue to purchase it of you and order more in a few days. I note what you say in regard to BONE-A-TONE. I would like very much for you to send me a quart. It is surely a good Tonic, as you have given size and fast growth to your stock.

Wishing you every success, we remain,
Very respectfully yours, J. C. FISHEL & SON.

Collegeville, Pa.

Dear Sirs: It gives me great pleasure to report that your CHICK GROWER and DIARRHEA REMEDY is one of the Greatest Remedies that the poultryman has ever been able to get hold of. It is surely a wonder. I cannot recommend it too highly. Wishing you every success, I beg to remain,
Yours truly, F. G. BEAN.

NOTE.—Judge Bean judged the pens and females in the White Orpington class last December at MADISON SQUARE GARDEN.

CORDOVA, ALA.

Aldrich Poultry Remedy Co.

Dear Sirs: I have given your WHITE DIARRHEA REMEDY a most thorough test. While I have lost **at least** 50 per cent of all chicks hatched during the last two years by **this scourge, I HAVE NOT LOST A SINGLE CHICK** since using your REMEDY. I DO NOT GUESS about it, for I know it to be both a cure and an ABSOLUTE PREVENTATIVE. To test it I would divide the hatch and feed exactly the same, but give one-half of chicks the Remedy in their drinking water and the other the plain water. **NOT A SYMPTOM** ever appeared in the flock given the Remedy, while in 3 or 4 days the others were all stuck up with white diarrhea. I would put them on the treatment and all chicks that were able to eat and drink QUICKLY RECOVERED, and not another chick became affected, although the sick and well chicks remained together.

I consider your cure **The Greatest Blessing** for the poultry interest of any discovery in 25 years.

Respectfully, POPE M. LONG.
Breeder of Silver and Partridge Wyandottes.

The above evidence is proof conclusive of the merits of THE NEW DISCOVERIES made by Messrs. Rawnsley and Aldrich.

PRICES: ALDRICH CHICK GROWER, $1.00 per quart jar, enough to raise 100 chicks beyond the danger point.
BONE-A-TONE, $2.00 per quart.

DON'T LOSE YOUR CHICKS when an ABSOLUTE REMEDY can be secured at a nominal cost

ALDRICH POULTRY REMEDY CO. :: 4045 North High Street :: COLUMBUS, OHIO

This bird can be kept in by a 4½-foot fence, can do with a limited grass plot, and is very docile and gentle; when it is used to a person it can be handled and taught to pose and likes to be petted. It is not claimed that it will lay a greater number of eggs in a year than some of the other popular varieties, but that no other breed will lay more at the time the prices are the highest.

By actual test it is found that young cockerels can be raised to the weight of 1½ pounds in six weeks and 2 pounds at 8 weeks if properly fed. A hen will weigh 6½ to 10 pounds, the standard weight being 8 pounds, and cockerels have been shown at the shows this winter at 10 months' old weighing 11 pounds, although the standard is 8½, and the standard weight of the cock is 10 pounds.

We read of the capons, and know the prices charged in the eastern cities for the celebrated soft rooster. It is not necessary to caponize a single comb White Orpington in order to obtain either size or quality, if he is fed as capons are fed. A cockerel weighing 10 pounds at 9 months of age is as large as any fine grained capon, and the person once tasting the flesh of such a cockerel, will never ask for a capon if he can get a bird of this class. The man, or his wife, or children, will never be ashamed to let their city friends see his flock of single combed White Orpingtons if they have received proper attention and care, for there is no more beautiful variety known—pure white, with their red combs and wattles against the background of green—they are the joy and pride of their owners. The birds of true type of this variety are unsurpassed for symmetry, and this is especially true of the lordly cock.

Let anyone look through the columns of the poultry journals and compare the plates and cuts of the various classes, and we believe that a person of any artistic taste will readily admit that the White Orpington male bird has no superior, if he has a peer, in any other variety.

If the editor thinks it worth while, the writer will be glad to give some of the particulars in regard to the buildings, yards, selection of birds, and their care, for the benefit of those with but little experience.

———o———

Roy V. Otto, of Middleton, Mich., poultry expert and judge, has been engaged by Dr. George Reycraft to take charge of the latter's big poultry farm near Petoskey, Mich.

SMITH'S
Single Comb
Buff Leghorns

The largest **exclusive** breeder of buffs in the world.
I have no other breeds and had the grandest winter layers and winners at thirteen of the big shows. EGGS and DAY OLD CHICKS by the thousands. Send ten cents for catalogue and find out how to raise 150 pullets to the age of six months for 15⅓ cents each.

If you want GRAND LAYERS or SHOW BIRDS, write me your wants

F. S. SMITH, Box C and D, Hamilton, Ohio

Scranton's Single Comb Reds

No strain of Reds have won more consistently year after year in all the big shows than the birds **bred by me.** Always at the **top** in Chicago, Cincinnati, St. Louis, Kansas City, Indianapolis, Hagerstown, Louisville, etc.

Our line of male birds is unexcelled. In the recent Chicago show our males won more points than **all competitors combined,** which record they have held every time exhibited at this show. **There are no better Reds bred.**

Send for my catalog of matings for full particulars,—it is free. A few good breeding cockerels yet for sale.

B. H. SCRANTON **BOX 350** **RISING SUN, INDIANA**

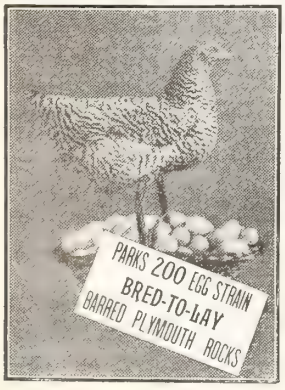
KAUP, QUALITY BUFF ORPINGTONS

Just Made the Greatest Win at Chicago Show, 1914, Ever Made by a Buff Orpington Breeder at Any Time in a Chicago Show, to the Best of My Knowledge and Belief.

First, third and fourth cocks; first and fifth hens; second, third and fourth cockerel; first, second, fourth and fifth pullet; first old pen; first, second and fourth young pens. Silver cup best display. *Five times as many firsts as all other exhibitors combined. Three and one-half times as many points as next highest competitor. Twice as many prizes as all other exhibitors combined.* Does the above unqualified caption mean anything to you? Send for 36-page fully illustrated Buff Orpington Guide Book, the catalog of the champions; tells all about the famous trapnested winning Buff Orpingtons and tells why

I Haven't a Dissatisfied Customer in the Whole World

F. A. KAUP BUFF ORPINGTON FARM **Box K-1** **GLEN ELLYN, ILLS.**



1889 The Twenty-Fifth Anniversary of the Parks' 1914
Strain of Bred-to-Lay Barred Plymouth Rocks

A record we are proud of. Not alone to the number of years "that in reality makes this the oldest Laying Strain of to-day" but to the success that has crowned our effort. Not only in our hands but with our customers, as last month's ad proved. These World's records were the result of all these years of careful selection, trap-nesting, pedigreeing, and scientific matings. We point with pride to our Jan., 1914, show winnings in five states. Not that we claim a show bird strain, but that our **bred-to-lay strain** is good enough for ordinary competition.

SELECTED INCUBATOR EGGS **$5-15, $8-30, $11-50, $20-100.** **$2-13, $6-45, $12-100.** **Place Your Orders Early**

Eggs scientifically packed, "not boxed," arrive in hatchable condition. Chick Circular Free. Large new 40-page catalog, a dime.

J. W. PARKS **Box W** **ALTOONA, PENNSYLVANIA**

Who's Who In Hendom.

BY AMOS BURHANS

AND now the Panama-Pacific Exposition is going to eclipse all poultry show efforts and show us just what a real poultry show is and how to handle it!

That's fine!

I'm for it, you're for it, and everybody is for it! So who can be against it?

"No one at all," answers Reason, after having driven Sectionalism from her bed.

And then, after the officials of the live stock department said unto themselves in conclave privy, "We will hold a great poultry exhibition," they set about to beat the bush, looking for whom they might depend on to unite all fanciers in the undertaking with them.

But they have to beat no further! From out the higher atmosphere there circled a halo, which halo fluttering above the heads of first this one and then that, finally settled upon the poll of one Californian beloved of all henists, a chickenish gentleman known from the wilds of Tibet to the plains of Petaluma and even beyond. And

ROSE'S ORPINGTONS

BUFFS and BLACKS



First Prize Pen at Madison Square Garden. The finest Buff Orpington Pen ever shown.

"LIKE BEGETS LIKE."

My Buffs have the correct color, the color that you must have to win. If your birds lack type, color, bone, introduce my stock. Neither in England, the home of the Orpington, nor in America, can you obtain such quality and value in Buffs or Black Orpingtons as I offer you. Rose's Orpingtons, Buffs and Blacks are bred to win in the strongest competition.

The most wonderful record of the year—backed by stamina and blood lines that will **produce.**

During the 1913-14 show season, at America's two leading shows, **Madison Square Garden** and **Chicago Coliseum**—in the best classes of the breed and in competition with nearly every prominent breeder, **my Buff Orpingtons won more first prizes than all competitors combined.** Consider the following winnings and decide for yourself who has **the best Buff Orpingtons:**

MADISON SQUARE GARDEN

Dec. 26-31, 1913.

1st pen, 5 cock, 3 hen, 1-5 cockerel, 1-4 pullet.

CHICAGO COLISEUM

Dec. 12-17, 1913.

1-2-5 cock, 3 hen, 1-5 cockerel, 1-2 pullet, 3 pen.

This remarkable record, including 6 of 11 first prizes awarded, establishes beyond all doubt the superiority of Rose's Orpingtons.

A Black Orpington Record That Stands for Something—That Means Something to You

During the past three years my Black Orpingtons have won the Championship at Madison Square Garden, Boston, Baltimore, Pittsburgh, Toronto, Hagerstown, Allentown and New York State Fair. This is the most remarkable record established by any breeder of any variety. In this series of triumphs ten different judges have placed the seal of approval by awarding them highest honors.

During 1913 Rose's Black Orpingtons won 27 firsts of a possible 33 firsts at six shows of national reputation, viz.: Boston, Allentown, Hagerstown, New York State Fair, Toronto and Chicago. Five times out of six at these shows they won the Championship for Best Display.

1913-14 Black Orpington Club Show, Pittsburgh, January, 1914

They won as follows: 1-2-4-7-8 cocks; 1-3-4-8 cockerels; 1-2-4-6 hens; 1-3-4-5-8 pullets; 2 old pen; 1st young pen.

BRED IN THE RIGOROUS CANADIAN CLIMATE.

They are hardy, rapid growers and splendid winter layers, characteristics you need to make your Orpingtons suit you to a "T." I can furnish a number of high class breeding males, also pairs, trios and breeding pens that will be carefully mated to produce the best results at "live and let live" prices. Send your wants and let me furnish description and quote prices.

Send for handsome new catalog and mating list containing illustrations of my prize winners, including full page color plate of my first prize cockerel at Madison Square Garden, in natural colors. It is free for the asking.

MY EGGS ARE THE BEST MONEY CAN BUY.

I wish every reader of this Journal could visit my farm and inspect my matings for 1914. Prominent breeders and judges who have seen them declare them unequalled. Every pen is headed by a prize winner or a near relation. If you desire eggs that will produce winners at next season's shows you cannot afford to overlook this opportunity. Better values do not exist anywhere.

HUGH A. ROSE

FONTHILL, ONTARIO, CANADA

that halo did not totter about on the head of this gent from the land of the Big White Egg. It simply ruffled its feathers, as it were, like the broody Brahma, shuffled the eggs under itself, and set down for keeps to hatch out ideas that would make this coming 1915 congress of poultrydom at Frisco one Great Cackle, otherwise known as Success.

And that is how Lyman C. Byce, human dynamo, poultryman, manufacturer and gentleman who wants the White Leghorn placed upon the dollar instead of the American eagle, comes by the honor of being settled upon by the halo of public opinion as being the best man to guide the destinies of the World's Greatest Poultry Show and Exposition at San Francisco in the year 1915.

Mr. P. Opinion is right, as he always is.

He knows just who measures up to the mark of carrying this thing to a generous success and by the rule of allowing power to flow to the man who knows and genius to the man who does things, he has hit the bull's-eye in electing Byce, L. C., to the post.

I am not going to wander off into a state of hypnotism and tell you where L. C. was born, of what parentage, and all that rigamarole. It sufficeth to say that in his never-yet-penned biography there will be that truly trenchant line about his being from earliest childhood a lover of pure bred fowls and a breeder of them. Miller Purvis has been elected to write this and as soon as it makes its debut (pronounced deebyou) I will communicate with you, fairest Petaluma. Byce doesn't need it. He can get along without it. He wouldn't have it served to him on a silver salver, despite the very fact that it is true, literally and figuratively.

What particularly interests us is that Lyman C. Byce has been the mainstay, the mast and the sail of the Fancy on the Coast since the whangdoodle mourned for its firstborn. Who but he could have proven to any hen-minded chicken that she was wasting her time trying to incubate when Byce was around with a Petaluma? Answer me that!

Isn't he the daddy of a dozen million chickens out there on the Coast, and are there not thousands and tens of thousands of them coining eggs from wheat and alfalfa—eggs that sell on the Frisco market for dimes, dollars and doughnuts? Answer me that!

Has he ever refused to do what he could for the good of the industry, for the good of those who have their faith and fortunes wrapped up in it, for the wonderful business it represents? Answer me that!

Those of us here in the great corn and alfalfa belt of the middle west little know the wonderful Fancy and Practical Poultry Business that has been built up across the desert and beyond the Rockies, in that glorious Coastland where lies the wonderful Valley of the Moon. We forget what a steady stream of wealth it has poured into the laps of those breeders of the East who have tried to help them breed better birds since the Fancy out there was in its infancy. And those of us

HOBBS' BUFF MINORCAS

THE NEW CREATION AND COMING BREED

Look out for the boom. Investigate them today. Photos and catalog free. Stock, Eggs and Baby Chicks.

Also Buff Orpington Ducks

O. K. HOBBS, -:- HICKORY GROVE, KY.

LONGFIELD R.C. REDS

AT THE GREAT CHICAGO COLISEUM SHOW, DECEMBER, 1913

Won 1 Cock; 1, 3 Hen; 1 Old Pen; 3 Young Pen; 5 Pullet; Gold Watch for best display; $10 cash for best mated pen; also shape and color specials on First Hen. In addition to our winnings, W. L. McMillen, who breeds our strain in its purity, won 1 Pullet; 2 Hen and 3 Cock. **Longfield Reds will win for you.** In the past 3 years at this great show we have won 8 firsts (4 times as many as any competitor). AT DETROIT, January, 1914, won 75 points for display, nearest competitor 24. Our illustrated mating list tells the story. Write for it.

LONGFIELD POULTRY FARM -:- BOX 321 -:- BLUFFTON, INDIANA

EGGS! EGGS! EGGS!

FROM

NIXON'S WHITE WYANDOTTES

21 years mating, breeding, winning and judging. Does this experience mean anything to you?

Be serious. My 1914 mating list for the asking.

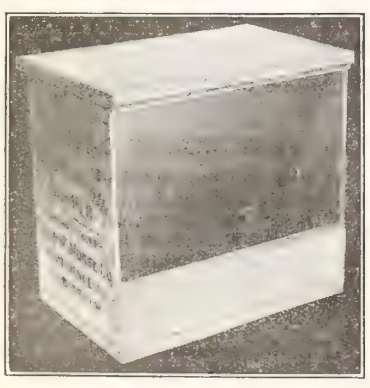
Prime Breeders for sale.

CHAS. NIXON Box 202 WASHINGTON, N. J.

PARSONS WHITE ORPINGTONS

In two years we have won two 1st, one 3rd, four 4ths, one 5th on cocks; 1st, 2nd, 3rd, 4th, 5th hens; two 1st, two 2nd, one 3rd and 5th on cockerels; 1st, 2nd, 4th and 5th pullets; 1st and 4th pens; best display; best local cockerel; four silver cups and two specials against imported S. C. White Orpingtons at Cleveland Fanciers, Breeders and Toledo Shows. Thirty-five winners of forty entered. *Every bird in our pens a prize winner or from prize winners.* Book egg orders early, as only a limited number will be sold. Baby chix.

Parsons Poultry Plant -:- Box 41 -:- Avon Lake, Ohio



DRY MASH HOPPER

"Give the laying hen a chance" by installing the

Gillette Poultry Hoppers

The Gillette Automatic Hopper is ball bearing, the wood bait bar eliminates all danger of broken beaks. Baby chicks use the Gillette when three days old. You secure positive regulation and agitation in the Gillette Automatic Hopper. The Gillette Dry Mash Hopper fills from the top and is made in several sizes. It is the hanging type of hopper that feeds from two sides. The Gillette method of agitation brings down the grain as the birds eat it. The main supply is always clean as well as the small portion exposed to the birds. Waste and clogging are positively eliminated.

The Gillette Hoppers are delivered anywhere east of the Mississippi River in the United States. Proper allowance made for those west of the River.

THE GILLETTE AUTOMATIC HARD-GRAIN HOPPER

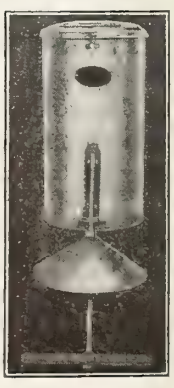
16-qt. size .....$2.50 32-qt. size 3.50

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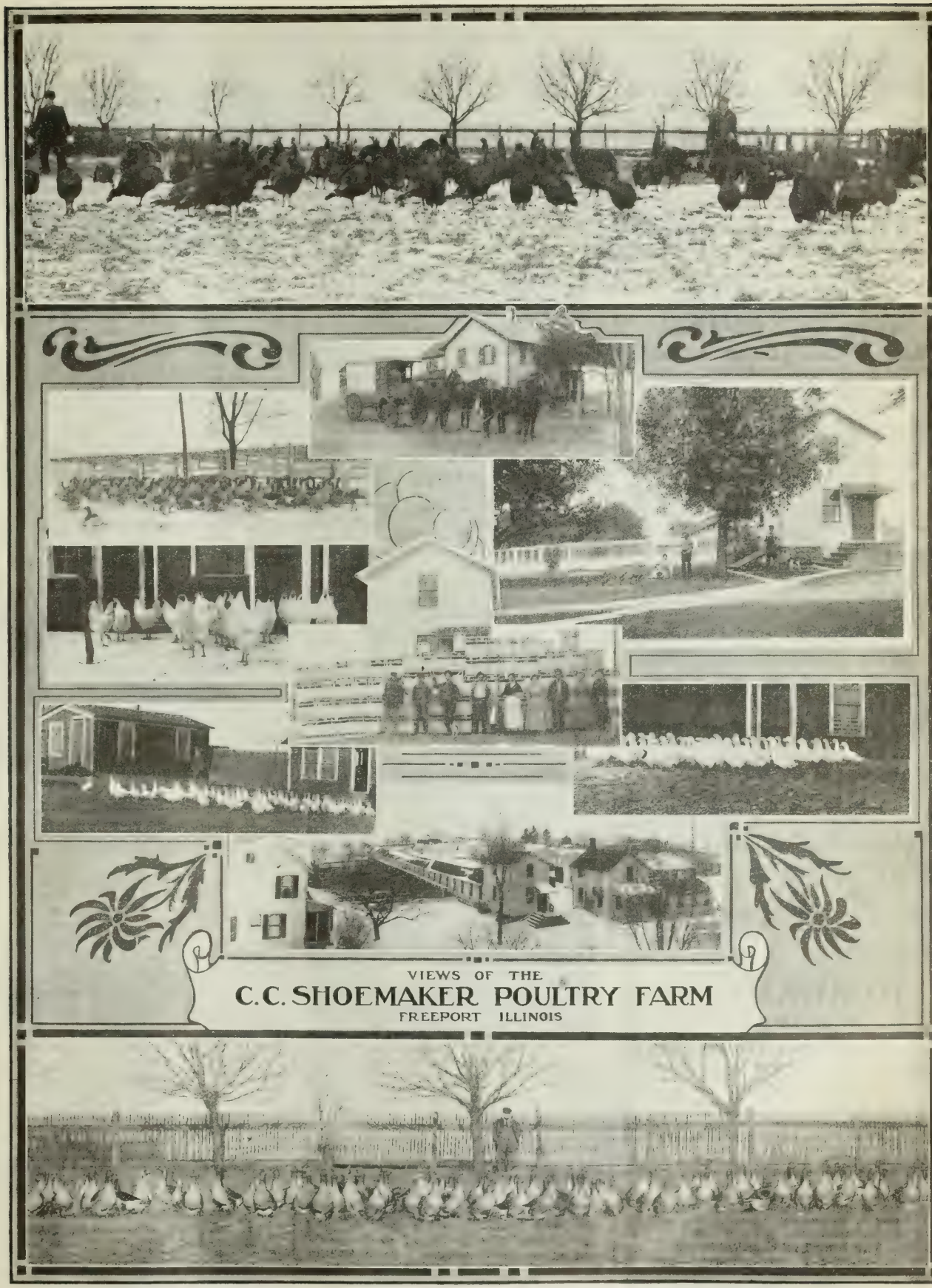
No. 00 Single 12-qt.....$1.00 No. 1 Double 16-qt..... 1.50
No. 01 Single 24-qt..... 1.75 No. 2 Double 24-qt..... 2.00
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We guarantee satisfaction or refund you your money.
When writing for descriptive circulars please mention American Poultry Journal.

FRED W. MORSE CO., Mfrs. Providence, R. I.



AUTOMATIC FEEDER



VIEWS OF THE

C. C. SHOEMAKER POULTRY FARM

FREEPORT ILLINOIS



PFILE'S 65 Varieties

LAND and Water Fowls. Farm-raised stock, with eggs in season. Send 2c for my valuable illustrated descriptive **Poultry Book** for 1913. Write **Henry Pfile, Box** 600 **Freeport, Ill.**

Ideal Aluminum



LEG BANDS for POULTRY and PIGEONS are the acknowledged leaders. Firmest and most secure lock. GUARANTEED to **stay on.** Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c; 175-$1.00; 200-$1.10; 500-$2.50. Price list and sample 2c.

Frank Myers, Mfgr., Box 40, Freeport, Ill.

SAVE YOUR CHICKS

Townsend's New-Life 50 Cents By Mail

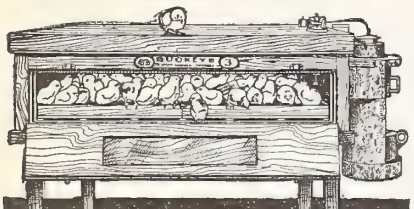
CURES WHITE DIARRHOEA

Townsend Remedy Co., Sta. A., Omaha

S.C. Orpingtons Buff-Black-White Wm H. Moore Chadds Ford Pa

EGGS 10¢ EACH

Cochin Bantams Black and Buff Mrs Wm H Moore Chadds Ford Pa



Anybody Can Hatch Chickens With a "BUCKEYE"

That statement means exactly what it says. It makes no difference what kind of incubator you have used before, nor whether you have ever used any at all. When you buy a **"BUCKEYE,"** you get absolutely the best there is in incubators. It will give you successful hatches every time. We are so sure about it that every machine we sell, no matter what the size or price, is absolutely

GUARANTEED

By your dealer and by us

To Hatch Every Hatchable Egg

Neither your dealer nor we would make such a sweeping guarantee if we did not know that the **"BUCKEYE"** will do all we claim. Made in five sizes—60-egg to 350-egg capacity. Over 525,000 in successful operation.

We want you to see the **"BUCKEYE"** before you buy. Let us send you the name of our nearest dealer where you can see the machine in operation. We will also send you our catalog, which tells why more than 1,000 dealers prefer to sell the **"BUCKEYE."** We are glad to answer any questions—we want to hear from you. Write us today.

THE BUCKEYE INCUBATOR CO.,
501 Euclid Ave., SPRINGFIELD, OHIO.

Made in 5 sizes and Sold As Low As $10.00

who have been in the mart with our appliances for the cultivation of the chick and the hen have also reaped of the gold sent from yon side the Big Mountings.

Wherefore it behooves us to support this pillar of the Coastal Fancy for the position of Superintendent of Poultry at the Panama-Pacific by making our wants known to the Live Stock Department of that exposition. Let's all get behind and push! Let's all lend a hand and a stamp and a pen to put this man, who can make the world of hendom appreciate his efforts as superintendent, right in the saddle where he can guide it to a brilliant and successful completion.

We can do it!

Man the guns!!

Leave the rest of it to Lyman C. Byce, of Petaluma, California.

Success With Severe Test of Woods' House.

Editor American Poultry Journal:

I thought you might like to know the experience I have had in this cold country (Vermont) with the Woods' open-front poultry house. I built one of these houses soon after Dr. Woods first published the plans. I lacked space at that time and so made my house 6 feet wide by 12 feet deep. I have kept about twenty birds in it ever since and have never had a case of roup or any other kind of sickness in this fresh air flock, but I have had plenty of troubles with my birds in two old-style closed houses with high fronts. Have had no trouble at all in the open-front house, but have averaged to lose four or five birds a year from the closed houses.

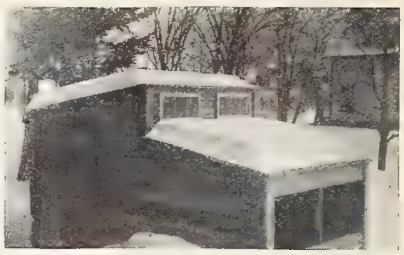
Two years ago we had winter weather when the mercury dropped to 38 degrees below zero (F.), and this year has been down to 35 degrees below, and was 25 degrees below zero yesterday



South front view of Woods' open-air poultry house, 6x12 ft. Built by B. L. Billings, Springfield, Vt. House is built of novelty siding, lined with heavy building paper and is roofed with Neponset roofing. Photo taken before snow came.

morning (January 23, 1914), and today it is raining; so you see it is quite a stunt to take care of 130 degrees variation in temperature in so short a time.

The Woods' house proved such a success that I built another last fall, and am sending you photos of same before and after snow came. I have twenty R. I. Red pullets in this house and am getting better than a 50 per cent egg yield this winter. I have not tried these open-front houses on an extensive scale, but I think you will agree with me that I have given them a pretty severe and thorough trial. I have been very successful and I do not see how anyone can keep hens in a cold country and do without open-front houses. This last house cost me less than $25 com-

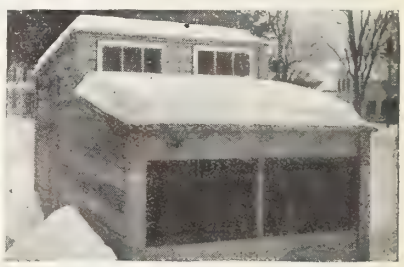


Side view of 6x12 Woods' open-air poultry house used by B. L. Billings, Springfield, Vt. Last January made a record for severe winter weather and sudden weather changes. Within two days this house had to take care of a temperature change of 130 degrees. One day the temperature ranged from 25 to 35 degrees below zero and the next day it was raining and mild. There were 20 R. I. Red pullets in this house, comfortable all the time and averaging better than ten eggs a day.

plete, including labor. It is built of novelty siding lined with heavy building paper and roofed with Neponset roofing. It has no windows except those shown in the half-monitor top.

Springfield, Vt. B. L. Billings.

(Note.—The Woods' open-front, open-air house is fully described with building instructions, plans and photographs,



Front view of 6x12 Woods' open-air poultry house in mid-winter as used by B. L. Billings, Springfield, Vt. Front is always open and fowls were always healthy and comfortable, even at 35 degrees below zero.

in the attractive cloth-bound book entitled "Open-Air Poultry Houses for All Climates." This book may be ordered of our Book Department, Chicago office, and will be sent postpaid for 75 cents.—Publishers A. P. J.)

5 PACKETS FLOWER SEED FREE TO YOU

One packet each of CARNATIONS, ASTERS, POPPY, PANSY, CHRYSANTHEMUM. These five packets of flower seeds will produce the choicest of these flowers.

There are enough to keep you supplied with flowers all the season. Your name on a postal brings them **Free, Postpaid,**—also our new **Colored Catalog** of fruits, flower, vegetable and field seeds all **FREE.** Send your postal **NOW!**

MILLS SEED COMPANY
Box 300. Washington, Iowa

Don't Feed Wet Mash



Green Food, Sprouted Oats, Green Cut-Bone, Table Scraps, etc., without investigating the **Parker Universal Feeder**

Greatest advance in feeding devices made in years. Sanitary, Economical, Efficient. Write for illustrated matter. Mf'd by

W. T. PARKER MFG. CO.
17 W. Washington St. SPRINGFIELD, OHIO



March—The hatching season is open.

* * *

Look over your matings again for possible improvement.

* * *

Breed from the best, and breed all you can. Poultry prospects never were better.

* * *

The breeders report with confidence for the future, and, better still, they are well prepared for all that comes.

* * *

The chance for success is up to you, if you will but try; so try and keep on trying. Reach for success, for it is not very liable to drop without a pull from you.

* * *

Aim this year to improve your stock. Do it now; time is worth more than money and just one good bird is worth the cost of several settings of eggs.

* * *

Poultry mustard stimulates layers and improves fertility. We feed it regularly with satisfactory results.

* * *

Rooster—What's troubling you, my dear?

Hen—I've mislaid an egg.

* * *

A Tarrytown, N. Y., man with a hen in a basket found himself broke after boarding a car at White Plains, N. Y. Then the hen cackled and the conductor took the egg for the car fare. Bet she was a Plymouth Rock.

* * *

Vote to put exhibitors' names on all coops before judging, thereby to place the poultry industry on the highest plane above suspicion. Have confidence in your judges, for if unworthy you will find them out quickly this way.

* * *

Atherton still insists the wind took his hat that Tuesday morning. Cruel wind! He needed a new one, anyway.

One step won't take you far; you've got to keep on walking. One word won't tell the folks who you are—you've got to keep on talking (advertise).

* * *

Chicago, Detroit and Indianapolis are after the A. P. A. meeting. It is a mid-west season and the lake breezes of Chicago look very good to us.

* * *

We have heard of no opposition to the re-election of President E. B. Thompson, which he deserves in order to carry out his plans for an improved association and to secure the adoption of the measure he has proposed.

* * *

Be happy—real happiness is found by passing a little happiness 'round.

* *

Mr. Charles D. Cleveland has proven a good mixer by attending the leading shows and meeting thousands of people anxious to know him. Look out for the

NORWICH AUTOMATIC EXERCISERS AND FEEDERS

Are guaranteed rat, rain and sparrow-proof. They will reduce your feed bills 25 per cent; your labor to practically nothing; they will improve the condition of your flock and thus increase the egg production. They will pay for themselves in ninety days in feed alone. Send today for free booklet explaining our thirty days' trial offer. They are for sale by live dealers everywhere, or we will ship direct from Toledo, Ohio. Write now to

River Home Poultry Yards, Breeders Exhibition Quality Light Brahmas, 820 Monroe St., Toledo, O.

WOOLERY FARM WHITE ORPINGTONS

EGGS—From Chicago, Indianapolis, Cincinnati, Columbus, Ga., Indiana and Illinois State Fair winners.

Our New Catalog, giving descriptions of our farm and stock, is complete. Drop us a card for yours today. It's free.

RALPH WOOLERY, Manager : BOX A : BLOOMINGTON, INDIANA

Madison Square Garden, Dec., 1913, 1-3 Pens; 1-2-4 Cocks; 2 Hen; 1-3-4 Cockerels; 1-4-5 Pullets. **Grand Display Champions** **Boston, Mass.,** January, 1913. 1 Pen; 1-2 Cocks; 1-3 Hens; 1-2 Cockerels; 2-3 Pullets.

Woodcrest Partridge Wyandottes

Have won every male first prize for two successive seasons under seven of the best known judges in the world. Think this over and tell me—do you want the blood thus proven supreme in breeding birds and eggs for hatching?

CHAS. H. WOOD Mutual Building Worcester, Massachusetts

Fairfield White Rocks to the Front

At the Great Baltimore, Md. Show, January, 1914

In competition with the best North and South I won **Special for Best Display. Color Male and Female Specials,** also **Cock 1, Hen 1-5, Cockerels 2-5, Pullets** 2-3, Exhibition **Pen 1.** I also won **Gold Special** for 2 best males and 4 females. This is one of the best classes ever shown. **At the Great Allentown, Pa. Fair,** Sept. 1913, I won Cock 1, Hen 5, Cockerel 1-4, Pullet 2, Pen 2. **At Bridgeton, N. J.,** Cock 1-2-4, Hen 1-2-3, Cockerel 1-2-3, Pullet 1-2-3, Pen 1. Best Display in American Class, Special for best female in Show, Etc. These records prove dependable quality.

Stock for Sale—Eggs from Selected Matings

Write me your wants. I have the quality to please at right price. Mated Pens a Specialty, absolute satisfaction assured. Cir. free.

FAIRFIELD POULTRY FARM H. W. Schnitzer, Prop. FAIRTON, NEW JERSEY

next M. S. Garden New York Show. It will be the greatest ever.

* * *

"Rastus, what's an alibi?"

"Dat's proven dat yoh was at a prayer meetin' whar yoh wasn't in order to show dat yoh wasn't at de crap game whar yoh was."

* * *

Advertising does not jerk—it pulls. The pull, though gentle at first, is steady and increases day by day and year by year until it exerts an irresistible power.

* * *

This has been the season for the old favorite breeds coming back. The Houdans, Langshans, Brahmas, Dark Cornish, Dorkings, Andalusians and others have taken new life in fact, and we hope the breeders will all properly organize and stick and put all possible vim in their work.

Houdans, a first-class, practical variety, strong and hardy, grand layers, quick to mature, and early to lay, with a fine quality of meat, handsome and attractive, the shows this year have been full of them.

* * *

Dark Cornish, the finest quality of meat, good layers, sturdy and strong growers. Noted particularly for their plump carcasses and full, rounded breasts. A grand general purpose breed and a money maker, very attractive in appearance.

* * *

Brahmas, Langshans and Dorkings, all desirable, with practical qualities, extra size, fast growing and dependable layers. Brahmas and Langshans among the winter layers.

* * *

The Baltimore banquet was a homemade joyous affair, where Messrs. Riggs, Brown, Cleveland, Armstrong and others were heard to advantage. Professor Albers furnished music, and the Dutch (?) quartet, consisting of Kreiner, Bowman, Cook and Swanica, rendered several songs with effect.

* * *

The nightingale our ears would win,
The lark sings in the glen;
But there's more music these days in
The cackle of the hen.

* * *

Poultry associations should adopt the plan of having practical displays shown for the education of beginners. Egg records have a particular interest for us all, especially when eggs sell for from 40 cents per dozen upwards year round. Such displays show money in poultry.

* * *

At Baltimore the display of R. J. Walden's pen of Barred Rocks that won the egg-laying contest at Storrs, Conn., for two years by leading all pens

GOLDEN SILVER CAMPINES FAVEROLLES WHITE BUFF

All blood from the best breeders in the world. We have stock for sale (excepting Buff Favorolles). Will sell a few settings of Buff Favorolle eggs at $15 per 15. To introduce our Campines and White Favorolles we shall sell eggs at a very low price. Our matings are small and few, but of highest quality. Eggs, $5 per 15 (no discount). We guarantee 10 chicks to a setting. We are ready now to ship eggs to our Southern customers.

AUG. D. ARNOLD — BOX 777 — DILLSBURG, PENNSYLVANIA



ROSE AND SINGLE COMB REDS

We have won more prizes in the last three years, in the largest shows of the country, than any other exhibitor. This is not hot air but facts and is easily proven. We are in a position to furnish stock for any show, large or small and are offering some bargains for quick sales. If you want to improve your flocks, our blood lines will do it. If you want to win, we can help you. Our beautiful catalog of 64 pages, printed in three colors, contains many articles on raising and caring for poultry. It will be sent for 20 cents in cash or stamps. We are the largest breeders of Rhode Island Reds in the world, and if you are in need of anything, come to headquarters.

BUSCHMANN-PIERCE RED FARMS - - INDIANAPOLIS, INDIANA

OFFICE: 839 State Life Bldg., Indianapolis, Ind. FARMS: Carmel, Ind

American Poultry Association

The poultry industry of this country amounts in the aggregate to one billion dollars per annum. These figures paralize the imagination.

The American Poultry Association is the largest live stock organization in the world and its membership is increasing with tremendous rapidity. On its roll are the leading breeders and representative poultrymen of Canada and every state in the union.

Every breeder, fancier, man and woman in the United States and Canada who is interested in poultry of any kind should join this great organization.

The American Standard of Perfection

The Standard of Perfection is the official guide for the breeding, mating and judging of all poultry. It gives a close and detailed description of every breed and variety of chickens, ducks, geese and turkeys, with illustrations from living models. This book is published by the American Poultry Association at an enormous expense and is the American authority. You can not raise poultry successfully without this American Standard of Perfection. Prices postpaid from the publishers of this paper. Cloth binding, $2; leather binding, $2.50. Send all orders to American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.

On its shoulders rest this gigantic Billion-Dollar Industry.

Your interests will be promoted and safeguarded. You may compete for the association diplomas and gold and silver medals at the shows, and be entitled to all the help that honest organized effort can give you.

You will have a voice in shaping the course and policy of the association. Making it recognized by nations and governments. Your name should be one of the thousands of the honored members of this association. We urge you to write immediately for information and application blank. Address

E. B. THOMPSON, President, Amenia, New York
S. T. CAMPBELL, Secretary

American Poultry Association, Mansfield, Ohio

of this variety and for three months leading all varieties, was the center of attraction and a feature of the show.

* * *

Judge W. S. Russell made a good impression both at Boston and Pittsburgh. His work was very well and quickly done, and we hope to see more of him in the East.

* * *

The exhibit of S. C. Black Minorcas at Pittsburgh was the best display of this variety ever cooped, 241 birds competing. In it was credit enough for all.

* * *

Do it now — your efforts now will bring results later; don't neglect care; see to your matings properly; keep busy and the results will be most pleasing.

The United Poultry Farms Co., Inc., is an assured fact, with Mr. U. R. Fishel, president; Mr. Lester Tompkins, vice-president; Mr. P. A. Cook, secretary, and Mr. J. C. Fishel, treasurer.

* * *

The Indianapolis show, held February 2nd to 6th, was a large and beauty show, with the great classes of Barred and White Rocks features of the display. Note report.

* * *

While at this show we could not resist the temptation of going to Hope, Ind., to visit the home and yards of Mr. U. R. Fishel and Mr. J. C. Fishel, and in our next will tell of what we saw at those two famous plants.

* * *

Mr. Art C. Gilbert, the noted English Orpington breeder, will stay in America, having formed a partnership with Mr. William H. Depper, South Lincoln, Mass. The company will be known as the Pine Lodge Farm Co. and will specialize with Blue and Cockoo Orpingtons.

* * *

Mr. John S. Martin spent two days at the Boston show and for 48 hours never left the White Wyandotte row. John has them better than ever this year, for we have seen them.

* * *

Cut clover is the reliable winter green food and should be fed liberally; it is tasty and the hens like it. To further answer J. B. S. we recommend the Niagara brand, put up by W. R. Curtiss & Co., Ransomville, N. Y.

* * *

We will miss Mr. W. R. Graves, the White Rock and Dotte man in the East. His new home and address is Janesville, Wis. With all best wishes for your success, Mr. Graves.

* * *

Now, folks, get busy; raise all the chicks you can well take care of; a most promising season is ahead and the breeder who has the goods will reap the benefits.

* * *

An ounce of boost more than discounts a pound of obituary.

* * *

Nearly all wise men are married. That is how they got their wisdom.

* * *

If any of our readers are breeding Golden Barred Plymouth Rocks I would like to hear from them.

Wysocki's Silver Campines

Winners at Chicago, Jan. 1914, 1st Pen, 2nd Cockerel, 2nd and 5th Pullet. Eggs and day old chicks at reasonable prices. Mating list upon request.

MRS. J. WYSOCKI, 431 Lafayette St., Aurora, Ill.

Cole's Buff Plymouth Rocks Win

At the National Club Meeting, Cleveland, Dec. 2-7, 1913 —3rd cockerel; 3rd, 4th and 5th cock. **Chicago, Dec. 12-17, 1913**—3rd hen, 1st and 4th cockerel, 1st pullet and 1st pen young, best display and central district cup offered by the club. Demonstrating my ability to produce the quality necessary to win. **Eggs from best matings $5 per 15, $9 per 30. Mating list free.**

FRANK C. COLE -:- BOX A -:- VAN WERT, OHIO

THE MIAMI POULTRY YARDS CO.

JOSEPH L. HESTON, Proprietor, TRENTON, OHIO

We will make a specialty of day-old chicks, and will have an annual capacity of 150,000 chicks. We will hatch the following varieties: Black, White and Buff Orpingtons; Buff, Brown and White Leghorns; Partridge, Barred and White Plymouth Rocks; S. C. Rhode Island Reds, S. C. Black Minorcas, Anconas, White Wyandottes, Buff Cochins and Cornish Indian Games. The catalogue will be ready January 1st, 1914. For a copy please address

JOSEPH L. HESTON, Manager, TRENTON, OHIO



FIRST PRIZE COCKEREL. NEW YORK, DEC. 1913

First Prize S. C. Red Cockerel

Madison Square Garden, Dec. 1913

Also Best Red Hatched in 1913

This wonderful bird, together with my

FIRST PRIZE PEN, Madison Square Garden

and all of my Cleveland winners are in my breeding yards ready to supply fertile eggs to you.

I am pointing the way with my "Aristocrats." They will make it easy for you to win.

Send for my **Free** Mating List showing New York and Cleveland winners, fully describing 18 of the grandest matings in America. Send 5 cents in stamps for natural color photograph of my First New York Pen Cockerel, un-retouched, just as he stood in his coop.

I guarantee 12 fertile eggs to the setting, and don't forget I won every First Prize contested for at both New York and Cleveland.

IRA M. CROWTHER, BOX A, WILLOUGHBY, OHIO

Breeder of the famous "Aristocrat" R. I. Reds

Current News of the Poultry World

by J. F. Shureman

Utah poultrymen are planning an effort to secure an appropriation from the state for the aid of the poultry associations of the state, for the establishment of a state poultry experimental station and for the promotion of the annual state fair poultry exhibits. A petition asking for the appropriation will be presented at the next session of the state legislature.

Among the freaks exhibited at the recent Racine, Wis., poultry show was a bird that was claimed to be a cross between a chicken and a duck. It had a chicken's head and feet, but its body was that of a duck. Another freak was a fowl with four legs, two tails and four wings, but with one head.

The first poultry show ever held is thought to have been in the zoological gardens of London, England, in 1846. The first exhibition of poultry to be held in America was at Boston in the year 1849. This show did not attract much attention. The first American show to attract world-wide attention was held in the American Museum in New York City in 1854, under the management of P. T. Barnum, who afterwards became the world's greatest showman. In 1886 there were only 52 shows advertised to take place in the United States, while today, during the season of 1913-14, more than 700 poultry shows have been held in the United States and Canada, and more than 200 in England.

At the recent Salt Lake City, Utah, poultry show, S. A. Elswood, of Brigham City, exhibited a pen of four White Plymouth Rock females representing four generations—great-grandmother, grandmother, mother and daughter—and each of the four was awarded a ribbon.

Elmer Mather, a farmer living near Burdette, Kans., gives his chickens a daily feed of dried grasshoppers. The 'hoppers were exceptionally plentiful in the vicinity of Burdette last summer and came pretty near ruining Mr. Mather's sugar beet crop. He rigged up a 'hopper trap and caught 119 bushels of the insects. He not only saved the beet crop, but dried the 'hoppers and stored them away for winter food for his chickens.

A winter course in poultry husbandry is being conducted by the Y. M. C. A. of Columbus, Ohio, with Prof. F. S. Jacoby, of the Ohio State University, as instructor. Both men and women are enrolled, including a number of business and professional men.

George A. Simmons, of Penn Yan, N. Y., claims to have increased the egg production of his flock of White Leghorns 25 per cent during the months of December and January by the installation of electric lights in his poultry house. He turns on the lights at 4:30 in the morning, having a switch near his bed where he can reach it, and when he goes to the poultry house at 7 o'clock he says he finds eggs a-plenty. Mr. Simmons argues that the winter egg production is cut down by the shortness of the days.

An effort is being made by the members of the Fremont (Ohio) Poultry

This Is The Brooder The Chicks Like

This is the brooder that makes success in rearing strong, lively chicks a *certainty* instead of "luck." Notice how cosy the chicks are in the view here on the right. They are enjoying the warmth of the hover and at the same time getting plenty of pure fresh air. Decide to rear your chicks this season with



HALL COLONY BROODERS

and save yourself time, labor and considerable operating expense besides rearing to maturity more husky, well-developed fowls with vigorous constitutions.

The Hall Colony Brooder has a hover which is easily raised out of the way by a simple counterbalance weight. A child can raise it with a slight pull. You don't have to get down on hands and knees to clean this brooder or stove.

Construction and Durability

Cast iron stove, will last a lifetime, will not deteriorate because of fire or coal gas. Hover made of best galvanized iron, having cast iron collar riveted. Thoroughly reinforced—solid. Pure woven wool felt curtain, chicks will not pick at it.

Regulator

Metal thermostat, sure and reliable, operates damper, regulating combustion.



Ventilation

Slight seepage of warm air through top permits gradual change of air, no draughts.

Fuel

Anthracite Pea coal, averaging 40 cents per week, two shovelsful will suffice for 12 hours.

Angle of Fire Pot

and hover radiates warmth so chicks will cluster in a circle away from stove. Easy to shake grate through door of hover. Curtain conserves heat, and chicks prefer the dark when under hover.

Now Is The Time To Order Your Brooder

You will want your brooder in a rush, so will thousands of others want their Hall Colony Brooders. Therefore, place your order *at once* for future delivery and you will be sure to receive your equipment in good season.

The practicability and success of the coal-heated large capacity Colony Brooder was first demonstrated by us.

Write for further information and prices.

The Hall Mammoth Incubator Co.

132 Southern Ave., Little Falls, N. Y.

Association to amalgamate all the small poultry associations in the vicinity of Fremont into one large association to give one big show another year.

Illinois poultrymen will ask the next State Legislature for an annual appropriation of $10,000 for the benefit of the poultry shows throughout the state. The bill is already drawn and provides that an amount equal to 80 per cent of the total entrance fees shall be paid by the state to each association making application therefor, this money to be used for premiums and the other expenses of the shows.

"Lady Elgin," a five-year-old White Plymouth Rock hen owned by John Matteson, of Elgin, Ill., is some egg machine, if reports are true. At the recent Rockford poultry show she made a record by laying two eggs the first day of the show, three before the first thirty-six hours had elapsed, and four at the end of the fiftieth hour. Her owner claims that she has laid three eggs a day on thirty occasions and two eggs a day on seventy-five occasions, and that her record for continuous laying is 234 perfect eggs in 178 days! If these reports are true (mark that "if") "Lady Elgin" is sure a wonder.

Saturday, March 7, has been designated as "Missouri Hen Day." On that day the Missouri State Poultry Association will launch a systematic and thorough educational campaign, in cooperation with the State Poultry Experiment Station at Mountain Grove, which will extend into every county in the state. In order to properly carry on this work, as well as to promote the poultry industry locally, the members of the State Poultry Association in each county will meet and organize a County Branch of the State Association.

Montana poultrymen are sure becoming enthused. At the recent state show at Missoula there were so many entries that Judge Holden could not handle the exhibition alone and it was necessary to wire Judge C. A. Greenfield, of Butte, who came on the first train to assist Judge Holden. It is the first time in the history of the state association that two judges have been necessary.

That beginning next season, Michigan should have a circuit of poultry shows in the larger cities is the proposition that has been advanced by I. A. Freeman, of Fenton, president of the Michigan Branch of the American Poultry Association. Mr. Freeman argues that such a movement would tend to assure a better class of shows, do away with the possibility of conflicting dates and lessen the expenses of the various exhibitions. Flint, Lansing, Battle Creek, Port Huron, Kalamazoo and Grand Rapids are among the cities mentioned as possibilities for the circuit.

According to a recent report of the secretary of state, there are about 11,000,000 chickens in Minnesota and they produced last year (1913) a grand total of 700,000,000 eggs. The value of the eggs produced and sold, and the fowls raised and sold in Minnesota during 1913 was more than $15,000,000. If all the eggs produced in the state during the year were fried and placed one on top of the other, they would make a pile 3,600 miles high, and if a man could, by any possibility, eat ten eggs at a meal, it would take him 66,000 years to eat this great mountain of eggs.

Officers of the Indiana Branch of the American Poultry Association were recently elected as follows: President, W. C. Pierce, Indianapolis; first vice-president, S. A. Noftzger, North Manchester; second vice-president, Carl J. Carter, Columbus; secretary-treasurer, C. L. Fishel, Hope; executive board, B. H. Scranton, Rising Sun; A. G. Phillips, Lafayette; A. Goyert, Greensburg.

California poultrymen are up in arms because of the immense quantities of Chinese eggs that are being imported since the removal of the tariff on eggs. Several hundred thousand cases of eggs, aggregating several million dozens, have been received in San Francisco and are being sold at a price which the California poultryman is unable to meet. It is claimed these eggs are produced under conditions the mere mention of which is nauseating, and that they are unfit for food. Resolutions of protest have been sent to the California representatives in Congress, to the Pure Food Bureau of the Department of Agriculture and to the State Department of Public Health.

The protecting wing of the federal government would be extended over every chicken, duck, goose or turkey shipped in interstate commerce under a bill introduced in Congress by Representative Difenderfer, of Pennsylvania. The measure authorizes the Interstate Com-

Stop that back-breaking work; the heart-breaking losses; the profit-killing expense, by installing the Duplex System of Colony Brooding. This wonderful new way of raising chicks and ducklings will positively save you 90 per cent of the labor; 75 per cent of the operating expense; reduce the mortality from 20 to 50 per cent and increase the vigor and size of your matured fowls. No sickly, stunted cockerels or pullets will be found in flocks raised the Duplex way.

Duplex Brooder Stoves

heat and ventilate your brooder house perfectly. No need to mutilate your building with holes in the ceiling and side walls for ventilation. The Duplex will give you better results without. Don't try to heat all outside by having a hole in your roof. A Duplex will save you all that heat. The Duplex is the latest improved stove on the market, is made of the best material by skilled mechanics, yet sells for less than the others. Why pay more? It is the only stove on the market which incorporates a ventilating feature. This feature alone will save you from ten to twenty per cent of your fuel bill. Our free book tells all about these splendid labor, money and chick saving brooder stoves. Write for it.

Free Book Tells How To Save Your Hatch — Get It!



They Are Beginning to Come. We Have Sold Hundreds of These Stoves. Here is the First Report From a Customer:

Duplex Colony Brooder Co.,
Rockford, Ill.

Gentlemen:

I received the brooder stove promptly and am well pleased with it. You might be interested to know that I used three stoves of another make last season, which did not prove entirely satisfactory, but they convinced me that colony brooding was the only way to raise chicks.

The improvements your stove incorporates interested me so I ordered one of them, and I am satisfied that the Duplex will not only prove more reliable but will save me much on the cost of fuel.

Your system of ventilation is perfect, as it keeps the temperature on the floor of the room right without a draught, to say nothing about doing away with the almost impossible task of putting in a ceiling ventilator which will keep out the snow and rain.

Your regulator is certainly a marvel of simplicity and accuracy, and does not leak as the others did. I expect soon to install several more of your stoves, for I am convinced that you have hit on the proper thing in a Brooder Stove. Yours very truly,

(Signed) Polo Leghorn Yards,
Polo, Ills., Feb. 5, 1914. C. E. Trump, Prop.

That should go a long way toward convincing you. Mr. Trump is a busy man, but he will verify the above statement if you will write him inclosing a 2c stamp.

The time is getting short. Write for our booklet. We will gladly send you a copy free. Stoves will be shipped on the day your order is received, no delay. We pay the freight.

Every Chick Saved Is a Dollar in Your Pocket

"Colony Brooding" is the name of a booklet which fully explains the method of feeding and caring for chicks in colonies. We will send it to you for 50c and give you a coupon worth fifty cents on your first stove purchase. The book sent free with each stove.

Our free catalogue tells all about Duplex Brooder Stoves and the many advantages of Colony Brooding. Send for your copy. It's free for the asking. A postal will bring it by return mail.

Brooder House Plans For 10c in stamps we will send you plans for a Duplex Brooder House. These will enable you to build a new house or remodel your present house without the loss of time. Remember our catalogue is free for the asking.

Duplex Colony Brooder Co., Box 493, Rockford, Ill.

merce Commission to see that food and drink are supplied to all poultry in shipment within 24 hours of the time they are crated. At 24-hour intervals inspection must be made and all dead and sick birds removed.

A report from Texas says that blue bugs are killing large numbers of chickens in that state. A state investigation is being made.

BLUE ORPINGTONS.

PERHAPS nothing in poultry history quite equalled the enthusiasm that followed the introduction of the Orpington fowl to both England and America. In this breed those who had so long admired the beautiful and massive Cochin and yet deprecated its heavily feathered shanks and toes and its sluggish disposition, found their ideal. They also soon realized that in the Orpington they had a most practical breed that would produce eggs and plump, quick growing broilers and roasters. Rapidly following the introduction of the Blacks came other colors, the Whites, Buffs, and the mottled Jubilees.

Latest, and by far the most unique and beautiful, we have the Blue Orpington, just beginning to be bred in sufficient numbers to be placed upon the market. Standing in the background at the late Ohio State Show at Columbus, the writer was impressed by the enthusiastic crowds that fairly "surged" about the coops containing this latest addition to the Orpington family.

The expressions, "beautiful," "gorgeous," "unique," and exclamations of approval were heard with scarcely a note of depreciation.

One enthusiastic countryman remarked upon the long known value of "the old blue hen's chickens," and stated that he always knew her chickens would have their day, as they were always the best chickens that ever wore feathers.

Surely when "the old blue hen's chickens" appear with the massive form and distinguished style of the thoroughbred Orpington, then we have something worthy of enthusiasm.

My experience with the breed has not covered a great time, and in fact, no breeder in America has had long experience with Blues. Yet while I have long been a breeder of pure bred fowls and have had experience with many breeds, I can truthfully say that no breed has so captured me as this latest importation. There are drawbacks. One cannot expect them to breed absolutely true at this stage. There will be a percentage of black or white culls. Yet I culled no larger percentage of chicks last season than I was accustomed to cull when breeding Silver Wyandottes, in which I formerly specialized.

The fertility of the Blue Orpington eggs I have found to be remarkable and the Blue chicks are the strongest and most enterprising youngsters I have yet handled. It is said that a race that has emigrated and been transplanted to a foreign soil is always prolific. That may have something to do with the laying ability of the Blues. At any rate they have that ability. I have fattened some of the culls and no finer poultry meat can be found.

Then the Blue Orpington is a fancier's fowl.

Here we have something interesting to breed for, something that calls for all the skill and enthusiasm that goes with the genuine fancier. So, "taking it all 'round," the writer is well satisfied that the Blue Orpington must forge to the front just as rapidly as its numbers can be increased. Just now that is where it is lacking, in numbers to fill the great and increasing demand.

ADOLPH LEHNE.

Mechanicsburg, Ohio.

FARRANT S. C. BROWN LEGHORNS

At the GREAT COLISEUM SHOW, Chicago, December, 1913

First pullet-bred cock, 4th exhibition cock, 1st and 5th pullet-bred cockerel, 3rd exhibition pullet, 5th cockerel-bred pullet. Six ribbons on seven entries. Show birds for sale that can win for you anywhere. Chicago winners heading all pens. Write for mating list.

F. M. FARRANT, 745 Prairie Ave., KALAMAZOO, MICH.

Partridge Plymouth Rocks

My trap-nested layers win at such shows as TOPEKA, HUTCHISON, ST. LOUIS, DES MOINES, SEDALIA, ETC. If you want *real* Partridge Rocks, that will *win* and *lay more eggs* than any other strain, you will be interested in my mating list. Sent free on request

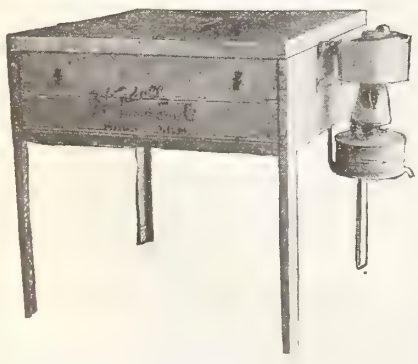
Best Guarantee Ever Made on Eggs

H. E. BURGUS, Partridge Rock Specialist Box A OSCEOLA, IOWA

Prudhomme's Campines Winners

Having won 24 Firsts, 8 Seconds, 12 Thirds, 7 Fourths and 2 Fifths in hot competition at 6 representative shows the past season, **my stock is better than ever, my prices lower than ever.** I offer absolutely the BEST for the PRICE in the WORLD. Why pay more? Send for descriptive booklet, compare quality viz. price. Please mention American Poultry Journal.

DR. J. H. PRUDHOMME DESK P THURMONT, MARYLAND

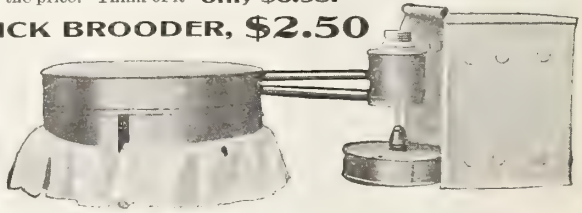


125 Egg Incubator for $6.98

OUR POOR MAN'S FRIEND—GUARANTEED FOR 5 YEARS

and will hatch any egg that any other incubator will hatch. It has **triple wall**, the outside is covered with metal, has the same fixtures that any high-grade incubator has. It is a plain hatcher with no complications. A child can run it. No possible way for it to catch fire from its own lamp. We want you to get our book that tells you all about our incubators and brooders. This incubator can't be equaled for double the price. Think of it—**only $6.98.**

30 to 50 CHICK BROODER, $2.50



The Brooder illustrated, at right, will care for from 30 to 50 chicks. It is all metal and comes to you **all complete for $2.50. Hot Water Circulation** which is positive. Can be put in any ordinary dry goods box in 10 minutes. A warm flannel that is warmed by the water tank above drops on the chick's backs and hovers them like a mother hen.

Send a postal before you forget it and get our big book describing 53 different articles we make for you. Now is the time to get ready for Spring Hatching. **GET YOUR ORDERS IN EARLY.**

WENDELL INCUBATOR CO., 51 Main Street, HOLLY, MICH.



John S. Martin, Port Dover, Ont., Can., has won an enviable reputation as a breeder of some of the choicest White Wyandottes in existence today. His strain possesses an individuality truly Wyandotte in conformation. They are neither too coarse nor too fine in the various sections, but possess the refined qualities which have set the fashion in recent years. The cockerel in the above picture is a good example of a high class specimen, despite the fact that the picture was taken during the fall season when most specimens lack full maturity.

Home and the Table
Good Things for Everybody

Helen J. Woods Editor

PARENTS SHOULD AID TEACHERS.

WE hear a good many parents complaining of the present day school system, not in any one locality, but from all sections of the country. And it cannot be denied that there is just cause for complaint. The process of training a child into a thoughtful, useful citizen admits of many mistakes, since the ability, knowledge and fitness for such instruction is not a universal accomplishment. Very few, indeed, possess it. But once we get a little clearer idea of what fitting out a child for life really means there will be more and better fitted applicants for such work.

The parent almost invariably lays the blame for a child's failure on the schools, and surely a good part of it belongs there. It is the natural thing to shield one's self even when it comes to such a matter as the responsibility for the welfare of one's children. The fact remains, however, that first, last and all the time, comes the parent's responsibility. He not alone has to do with the child's heredity but he can, to a great extent, control the environment.

The little child, with his pronounced credulity and adaptability believes almost anything he is told and imitates that which is going on around him. Herein lies the foundation for his successful training. But at this age, the parents are either too busy or otherwise interested to give much thought to the matter. In fact, it is rare to find a parent who is interested in the things that interest his child or to know what line of thought his child is working on. But there is no surer way of helping a child to make his future worth while, than that of influencing his thoughts to work on realizable aims and ambitions.

Not more than a decade or two ago, nearly every one was possessed of the idea that a college education was the thing needful to insure success in life. Few took the trouble to analyze what the individual got out of a college course, but the fact that he held a diploma from a recognized college or university was popularly supposed to fit him for any walk in life.

Today, applicants for any line of work are not rated as to their Alma Mater, but solely on their fitness. And the problem of fitness is one that will confront the coming generation even more directly than it does the present.

The things which the children of today need to know and understand more than any others are those things which bring out, and help develop, natural inherent capability. To bring this about they must understand the proper care and development of the body, the necessity for self-control, the rights of others, the joys and pleasures to be found in the common, everyday things of life; that success rewards a continued effort in any direction and that a child's best assets are cleanness and health of mind and body, habits of thrift and determination to accomplish, and a belief in himself to give to the world the best there is in him, and get out of life the best there is in it. If you stop to consider how few people there are who are really living their lives with any sort of appreciation of what life offers, and of how vast is the number who spend whole lifetimes complaining of imaginary troubles, blundering along to the end with no aim or



Cuts
Burnt-in-Grease
From Oven Pans

Old Dutch Cleanser

Easily dislodges crusts of burnt-in-grease and quickly removes the hard sticky substances.
No form of uncleanliness can resist its magic power.

Keep a Can Handy LARGE CAN 10c

COLUMBIAN WYANDOTTES
AMERICA'S GREATEST STRAIN
We are Specialists and Leading Breeders of this Profitable and Beautiful Fowl.
HEAVY WINTER LAYERS
Winners of Highest Awards and Honors at America's Foremost Exhibitions.
SEND FOR FREE CATALOG
FENTON FARMS, MT. CLEMENS, MICH.

Plain truth is, you will have no lousy hens if you paint the inside of your henhouse with
AVENARIUS CARBOLINEUM
(Registered)
once a year. It is guaranteed. Write for circulars and testimonials.
Carbolineum Wood Preserving Co.
Dept. 50, Milwaukee, Wis.
Beware of imitations

ambition for betterment, you cannot help but realize how important a matter this is—this matter of knowing how to live. The foundation, at least, for such an understanding should come from the parent. We cannot presume to more than open the way, and we do not, in fact, need to go farther, but we owe it to him to point out the value of his natural capabilities, since his greatest happiness and success must come from these.

In the matter of actual advancement in school work, instead of spending so much time worrying about the girl or boy not getting ahead, why not see what can be done to help them? Parents, one or both of them, have educated their children before now, with little or no previous training for that kind of work, and have made a very creditable showing at it. But they considered it a matter worthy of thought. They found it could not be disposed of quickly, or gotten out of the way like the week's mending. It requires thought — almost continual thought—to accomplish any good purpose, and this is certainly among the best there is.

If as is the usual case, the child is in school, it is likely he is being hurried and rushed through one thing and then another in an effort to cover the whole field of knowledge in as short a time as possible, the greater part of it being forced upon him second hand, either through reading a prescribed lesson or by being told, in a matter-of-fact way, about something he has never seen. Naturally such information rarely, if ever, registers. But if he could see it, either naturally or interestingly, through the mind's eye, it would appeal to his sense of investigation and desire for knowledge.

Not long ago there was a boy who became disgusted with the utter dryness and lack of interest to him of the study of history. He failed time after time in this branch. His teacher was about discouraged, holding him back on account of it. Fortunately for the boy about this time his aunt came to visit, and hearing of these facts (with no mention of the history failure) began reading aloud to him. She read book after book relating to the history of his country, or of the men who had made history possible. She supplemented it with poems and stories bearing on the subject, until in a few months he was practically the best informed boy on historical subjects in the entire school. The whole subject had taken on a different meaning. The places and people became real and interesting to him. His teacher marveled, but when she learned the facts in the case, she changed, without delay, her method of instruction in history. In the period devoted to this recitation she read to the class or told them stories relating to the subject, and soon it became the most popular period of the day. She found the children were taking out historical books from the library, so great was their interest. Soon similar methods were adopted in the study of geography and language, with truly remarkable results. In another town, an up-to-date teacher, whose class was studying the geography of Holland and the peculiarities of the people, took her entire class to a moving picture show near by which happened at the time to be showing views of the dykes and other interesting scenes

EGGS AND BABY CHICKS

From Fogg's Single Comb White Leghorns

All our breeders this season are old birds, they produce the strongest chicks—THE KIND THAT LIVE. If you want the most for your money, send for mating list now. Safe arrival of chicks and eggs guaranteed.

N. V. FOGG -:- BOX R -:- MT. STERLING, KENTUCKY

DUN ROBIN FARM

THE HOME OF

Brinkley's White Plymouth Rocks

"THE BEST IN THE SOUTH"

At Indianapolis, Ind., January, 1914, they won 1st Young Pen, 2nd Old Pen, 5th Cock and 5th Hen. **At San Antonio, Texas, January, 1914,** they won every First Special for Best Pen in American class, Special for best Cock, Hen, Cockerel and Pullet in entire show, and other Specials.

Eggs ready for shipment from grand matings, $5 to $15 per 15.
Start right, by getting your stock or eggs from me.

W. J. Brinkley, Owner, J. H. Sledd, Supt. Box A, IUKA, MISS.

Newtown Giant Colony Brooder

Coal-Burning, Self-Feeding, Self-Regulating

has been tested and proven by your fellow poultry-raisers to be the brooder you need to raise more chicks with the least expense, much less trouble and no danger of fire. Read their letters.

10 Degrees Below Zero—Practically No Loss

It is three weeks since I received my Newtown Giant Colony Brooder and must say it works just like a clock. It keeps the temperature just right at all times and in all kinds of weather. My house is 14 x 16 and I have about 300 chicks in it. The death loss is almost nothing, only one chicken a week. Friday the 6th, the thermometer was up to around 60 and it has been a very warm January, and the cold wave struck us and the thermometer went to 10 below in 36 hours. The Colony Brooder held the heat all O. K. and I know 20 below would not affect the room in heat for the chickens.
I have used nearly all kinds of brooders and lost chickens by the hundreds by their crowding, but I am done losing chickens now. There is no crowding in your brooder as in others—always fresh air to breathe, and I expect to use nothing but your brooders in the future.
—GEO. W. TIMBY, Atchison, Kans.

Four Stoves use Two Buckets of Coal in Twenty-four Hours

"The four Brooder stoves received from you last season gave good satisfaction, and I recommend them to any one wishing to brood 200 or more chicks. The 4 stoves use 2 buckets of hard coal in 24 hours." —AUG. E. EHLERET, Northfield, Ohio.

Has All the Lamp Heated Brooders Beat

"I thought it was about time for me to write and let you know that I received your Brooder Stove the 15th of December and that the stove is O. K. The Newtown has all of the lamp heated brooders beat in brooding chicks." —A. H. SCHROEDER, Fountain Sq. Sta., Ind.

Has Four. The Best Ever for Brooding

"We have four Brooders and expect to have them running this Spring. It looks like one of the best things that ever came out in the shape of brooding."
—The Everlay Farm, JAMES H. LORD, Methuen, Mass.

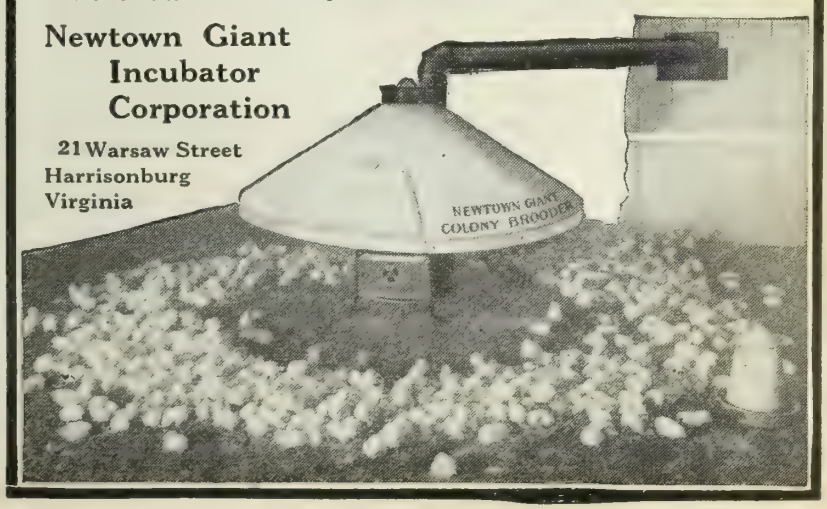
This Brooder is not an experiment. It was formerly manufactured by a small Virginia Company, from whom it was purchased and then added to the Newtown family of products.
You get a tried and proven Brooder when you order a Newtown, and with it you will save your chicks and greatly reduce the cost of raising them.

The Newtown Brooder is made in two sizes. One size for up to 500 chicks, and the other for 1000 to 1500 chicks.

If there is no Newtown dealer in your locality, we will prepay the freight. We are prepared to make immediate shipments.

Write now for handsomely illustrated catalog that will give you more information to prove that you should install a **Coal-Burning, Self-Feeding, Self-Regulating Newtown Colony Brooder** for better results and more profit this season.

Newtown Giant Incubator Corporation
21 Warsaw Street
Harrisonburg
Virginia



among the thrifty people of that quaint country.

The mother, who would interest her child along any line where interest drags, can, if she will put a little thought into the matter, find countless ways to bring about a better condition of things. Every child is eager to hear an interesting story. An hour or so spent in telling one that will awaken interest where it is needed will be well spent. The following idea was used successfully with a little fellow who "couldn't see the use of arithmetic." His mother told him the story of a boy, eager to make money, and who, during the summer vacation, applied for the position as office boy with a prominent merchant. This gentleman had begun his business career in the same capacity and took an interest in the boys who applied to him for work. He questioned them closely as to their ability to count backwards as well as forwards, by ones, twos, threes, fours, fives and up to tens. There were very few boys in the large number that applied who could do it, but the prospective employer told them that any boy who was interested and tried could easily learn. There was one boy who displayed a pronounced desire to learn and he was given the opportunity—meaning the position for which he had applied. His interest thus once aroused made the mastering not difficult.

—o—

Steamed Brown Bread.

By F. A. G.

One cup best corn meal, one cup rye meal, one cup graham flour, one cup molasses, one teaspoon salt, one cup sour milk in which one teaspoon soda has been dissolved. Steam four or more hours, then place in the oven for ten or fifteen minutes before serving.

Split Pea Soup.

By F. A. G.

Wash one-half a cup of split peas and soak over night in a pint of cold water. In the morning drain, and add one and one-half quarts of cold water, a small onion, and about half the rind of a strip of bacon. Cook slowly until the peas are soft, then strain, and again place over fire, adding one-half teaspoon salt, a little pepper and powdered sage. Let simmer for an hour and serve steaming hot.

Little Spice Cake.

Cream one-half cup of butter and add one cup of sugar and four well beaten eggs, two teaspoons of cocoa, one-half teaspoon each ground cinnamon and cloves, two tablespoons of black coffee, two ounces of cornstarch, one cup of flour and a teaspoon baking powder. Bake in patty pans in a quick oven and frost with a chocolate fudge, or plain boiled frosting.

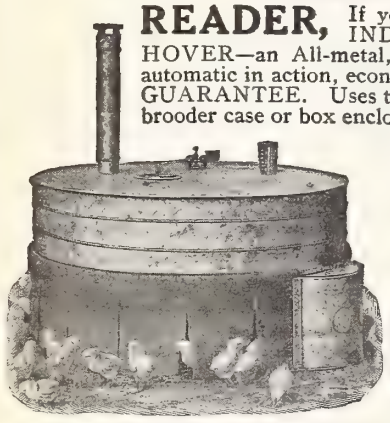
Broiled Scrod.

By F. A. G.

A scrod is simply a young cod fish

FOR INDOOR BROODING

READER, If you are looking for a low-cost, convenient and practical way to brood little chicks INDOORS, you will not make a mistake if you buy and use the CYPHERS PORTABLE HOVER—an All-metal, Self-regulating, Self-ventilating, COMPLETE BROODING DEVICE that is automatic in action, economical to operate and that with proper care will last many years. ALL THIS WE GUARANTEE. Uses the floor of the room for the floor of the brooding space and therefore does not need a brooder case or box enclosure. Chicks are on level of room floor all the time and do not have steps or inclines to run up and down. Can be operated in ANY ROOM or place indoors where it is safe to raise chicks or ducklings. Please read the recent sample reports herewith and send without delay for our FREE 1914 "When, Where and How" blanket circular, as described below.



Cyphers Portable Hover

Set it down Anywhere Indoors and you will have a Safe and Comfortable Place for the Little Chicks. "Movable" at a Moment's Notice without even turning down the Lamp Flame. Weighs 35 Pounds in use. Price, Complete, Safely Boxed, $8.50 free on cars at all our Places of Business, except Oakland and London. Oakland F. O. B. price, $9.50. Entirely Safe to order a sample from this advertisement. Weighs 40 lbs., by express.

REPORTS FROM CUSTOMERS

Hutchinson, Kans., July 13, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—

We believe that no other brooding device comes as near reaching the "acme of perfection" as does your Portable Hover. We know **whereof we speak**—because we have used others.

We wish to say to all poultry growers that they need not fear to use Cyphers Portable Hovers **at any time of the year.** At all seasons we have found them reliable. The temperature is easily maintained, even in very changeable weather. Often when our section was visited by blizzardy conditions we would worry about our little chicks, **but in every case** found them "snug and warm" and unharmed.

Experience has convinced us of the superiority of the Cyphers Portable Hover and in future we shall use them exclusively. They are large and roomy, are **automatic in ventilation** and produce strong, healthy chicks.

O. H. GUY & SON, Per O. H. GUY.
Breeders of Rose Comb Brown Leghorns.

Hillhurst Farm, Poultry Department.
Orchard Park, N. Y., June 27, 1913.
Cyphers Incubator Co., Buffalo, N. Y.—

No doubt you remember our **purchasing one dozen** of your Portable Brooding Hovers last spring. The brooding season now being over, you will be interested to know that they **have given entire satisfaction,** in fact we found them to be the best and **most practical Hover** we ever used and we **have used a number of different makes.** The Portable Hover is **convenient, easy to care for,** economical in operation and supplies an abundance of heat.

We put about 75 chicks under each Hover. We have put more than this under a Hover with good results, but think 75 is better. The Cyphers Portable Hover has the same **easy** and **reliable regulator** that has always distinguished the Cyphers Adaptable Hover, and for anyone needing a **self-ventilating,** practically automatic Portable Hover we know of nothing that equals the Cyphers.

HILLHURST FARM,
John B. Casterline, Mgr.

BIG FREE CIRCULAR: Send today—NOW, before you forget it, for our 1914 illustrated free circular (four pages, 11 by 18 inches) that explains FULLY "when, where and how to use" this type of brooding Hover "for best results." Gives detailed reports from these same customers and NUMEROUS OTHERS who own and are using Cyphers Self-regulating, Self-ventilating Portable Hovers, with UNIFORM SUCCESS. Write to Home Offices, Buffalo, N. Y., or to our branch store nearest you—see opposite page. Be sure to send all orders to our place of business nearest you, thus saving valuable time, also money on freight or express charges.

Bred to Lay **EXHIBITION WHITE ORPINGTONS**

THE GREAT WINNINGS OF THE PAST SEASON PROVE

FISCHER'S STRAIN WHITE ORPINGTONS

The Best In The West and Second to None

Winning five firsts and all specials, Coliseum, St. Louis, 1913. Four firsts and specials, Arkansas State Show, 1913. Three firsts and specials, **American White Orpington Club Show,** Cincinnati, 1913. **1100 birds to select from. Eggs for hatching. Baby chicks.**

WRITE FOR FREE CATALOGUE

SHAWNEE POULTRY FARM, Josesph H. Fischer, Mgr. **Box M, Shawneetown, Mo.**

and should weigh about four or five pounds. To broil, rub the broiler thoroughly with fat salt pork and broil the inside of the fish first. It will take twenty to twenty-five minutes to broil an ordinary sized scrod over a good bed of coals. When well done it should be rich, flaky and very delicious. Sprinkle with pepper and salt, pour a little melted butter over the fish and serve immediately.

Light Fruit Cake.

Cream one pound of butter and add one pound of sugar and the beaten yolks of ten eggs. Put one pound each preserved citron and orange or lemon peel through the meat chopper. Chop, or break in small pieces, one pound blanched almonds and dredge, both the fruit and nuts, well with flour, adding same to the cake mixture together with one-half teaspoon ground mace and grated nutmeg, one tablespoon of brandy and flour sufficient to make a stiff batter. Sift in two teaspoons baking powder and lastly the beaten whites of eggs. Bake in a medium oven.

Graham Nut Bread.

By C. W.

Sift sufficient graham flour to make three cups after sifting. To this add one and one-half cups white flour, one teaspoon salt and three rounding teaspoons baking powder. Sift all together and add one-half cup sugar and two cups of sweet milk. Add also one cup of chopped and floured nut meats. Mold into loaves and bake about an hour in a medium oven.

Shrimp Wiggle.

By C. W.

Melt three tablespoons of butter and add two tablespoons of flour. When smooth and bubbling add one and one-half cups of rich milk or thin cream. Cook until it thickens, stirring constantly meanwhile. Use two cans of shrimp and one can of peas (do not use the liquid), and add them to the cream sauce. Add salt and pepper to taste and serve immediately on buttered toast.

Oatmeal Flour Bread.

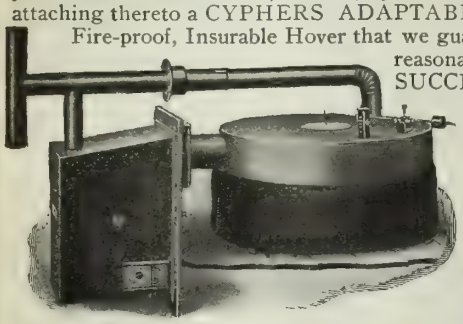
Pour two cups of boiling water over a cup of rolled oats and add one-half cup molasses, one teaspoon salt and a tablespoon of lard. When cool, add one-half cup of warm water in which one-half yeast cake has been dissolved. Add sufficient sifted flour to form a stiff dough. Let rise over night. This amount makes one dozen rolls and one loaf of bread. After placing in pans allow to rise again and bake as usual with bread.

———o———

Charred corn is excellent to feed to hens to increase their laying capacity. Char the corn on the cob thoroughly, taking care not to reduce any part of it to ashes.

FOR OUTDOOR BROODING

JUST AS SOON As the ground is dry each spring it PAYS BEST to get the little chicks out upon the fresh earth, or into grass runs—and this calls for colony coops EQUIPPED with safe and trustworthy brooding hovers, or for OUTDOOR BROODERS, either factory-built or home-made. You can easily make your own outdoor brooder, Reader, by securing at some nearby store a piano box, an organ case or a large goods box and attaching thereto a CYPHERS ADAPTABLE BROODING HOVER—a Self-regulating, Self-ventilating, All-metal, Fire-proof, Insurable Hover that we guarantee to be safe from fire, to be practical in use and to last a lifetime with reasonable care. There are TENS OF THOUSANDS of these Standard Hovers in SUCCESSFUL USE in all parts of the civilized world. Please send TODAY for our latest 1914 FREE blanket circular (four pages, 11 by 18 inches in size) entitled, "When, Where and How To Use Cyphers Adaptable Brooding Hovers to Best Advantage"—mailed free, postage paid, to any address on request.



Cyphers Adaptable Hover

Fire-proof, Wind-proof, Insurable, Self-regulating and Automatic in Ventilation. Best Device in World's Markets for Use in Home-made Brooder Cases, Colony Coops, Roosting Coops and Portable Houses. Price, Complete, Safely Boxed for Shipment, $8.50 free on board cars at all our Places of Business, except Oakland and London. Oakland F. O. B. Price, $9.50. Entirely safe to order sample from this advertisement. Send order to place of business nearest you, thus saving time and most of freight or express charges.

REPORTS FROM CUSTOMERS

Wayne, Neb., June 28, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

After using your Automatic Adaptable Hover, and thoroughly testing it, I find they are **just as represented** in your catalogue. Have installed them in goods boxes and home-made brooder cases—these cases being similar to your Style B Outdoor Colony Brooder. I place **fifty chicks** under each hover and they are left with the hover **until six weeks old.** I strongly advise the use of these Adaptable Hovers to fellow poultrymen. On account of their superior construction **they will last for years.** In my opinion this is the best device on the market for brooding chicks successfully outdoors.

LEROY OWEN.

Tappan, N. Y., June 25, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

Early this past spring we purchased two of your Self-regulating Adaptable Hovers and think them **as near perfect as can be made.** We expect to get **at least three more** for next spring. Our losses of chicks entrusted to these hovers are small indeed, and the chicks grow fine. Our chicks under the Adaptable Hovers were **never crowded, overheated or chilled in the slightest degree.** We had no trouble in **keeping the heat at the degree wanted,** as the automatic regulating device took care of it in fine style. I fed my chicks by the Cyphers Company "deep-litter method," and they certainly did fine this year.

CHAS. E. AHRENS.

CYPHERS INCUBATOR CO., Dept. 721 Factory and Home Offices, Buffalo, N. Y.

BRANCH STORES AND WAREHOUSES: NEW YORK, N. Y. 41 Barclay St. | BOSTON, MASS. 12-14 Canal St. | CHICAGO, ILL. 329-331 Plymouth Court | KANSAS CITY, MO. 317-319 Southwest Boulevard | OAKLAND, CAL. 2127 Broadway | LONDON, ENGLAND 121-123 Finsbury Pavement

Local Agents Wanted. No Capital Required. Write to Nearest Branch House.

WHITE ROCKS and WHITE WYANDOTTES

At the annual show and meeting of the National White Wyandotte Club, held at Cedar Rapids, Iowa, Jan. 12-17, in a class of 300 of the best White Wyandottes ever shown, we won 1st, 4th, 5th and 6th Cockerel, 3d and 4th Pen, 7th and 8th Cock, 4th and 5th Hen, 4th and 6th Pullet, second display cup 4 best Cockerels, cup best White Wyandotte in show, gold medal best Cockerel in show, medal best Cockerel in American classes. We also entered one pen White Rocks and won first. A few choice breeding birds for sale. Will sell eggs from best matings. Write for mating list.

ROCKANDOTTE FARM Route 3 JANESVILLE, WISCONSIN

HURRAH! Once More! HURRAH!

CHICAGO WINNERS

1911 1912 1913

At these, the greatest Barred Rock shows in all America, in battles with the Giants of the East and of the West, of the North and of the South, in competition with the best birds of some of the largest breeders of the entire continent,



ARISTOCRATS

Have Been Consistent Winners Each Year

In the show which just closed its doors on December 17, 1913, (mark the date), seventeen (17) birds of Aristocrat breeding were entered and twelve (12) of these were placed by the judge as winners. Think of it!

TWELVE WINNERS AT CHICAGO THIS YEAR WERE ARISTOCRATS

VICTORY after Victory in one state after another is added to the triumphant march of the conquering Aristocrats this season. They are simply irresistible.

GRAND SPECIAL COCKEREL SALE

is now going on—birds of great vigor, proud and stylish—ready to jump right into the breeding pen, ready for business. These Cockerels are so striking in quality, so sensational in color and barring in every section, that the reputation of anyone having Aristocrats will be established at once. They are carefully line-bred and pedigreed, therefore breed **powerfully** strong and true. They **reproduce** their wonderful color and barring.

IS THIS WHAT YOU WANT?



Prince Narrowbars as a cockerel, showing that extremely narrow, cleancut barring for which the Aristocrats are noted. He has now developed into a very full-bodied, magnificent cockbird.

EGGS for hatching: $10.00 for 15; $17.50 for 30; $25.00 for 50; $50.00 for 100 eggs. Eight strongly fertile eggs guaranteed to be in each setting.

FREE:--THE BEST BARRED ROCK CATALOGUE PUBLISHED

WRITE TODAY

W. D. HOLTERMAN, Fancier Box A FORT WAYNE, INDIANA

A PLEA FOR WELL-FED EGGS.

"Good Eggs for a Good Price, and a Good Price for Good Eggs."

Editor American Poultry Journal:

There is no doubt that some of the food we put into our stomachs will turn to sugar, but nevertheless we are a little careful what goes into the stomach. I notice that people do not want every old thing put into their stomachs, even if it does turn to sugar. And I do not believe they care to eat all kinds of eggs, even fresh eggs, just because a hen is capable of turning almost any old food into eggs. A farmer once told me that he was very fond of eggs after his hens got out on a grass range in the spring. He said he liked the flavor better at that time, but he did not seem to realize what was the matter before grass time came around. However, no wonder he did not like the flavor at other times, for who would from hens that were barn scavengers?

There are probably thousands of people who have, at one time or another, felt the same way about eggs as did this farmer. We frequently like or dislike certain things without knowing just why. But in the case of fresh eggs we can rest assured that if the flavor changes the food has likewise changed. Everything that a hen eats does not find its way into an egg, but some part of it does. Neither does all a cow eats find its way into the milk, but I notice that the milk farmer has to be very careful what his cows are fed. Even the health officers and inspectors have something to say in regard to a dairy cow's food and care. They have found it necessary in order to get first quality milk. There is no reason why poultry should not have the same inspection and care, and in order to get real quality eggs they will have to.

For myself, I want an egg from a grain and vegetable fed hen—not from a hen that acts as a scavenger of a barnyard. It is well known that coal tar products quickly affect the color of an egg, and that onions or fish will as quickly affect its flavor. So also will an egg made chiefly of barnyard filth taste filthy.

The question of clean food or filth for poultry is worthy of consideration, not alone by the poultryman but by people wherever, who use eggs as food. It is a question of giving the "clean food" poultryman his just dues. Really it is a question of getting what one pays for. A filth-fed egg does not rightfully belong in the same class with a grain and vegetable fed egg, but it sometimes gets there, not alone putting a bad taste in the consumer's mouth thereby, but actually reducing the price of good eggs.

Farmers everywhere will tell you that it pays to keep hens on the farm, and every last one of them will add "because they eat up the waste." Of course, very few people think what that means, in fact we don't like to think of it, but we have to, when we get a filth-fed egg, as sometimes happens away from home. The part that hurts the poultryman is that the price of well-fed eggs is largely controlled by the filth-fed farm eggs. It should not be difficult to appreciate the difference between a good article and a poor one and to know why one costs more to produce than the other, but there ap-



FIRST PRIZE PEN S.C. WHITE ORPINGTONS BOSTON, 1914
Bred And Owned By M.F. DELANO Prop. OWEN FARMS, VINEYARD HAVEN, MASS.

White Orpingtons have been improved more in quality during the past few years than any breed we know of at the present time. Both New York and Boston shows had wonderful classes considering the quality and the specimens individually were of high merit. M. F. Delano, proprietor of Owen Farms, Vineyard Haven, Mass., exhibited a very strong team at Boston, winning every first but one. His first prize cock and hen were birds of attractive Orpington type, being large and massive, deep and well rounded in body with beautiful white plumage. The first prize pen shown above was about the best pen we have seen Mr. Delano exhibit and he has shown them many times at the Garden and Mechanics Bldg., where they captured the blue ribbon. The hen shown in foreground of above group was winner of first in single class in Pittsburgh the week following the Boston Show.

S. C. WHITE LEGHORNS

Winners: 1st Cockerel, 1st and 2nd Pullet and 1st Pen at the great State National S. C. White Leghorn Club Meet held at Elgin, Ill., January, 1914. 300 of the noble variety in competition. The hottest class ever held in the state. Send for descriptive catalogue to

W. L. FERN **682 Slade Ave.** **ELGIN, ILL.**

LUCIA STRAIN S. C. WHITE LEGHORNS

Winners at Buffalo's Great Show, November, 1913. Bred in line for superior quality and admired by all who have seen them. My Third Cockerel at Buffalo, although immature, was the sensation of the class. Judges Cleveland and Schwab pronounced him worthy competitor for any show.

Stock for Sale—Eggs for hatching from choicest matings. Write me your wants please.

ALBERT WALDRON -:- **TITUSVILLE, PA.**

Evergold Buff Wyandottes

WERE AWARDED THE

NATIONAL CHAMPIONSHIP CUP, '13



at the national meet of the American Buff Wyandotte Club at Rochester, N. Y. At this, the biggest Buff Wyandotte show of this year, Evergolds won twice as many firsts as nearest competitor, while at

Madison Square Garden New York City, 1913

Evergolds won three times as many firsts as any other competitor. These two great wins, together with their winning

Ohio State Championship at Ohio State Meet, 1913

puts Evergolds in a class by themselves as far as Buff Wyandottes go. And best of all, Evergolds are a heavy egg producing strain—the production of *winter eggs* being their strong characteristic.

Mating List Free. Our elegant Catalog giving our methods of feeding and breeding Buff Dottes, 20c.

W. G. MARSHALL, Owner.

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Box 50, NORTHFIELD, OHIO.

GERALD WILLIAMS, Mgr. Poultry Dept.



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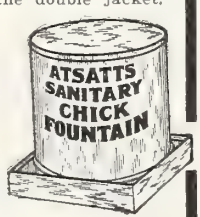
The practical poultry owner learns by experience. After he has cooked hundreds of chicks in the shell, and got tired of low hatches because of faulty, smoky, bound-to-run-up lamps, he pitches them all out and uses nothing but the

"ZERO" SAFETY INCUBATOR AND BROODER LAMP

made on a special Atsatt design. **It's Safe, Clean and Reliable—Safe** because the oil cannot get heated; **Clean** because it never smokes; **Reliable** because it cannot run up and the temperature must remain uniform. Notice the double jacket. All metal. Fits any incubator or brooder. At dealers, $1, or mailed anywhere on receipt of 15c extra.

ATSATT SANITARY SAFE FOUNTAIN FOR BROODERS

can't wet or drown chicks, is easily cleansed and filled, holds a quart and fits any brooder. Heavy galvanized iron. **Try it and you'll never use any other.** 25c at stores, or mailed for 8c extra.



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is the only chick feeder that absolutely **stops waste.** Lots of room for chicks to get their food, but they can't get into it, stand on top of it, or scratch food out. The top removes instantly for filling and cleansing and springs back into place. Best galvanized iron, so can be used **for wet or dry feed or water.** 10x4 inches—just right size for brooder. 25c at dealers, mailed on receipt of 8c extra.

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We make a full line of metal fountains, feeders and lamps, and every one of them has merits over all similar supplies made by anyone else. Those who try Atsatt's are never satisfied with anything else. They save their cost many times over in a season.

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One lamp, fountain and feeder mailed to one address, at one time, for $1.70, so that you can see how fine they are.



pear to be a good many people yet unconvinced.

Poultry that have been grain and vegetable fed not only produce an entirely different brand of eggs from filth-fed poultry, but the difference in the flavor of the flesh is quickly noticeable. It is up to the producer to demand a difference in price accordingly. Shoddy goods in a clothing store are sold at shoddy prices, but all-wool is sold at its true value every time. Let the poultry keeper make it known among his customers that he feeds for first-class eggs only, and that consequently his goods are worth what he asks for them.

I believe it is up to all of us to help the poultryman in establishing some sort of regulation of egg values. I am strong for helping the man who is in this business for a living. But I am dead against every Tom, Dick and Harry, whose combined accumulation of dirt manufactured eggs amounts to hundreds of thousands of dollars annually, and whose great number only help to keep good eggs below cost of production the greater part of the time. If such producers made money out of the filth-fed egg proposition, I would have nothing to say, because then a poor man could have poor eggs at a poor man's price (yet I do not quite like the filth element in food even for the poor man!), but they practically make nothing out of their slip-shod method of poultry keeping. They are like a good many of the rest of us, helping to keep chickens, not the chickens helping to keep them. They not only hurt the other fellow but make nothing for themselves. The world has a good many such people, and there might be some hope of their finding it out if some of them would start keeping account of what they pay out and what they take in. Ignorance is bliss and they are happy in guessing they are ahead of the game.

A farmer told me a short time ago that he made about seventy-five dollars profit from his hundred hens in ten months. Just previously he had remarked that he could not afford to repair an upstairs window in his dwelling because he was building an addition to his poultry house at a cost of fifteen or twenty dollars. This man is not in debt, has no children and gets good wages. I am wondering what became of all that "hen money," but I think "Mr. Feed and Up-Keep" has it. I would like to see more farmers and poultry keepers working to find out how much their poultry and eggs really cost them, and what the owner and man of all work is getting out of the proposition. When this happens, all the slip-shod class will "cut out" poultry by cutting off their heads and marketing them. And that is something that will surely come to pass just as soon as the consumer gets to know that every shell-covered thing is not an egg. When that day comes, the farmer will not try to compete with the poultryman whose sole business is poultry and egg production. Not, at least, unless he goes about it in a businesslike way by giving his birds clean range and food.

My slogan: Good eggs for a good price, and a good price for good eggs.

Louis Ringuette.



POULTRY CUTS

Our new catalog now ready; latest and best designs; all varieties; ask for it today

Chas. L. Stiles, Columbus, Ohio

Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.

A UNIQUE poultry device has been invented by Patrick P. Andrews, of Norfolk, Va. It is a chicken-catcher. It is intended to save the poultryman from the annoyance of having to indulge in a speed contest with the particular chicken or fowl in the flock he has picked out and wishes to catch. Usually that particular chicken determines it does not want to be caught and dodges out of the way just as it is being reached out for. This is very irritating. The inventor even suggests that his device might obviate

Fig. 1.



Chicken Catcher, patented Jan. 13, 1914, by Patrick P. Andrews, Norfolk, Va. No. 1,084,524.

"the necessity of shooting." Anyhow, it is a handy device and can be used for hanging up chickens that are to be dressed as well as for catching live ones. It consists of a handle, which may be of wood, on which is mounted a slidable rod having a hooked end, as shown in the illustration, for engaging over the leg of the wary bird. A spring-held latch is attached to the outer end of the rod and adapted to normally close the hook terminal, the latch being forwardly curved, so as to easily slip over the leg of the fowl. A resilient clip is fixed to the handle between its ends and engageable with one of the convolutions of the end of the rod, to hold it in adjusted position. Patent 1,084,524.

A Green Food Feeder for Poultry is the invention of William D. Moody, of Freeport, Me. It consists of a bag made of netting, and having a spreader disk

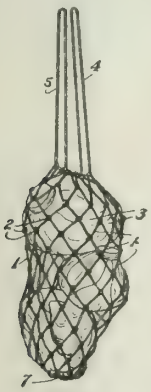


FIG. 1

Green Food Feeder, patented Jan. 13, 1914, by William D. Moody, Freeport, Maine. Rights acquired by H. F. Pierce, New York City. No. 1,084,584.

at the bottom, with a hole at the center to which the marginal meshes of the bag are fastened. Strings serve to support the bag in a hanging position, in which position it cannot be roosted upon, but the cabbages or whatever else it contains are within easy reach of the poultry. The patent rights have been acquired by Hubert F. Pierce, of New York City. Patent 1,084,584.

A new and convenient Poultry Marker devised by Charles O. Deist, of Ottawa, Ill., for attachment to the leg of the marked bird so as not to interfere with the circulation of the blood or

Fig. 1.

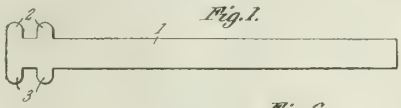


Fig. 2.

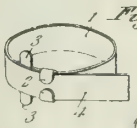


Fig. 3.



Fig. 4.



Poultry Marker or leg band, patented Jan. 13, 1914, by Charles O. Deist, Ottawa, Ills. No. 1,084,407.

injure the chick. This poultry marker is fashioned from a strip of pliable material provided upon its opposite edges and at one end with pairs of oppositely disposed primary and secondary tongues, the tongues being bent to overhang the strip, the free end of the strip being bent across the outer faces of the secondary tongues and being extended beneath the primary tongues and reversely bent to cover the ends of the primary tongues, the pairs of tongues being spaced apart. The strip is imperforate from end to end, the tongues constituting the sole outstanding elements upon the edges of the strip. Patent 1,084,407.

A Vermin-Killing Poultry Perch has

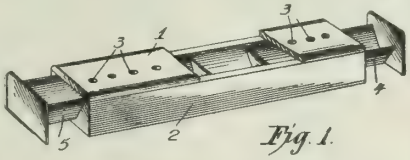


Fig. 1.

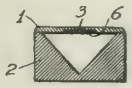


Fig. 2.

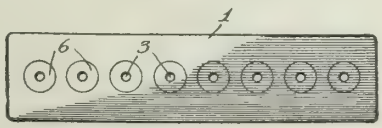


Fig. 3.

Vermin-Killing Perch, patented Dec. 30, 1913, by Morton Cooper, Bainbridge, N. Y. No. 1,082,585.

been invented by Morton Cooper, of Bainbridge, N. Y. The roost is hollow and has tin trays within it to contain a germicide for the extermination of lice, mites and other vermin that infest fowls and growing chickens. The trays are removable and may be taken out and cleansed without taking the perch from its position. The trays are V-shaped in cross section, and mounted in correspondingly shaped grooves in



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Will feed any kind of poultry feed. Adjustable to feed any amount desired. Will pay for itself in six months. Increase your egg yield 25 to 40 per cent.

8-Quart Feeder....$1.75
12-Quart Feeder.... 2.50
20-Quart Feeder.... 3.00

Rain, sparrow and rat-proof. Feeders with legs, 50c extra. Our 15-quart dry mash feeder, $1.25. Fowls can't waste the feed. Can be hung up same as the others.

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35 VARIETIES Chickens, Ducks, Geese, Turkeys, O. I. C. Hogs. STOCK AND EGGS. REDUCED PRICES. Big new Illustrated circular, better than ever. FREE. John E. Heatwole, Harrisonburg, Va.

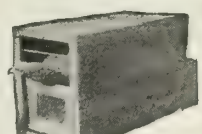
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W. A. WEBER, Box 943 Mankato, Minn.





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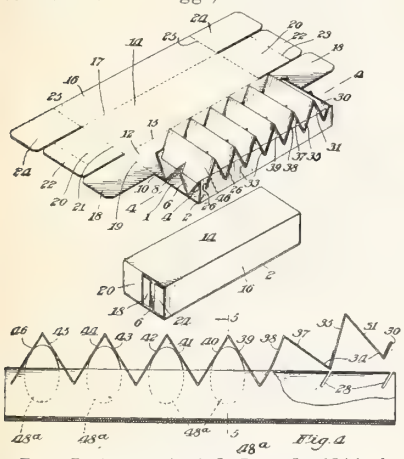
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Catarrh, Canker and other contagious diseases of poultry can be controlled and cured.
Protects Your Flock — B-K — Destroys Disease Germs
the powerful germicide—not a poison—clean, colorless. Ten times as powerful as carbolic acid but safe to use. Knocks the roup germ. Send 10c for large sample and free book "How to Cure Poultry Diseases."
General Purification Co., 625 Pioneer Bldg., Madison, Wis.

the perch. Perforated metal disk in the upper portion of the perch prevent vermin from returning to the surface of the perch. Patent 1,082,585.

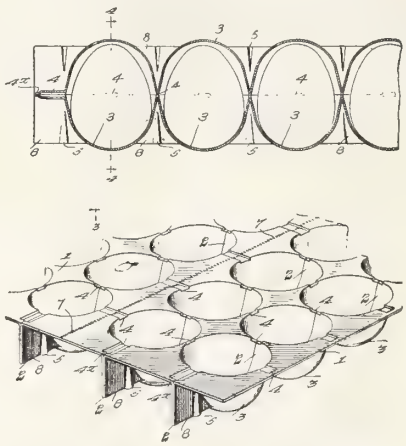
A new Carton for transporting eggs has been devised by James L. Myles, of Haddon Heights, N. J., and William L. Geddes, of Overbrook, Pa., jointly. The carton comprises a case having within it angularly disposed hinged sections forming a rack, or racks, and similar angularly disposed hinged sections forming a rack or racks extending transversely to the rack or racks first named, these hinged sections having cuts by which they are interlocked and held in position. V-shaped channels are thus formed for the eggs, which are effect-



Egg Carton, patented Jan. 6, 1914, by James L. Myles, of Haddon Heights, N. J., and William L. Geddes, of Overbrook, Pa. No. 1,083,694.

ually separated, will not move in their separated compartments, are not subject to pressure against their sides, are cushioned or protected against shock, and are conveniently placed and incased so that they can be shipped. Any usual blow or pressure will be taken up by the case before it reaches and damages the eggs. Patent 1,083,694.

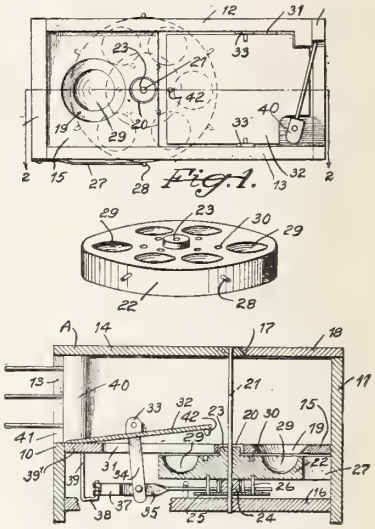
A Receptacle and Carrier for Eggs invented by Risdon Moore Odell, of Hutchinson, Kan., provides an air-tight and light-proof chamber for each egg. It comprises a bottom portion and a cover, the bottom portion consisting of a series of cell portions, each cell portion having foldable embossed halves arranged to register, integral bracing



Egg Carrier, patented Jan. 20, 1914, by Risdon Moore Odell, Hutchinson, Kans. Rights purchased by S. S. Johnson, Plainfield, Ind. No. 1,084,751.

members between adjacent cell portions, and means (which are vertically extending embossed walls) carried by the bracing members for preventing a flow from one cell to the other, in the event of any egg becoming broken. The patent rights have been purchased by S. S. Johnson, of Plainfield, Ind. Patent 1,084,751.

An interesting Automatic Hen's Nest invented by Sabert G. Oglesby, of Green Pond, Ala., makes the hen register her own laying capacity. The mechanical operation of the nest is effected by the entrance and exit of each hen. The opening of the door of the nest operates a rotatable disk and what is about to occur—that is, if the hen doesn't change her mind and go out for something to eat—is registered. Assuming the hen to be satisfied, she sits over a recess in the casing that is positioned in registration with one of the several cavities in the rotatable disk beneath, performs her day's work and retires. As she leaves the nest the forward end of the platform of the nest is depressed and all parts of the device, with the exception of the disk, returned to their initial position. The disk has been rotated so that one of its other cavities is beneath the nest ready for the next hen's egg. But this is not all. "To identify the eggs deposited in the recesses it is customary," says the inventor, "to at-



Automatic Nest for hens, patented Jan 20, 1914, by Sabert G. Oglesby, Green Pond, Ala. No. 1,084,752.

tach different colored crayon to the limbs of the hens, and the particular color crayon transferred to the wall of the disked recess during laying will serve to identify by which hen the egg in the particular recess (in the rotatable disk) was laid." Patent 1,084,752.



First Pen Cockerel, First Pullet and First Hen, Chicago, 1914—Bred, Owned and Exhibited by Eugene C. Smith, 317 Galena Boulevard, Aurora, Illinois. Mr. Smith's catalog will be sent free upon request.

A Knockdown Brooder-Coop of circular form has been invented by William Warnick and Henry L. Leilich, of Delphos, Ohio, and the patent rights in the invention assigned to the Delphos Mfg. Co., Delphos, Ohio. The coop is capable of being easily and quickly set up or knocked down, and, when knocked down, of being packed in compact form for storage or shipping. A plurality of side wall sections are employed, having vertical telescoping interlocking rolls, whose edges extend angularly inwardly

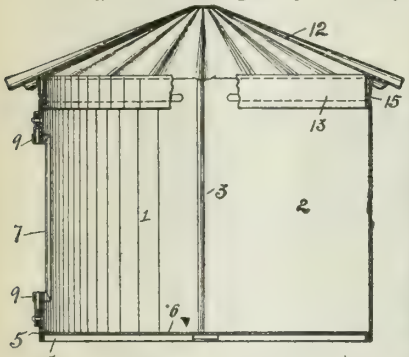
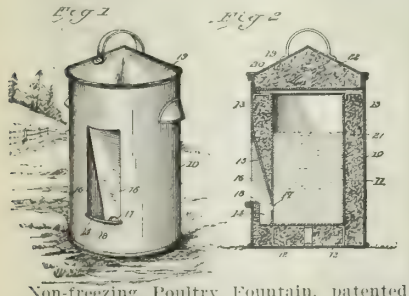


Fig. 4.

K. D. Brooder Coop, patented Jan. 6, 1914, by William Warnick and Harry L. Leilich, Delphos, O. Rights assigned to Delphos Mfg. Co. No. 1,083,572.

into the rolls. These edges are adapted to frictionally engage with each other when the side walls in the vicinity of the rolls partake of a true cylindrical form. A circular bottom and circular cover are also provided. The cover has a circular flange to fit within the side sections. It is preferably of cone form and corrugated radially. Patent 1,083,572.

A winter Poultry Fountain devised by Arthur A. Wester, of Boone, Iowa, has a reservoir surrounded by suitable non-conducting material to keep the water from freezing. The fountain has an opening at its side where the water is supplied to a trough located below the opening of the reservoir. Above it is a sloping side wall. The fountain has a removable cover, which also is packed with non-conducting material. The atmospheric pressure on the small quan-



Non-freezing Poultry Fountain, patented Dec. 30, 1913, by Arthur A. Wester, Boone, Iowa. No. 1,082,921.

tity of water in the trough will retain the mass of liquid within the main reservoir so long as the liquid in the trough is sufficient to maintain the orifice or opening to the trough closed. Patent 1,082,921.

An Egg-Turning Tray for Incubators has been invented by Henry A. Templeton and Alfred A. Bailey, of Sultan, Wash. The hen's own highly scientific method of hatching includes the turning and moving about each day of the eggs which she is incubating. In fact, she gradually works them from center to circumference of the brooding area

BUFF AND WHITE ORPINGTONS

THE ELMWOOD STRAIN

THE STRAIN OF LEAST RESISTENCE

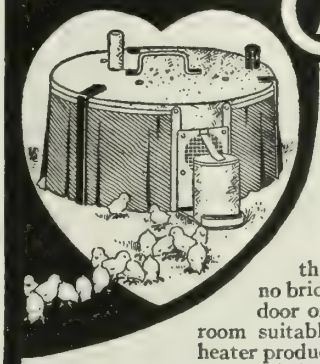
BUFF ORPINGTONS. Cockerels that are blocky, broad, deep and massive, full of vigor, strong in under-color, strong in head points and type, and a rich, even, lustrous shade of buff, as soft as moonlight. Won more points at the New York State Fair than any other exhibition. Almost a clean sweep at Albany. They always win. It's in their breeding.

WHITE ORPINGTONS. Some very high-class cockerels to spare. I know we've got what you want I know, too, you can pay more elsewhere than I ask, but you can't get better blood lines, or quality. Book your order early for eggs at 50c each. A few baby chicks also. I guarantee to please.

THE ELMWOOD FARMS
A Busy Place

J. D. KEYWORTH, Prop.
Hudson Falls, N. Y.

CAN WE HELP YOU?



Raising the young chicks is the hardest part of the Poultry Raising Game. That's just why we are devoting our whole time and energy in helping to raise them and we want to help you raise a larger percentage of your chicks this season than ever before. We manufacture the

Ideal Portable Hover

the perfect chick mother that sets on a level floor with no bridges for chicks to climb; it can be used in an outdoor or indoor brooder colony house, hen house or any room suitable for brooding young chicks. The double drum heater produces 15% more heat than any single drum heater; the automatic lamp was especially designed for a Portable Hover. Oil fount outside of lamp box; oil always cool; this lamp will never smoke. The Ideal is 24 inches in diameter, all metal but double curtain and will brood 100 chicks. Regular price $7.00, but we are anxious to have you try this Hover and we are making a special price of $6.50 each. Send $1.00 and we will ship by express C. O. D. We also sell the QUEEN INCUBATOR in connection with the Ideal Hover. Get our Special Combination Offer.

12 Months' Course in Practical Poultry Raising

Free to our customers. Lessons are mailed out each month. Our one lesson on artificial Incubation and Brooding will give you some pointers never told before that will make chick raising a pleasure instead of the old, old story of, I can hatch them but don't have very good luck raising them. We mean just what we say about wanting to help you. Will you let us? Drop us a card. We will tell you all about the Ideal Hover, Queen Incubator and the 12 Months' Course and if you will mention this paper we will include a Copy of How to Raise 90% of Your Chicks. Yours for more chicks.

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THERMOMETERS NEVER VARY

"AEM" embossed on a Thermometer is an absolute **guarantee** of selected **materials**, skilled **workmanship**, thorough **testing** and unquestioned **accuracy**.

When you are buying an incubator, brooder or hover, see that it is equipped with the **"AEM"** Thermometer. **Don't take chances.** Remember, an inaccurate thermometer may "cook" or "chill" your hatches, causing a loss on a single setting that would pay for more than a dozen **"AEM"** Thermometers, the thermometer that **never varies.**

If your dealer can't supply you with an **"AEM"** Thermometer or Hygrometer, **refuse every other kind** and order direct from us.

These Are the Prices, Postpaid:

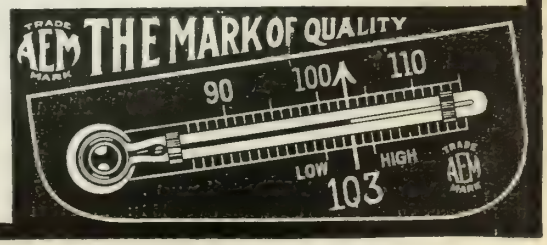
"AEM" Thermometer for any Incubator	**$ .75**
"AEM" Thermometer with Patent Electric Light Attachment	**2.50**
"AEM" Certified Incubator Thermometer	**1.00**
"AEM" Brooder or Hover Thermometer	**.75**
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Special Prices in Quantities

Millions of chicks die in the shell because of improper moisture regulation. Use an **"AEM" Hygrometer** and always know exact amount of moisture in your incubator, and **get bigger hatches** of bigger, more **vigorous chicks.** Price $1.25 postpaid.

A. E. Moeller
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Established 50 Years—We make more than a thousand different thermometers for all purposes. Write today for **Free Illustrated Booklet and price list. Important!**



FREE Illustrated catalogue on White House Strain of Trap-Nested S. C. White Leghorns, Hatching Eggs and Day-Old Chicks. Limited number of Silver Campine Settings.

A. PIEZ & SON, White House Poultry Farms HAMMONTON, N. J.

Poley's World's Best Buff Rocks

Again Win First Display at Madison Square Garden, N. Y. Dec. 1913

By winning 1st Cockerel, 1st and 4th Pens, 2nd Pullet, 3rd Hen and shape and color specials. Stock and Eggs always for sale. Write for 1914 mating list.

LINFIELD POULTRY FARM John W. Poley, Prop. LINFIELD, PA.

FRITZ'S BARRED ROCKS

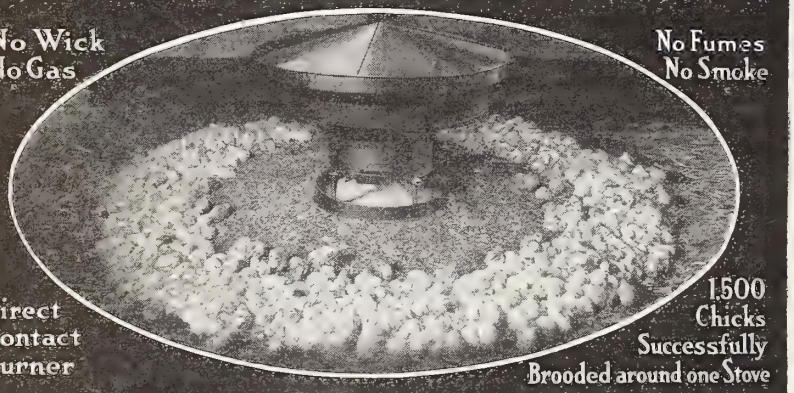
Have won their way to distinction in the keenest competition in the Middle West. Their winnings include Quincy, Alton, Indianapolis and the Illinois State Show.

I still have a few extra quality birds for disposal

Book your **Egg Order** now from my specially mated pens. Mating list mailed **free** on application.

CHAS. C. F. FRITZ -:- STAUNTON, ILLINOIS

SIMPLEX



BROODER STOVE

How many of YOUR chicks LIVE?

With a Simplex Brooder Stove you can actually RAISE 20 per cent to 50 per cent more chicks than by any other method—and save 75 per cent of your operating expense and 90 per cent of your time. Do you know as good a way to PROFIT?

You don't want to experiment—you want to know. Here's the **knowledge** you want. The Canadian Government has done the experimenting. It moves slowly and Surely. It has to know before it plunges, just as you are saying you must know. It tested all methods in every imaginable way and finally tied to the Simplex for all Canadian Experiment Stations, increased the the equipment and is planing to still further increase the number of Simplex Brooders at each Branch Farm.

Dominion of Canada, Dep't of Agriculture
Central Experimental Farm
Ottawa, Canada

Simplex Brooder Stove Co.
Grand Rapids, Michigan

We have put in one or two more Simplex Brooders at several of the branch farms throughout the Dominion. Would like house plans and F. O. B. Grand Rapids prices.

V. C. Eifard,
Dominion Poultry Husbandman.

The Simplex can be used in most any room. It is built by experienced and practical poultrymen who originated it purely to raise their own chicks. They are offering it to others on the word of scores of users who are thankful for it. They have had it built right—not flimsy cheap construction nor expensive fuel upkeep. All the things you'd ask a neighbor who had one are answered in a perfectly frank catalogue and this will be sent by next mail for a request on a postal.

SIMPLEX BROODER STOVE CO.
220 Fourth St., N. W. Grand Rapids, Mich.
Sign name and address below and Cat. and letters will be sent

Here's the Proof

The "Simplex" Eliminates White Diarrhoea- Read this letter, it proves that we know what we are talking about when we say the "Simplex" will prevent White Diarrhoea.

Chicago, Ill.,
April 9, 1913.

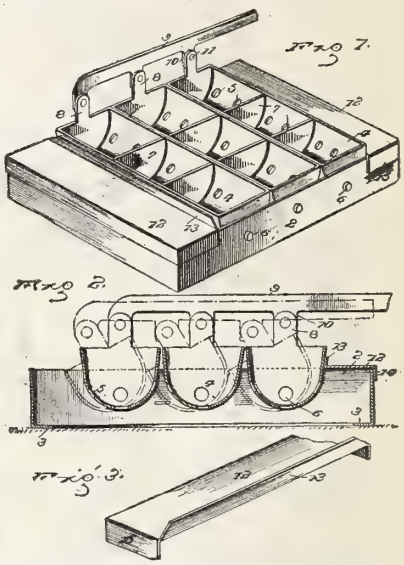
Simplex Brooder Stove Co.,
Grand Rapids, Mich.

Gentlemen:—

Enclosed please find my check for $29.50 in payment for Brooder Stove shipped me on the 7th. This is the second stove I have purchased from you this season, and of course the last one is purchased because the first one is doing the work. The stove works entirely satisfactory, and does all that you claimed it would do. I believe you have solved the bothersome problems in brooding. The stove has eliminated White Diarrhoea from which I sufferred heavy losses, losing 50 per cent of my hatch. The losses with the stove have been very small.

Very truly yours,
Judge J. C. Everett,
Farm at Holland, Mich.

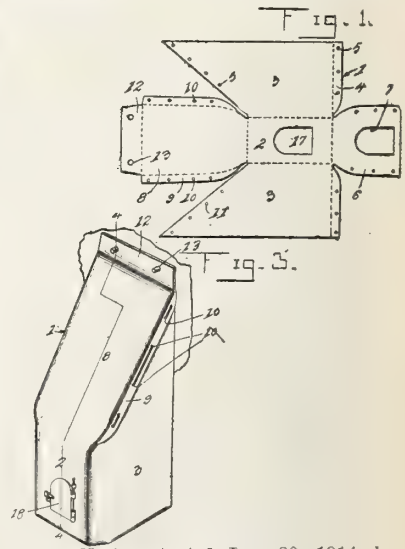
and then back again. Recognizing the need for turning eggs during incubation, in emulation of the methods of the hen, these inventors have provided an open frame with a plurality of egg-supporting trays arranged side by side and mounted for oscillation in the frame, and combined stop members and platforms detachably engaging the frame and having upwardly directed



Egg Turning Tray for incubators, patented Jan. 6, 1914, by Henry A. Templeton and Alfred A. Bailey, Sultan, Wash. No. 1,083,469.

flanges bearing against the outer trays and holding them in vertical position. Patent 1,083,469.

A Covered Hen's Nest invented by Louis F. Reichardt, of Massena, Iowa, is formed of a single sheet of material. It has a steeply inclined top that would insure a toboggan slide to any hen attempting to roost on top of it. The

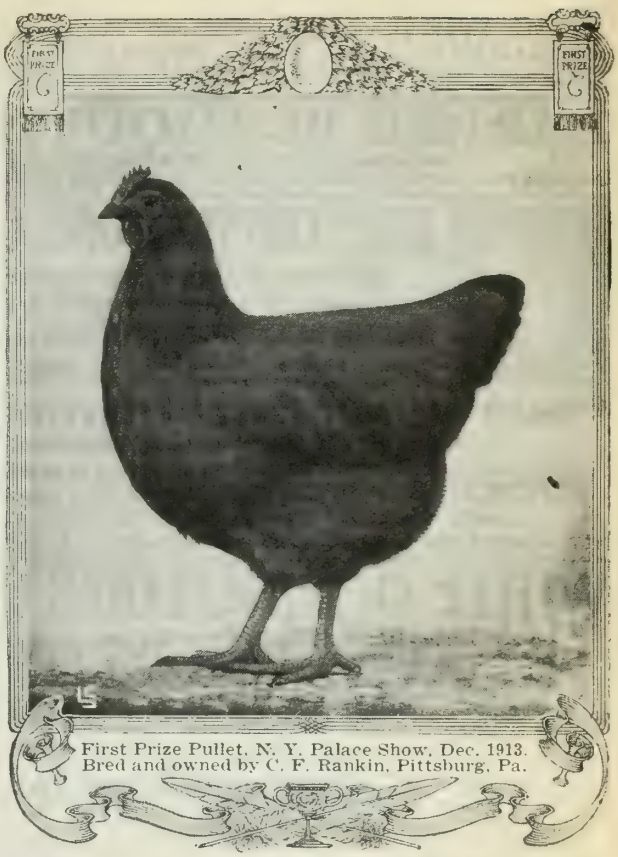


Hen's Nest, patented Jan. 20, 1914, by Louis F. Reichardt, Massena, Iowa. No. 1,084,963.

accompanying illustration makes further description unnecessary. Patent 1,084,963.

A Hot-Water Heating System for Incubators devised by Loren W. Emler, of Rawlins, Wyo., is designed to effect constant and even circulation of the hot water and provide for perfect drainage of the water pipe. In an incubator





First Prize Pullet, N. Y. Palace Show, Dec. 1913.
Bred and owned by C. F. Rankin, Pittsburg, Pa.



At the Indianapolis Show, February, 1914, Mr. Ralph Woolery of Bloomington, Ind., had a pair of White Orpingtons on exhibition (not for competition) that attracted great attention. We show the two birds here just as the camera took them. The picture speaks for itself. The high quality of the birds is very much in evidence and a tribute to Mr. Woolery's skill in producing them. His new catalog is just off the press and will be sent free.—L. A. Stahmer.

$1.50 F.O.B. Your Door — Brings You Rappleye's Special FEED HOPPER

It holds two full bushels—is round—feeds from all sides—it will not clog—will feed twenty small hens at the same time—they can't soil or hook out the feed. Send cash or money orders—no checks. F. A. RAPPLEYE, INTERLAKEN, NEW YORK

BARRED PLYMOUTH ROCKS

Acme Strain—None better. Write for mating list and winnings.

ACME POULTRY YARD, C. A. GIFFORD, PROP., RUSK, TEXAS



BUFF and WHITE.... ORPINGTONS OF QUALITY

SILVER CAMPINES—Champion Strain

A few birds to spare of extra quality at reasonable prices. Also

EGGS FOR HATCHING From pens including all of my noted PRIZE WINNERS. Write for Catalog and price list—it's free.

C. A. KEEFER (AJ5) MUSKEGON, MICHIGAN

"Sunburst" Buff Plymouth Rocks

America's Champion Winning Strain

At Cleveland, O., Club Show we won—Pen 1st, cockerel 1st, hen 5th, pullet 1st, and best display.
At Beaver State Club Show we won—All five first prizes.
Our Display at Both Pittsburgh Shows were the sensation of the show.

STOCK FOR SALE. EGGS FROM CHOICEST MATINGS. LIST FREE.

VIERHELLER BROS., 17 Sylvania St., Pittsburgh, Pennsylvania

WHITE ORPINGTONS Winners of MORE THAN HALF of all FIRSTS at FIVE LEADING ILLINOIS SHOWS.

Latest Winning, Decatur, Illinois, 1914—1st cock; 1st, 2nd, 3rd, 4th cockerel; 2nd, 3rd, 4th hen; 1st, 3rd, 4th pullet; 1st pen. Cup for best pen. Cup for best display in English class. All this on an exhibit of eleven birds.

WRITE FOR MATING LIST AND PRICES ON STOCK

T. A. SCOTT -:- -:- BETHANY, ILLINOIS

EGGS FOR HATCHING **S. C. Buff Orpingtons** WRITE FOR MATING LIST

Winners at Allentown, Hagerstown, Pottsville and Washington, D. C.
Headers of Division in N. A. Egg Laying Contest, Thorndale, Pa.

Stock for sale. Old Forge Poultry Farm. Spring Grove, Pennsylvania

Silver Campines of Quality

Winners at the Great Boston Show, 1914

WE WON

1st COCKEREL	4th PULLET
2nd COCKEREL	6th PULLET
3rd EXHIBITION PEN	

Stock and Eggs for sale. Write for Circular.

GEO. L. FISH -:- Wayland, Massachusetts

HILLDORFER'S

JUMBO S.C. BLACK MINORCAS

Great Layers Great Size Great Quality

They Win at the Club Show, Pittsburgh, Pa., January, 1914
In the Greatest Class Ever Shown, 241 Birds Competing

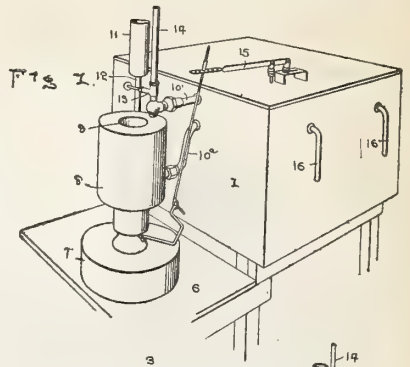
Championship special for best display, cock 1-2, cockerel 1-3, hen 3, pullet 1-3-8, pen (old) 4th, young pen 3-7, several silver cups and specials, making the best record ever recorded against the best birds ever brought together at any show.

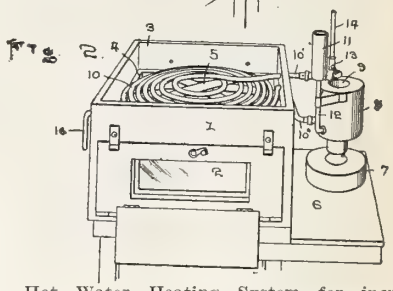
1,000 Select Breeders For Sale

Eggs from choicest matings. Mating list free.

Hilldorfer Black Minorca Farm -:- Saxonburg, Pennsylvania

comprising a hatch chamber and a heating chamber above the hatch chamber, this inventor provides a partition between the chambers comprising a frusto-

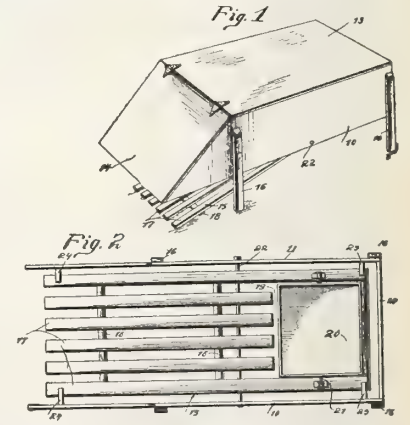




Hot Water Heating System for incubators, patented Jan. 6, 1914, by Loren W. Emler, Rawlins, Wyo. No. 1,083,674.

conical coil having its apex uppermost and above the central portion of the chamber, a boiler, a flow pipe from the boiler connected with the apex or highest coil, and a return pipe connected with the bottom or lowest coil. For supporting the frusto-conical pipe coil he uses a plurality of upwardly bowed strips. Patent 1,083,674.

A Hen's Nest invented by McDonald Alexander, of Birmingham, Ala., includes a box having an open bottom, legs supporting the box in raised position, and a tilting platform pivoted to as deep as you can go with the spade. With fork and rake work the soil up the box to form a closure for the bottom. The platform has an opening ad-

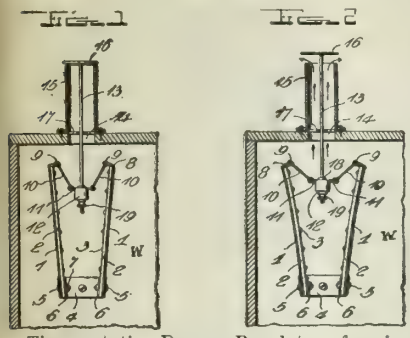


Hen's Nest, patented Jan. 13, 1914, by McDonald Alexander, Birmingham, Ala. No. 1,083,980.

jacent one end. A nest box is pivotally supported in the opening of the platform and arranged to permit one edge of the box to be swung below the platform to permit access to the box. When occupied there is no opportunity for other hens to crowd into the nest, as the entrance is closed. Patent, 1,083,980.

N. P. B. Ellegaard, of Petaluma, Cal.,

has patented a Thermostatic Damper-Regulator for Incubators, having an improved support for the thermostatic plates whereby they are caused to stand nearly upright and to normally diverge slightly toward their upper ends. He



Thermostatic Damper-Regulator for incubators, patented Dec. 23, 1913, by N. P. B. Ellegaard, Petaluma, Cal. No. 1,082,115.

also employs an improved weighted toggle-lever connection between these upper ends so that they are normally drawn inward to a slight extent and when they are spread apart under the action of heat the result of such action will be felt at first more decidedly by the damper and later less decidedly. Patent 1,082,115.

An Incubator recently patented by Cheves Bevill, of Waldron, Ark., has a rotatable egg holder. The eggs are supported within a plurality of channels formed on the periphery of a cylinder mounted within the incubator. In this way the eggs may be moved from one

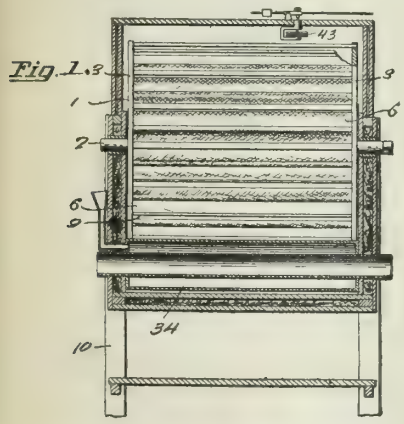
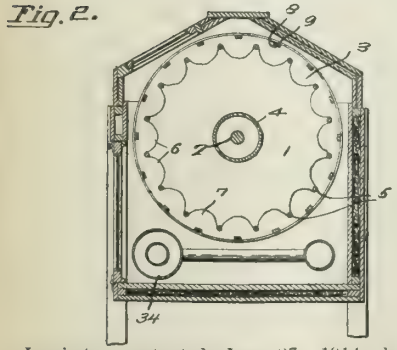


Fig. 2.



Incubator, patented Jan. 27, 1914, by Cheves Bevill, Waldron, Ark. No. 1,085,527.

position to another within the incubator from the outside, without opening a door or subjecting the interior of the incubator to a dangerous change of temperature in order to move the eggs. Patent 1,085,527.

SILVER WYANDOTTES

THE BEAUTY & UTILITY BREED
THE BEST WINTER LAYERS
STOCK FOR SALE AT ALL TIMES
NO EGGS NOR BABY CHICKS

A. E. TARBOX, BOX A, YORKVILLE, ILL.

SILVER CAMPINES

Our Campines won at Aurora, Ill., cockerel, 1st, 2d and 4th; hen, 1st; pullets, 1st and 5th; pen, 1st on nine entries. We have 75 choice cockerels and pullets for sale in single cockerels, pairs, trios or pens. Also a choice lot of Wyandottes, including some of our Baltimore and St. Paul winners. Let us quote you prices.

R. C. Rhode Island Reds

EGGS $15.00 EGGS $10.00 EGGS $5.00 PER 15

From our NEW YORK, BOSTON, CHICAGO AND PITTSBURGH Winners

A chance of a lifetime to get eggs from winners at America's greatest shows at a reasonable price. Every bird in these matings a dark rich brilliant red specimen. A few choice breeding males and females for sale at living prices. Don't fail to send for our beautiful illustrated egg catalog. It is free.



SIMMONS & CRITTENDEN : GENEVA, OHIO

KLINGBEIL PARTRIDGE ROCKS

The Great Fancy and Utility Strain

Winners at New York, Boston, Providence and other leading shows. They have the show record as well as the quality record. Bred in line for greatest value. Eggs for hatching from special mated pens $5.00 per 15; from run of the flock, $3.00 per 15. Also Baby Chicks. Send for mating list. Also some very fine mated pens and cockerels for breeding.

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PAUL KLINGBEIL, Prop. Sec'y and Treas. Partridge Plymouth Rock Club WALPOLE, MASS.



Are You Sending Your Eggs by Parcel Post?

Rates were reduced January 1st. Ship your eggs in a REGAL EGG CARRIER. The up-to-date and reliable way. Used by noted breeders, judges and experiment stations. The Automatic Mail Exchange Co. says:

"We have not found anything which can be in the least construed as a competitor of the Regal Egg Carrier for safe handling of eggs by Parcel Post."

It takes but a moment to pack a Regal when it is ready to go to any part of the country. It is what you want. Send now to

B. W. Plane, Box 5, Belvidere, Ill.

$1.80 per dozen, $6.50 per 500, $12.00 100.



Number 4 Did It

5 lbs. **Prescription No. 4** contains more egg-making material than a ton of oyster shell and 25 lbs. beef scrap combined. It has been known to **double** egg production. It **insures** fertility in eggs, vitality in chicks, and **health** in mature stock. It is par excellence for ducks. For large frames and rapid growth in chicks feed No. 4, 5 lbs., $1; 1 lb., 25c.

Baked Biscuit Meal—A cooked, baked, granulated life-saving chick feed. 5 lbs., 25c.

Prescription No. 5 Prevents White Diarrhoea. Big box, 25c.

Prescription No. 3 Cures White Diarrhoea. J. C. Fishel says, "It does the work." Big box, 25c; box of both No. 3 and No. 5, 40c; both and 5 lbs. Baked Biscuit Meal, 65c.

Vegetable Beef Scrap—A concentrated, predigested, high protein pure food, to take the place of common beef scrap. 10 lbs., enough for 300 lbs. of mash, $1.00; 20 lbs., $1.75.

Grito—A concentrated, predigested organic lime in grit form for pigeons. 1 lb., enough for 100 lbs. good grit, 45c; 3 lbs., $1.

Insist on your dealer getting these and thus save transportation charges.

These products are guaranteed, and if not satisfied after using, your money will be refunded.

Orpingtons, Rocks, Reds, Wyandottes, Leghorns, and **Campines,** silver and golden—Kennedy Lewis Jones strain. Eggs and chicks at reasonable prices.

Brooder Stoves and Incubators. Write. We may be able to save you 10 per cent.

THE NABOB REMEDY CO.

Box A Gambier, Ohio

STAFFORDDALE FARM
PLYMOUTH, - MASS.

Morrison's S. C. Reds have won wherever shown **Blue Orpingtons.** 6th Cockerel at Boston, January, 1914, heads our best pen. **Silver Penciled Plymouth Rocks.** Winners of the blue at several shows. EGGS. **J. L. Morrison**

ZIMMERMAN'S R. C. REDS
Won at Cleveland, January, 1914, 1st Cock and Color Special; 2d and 3d Pullet and 5th Hen. Grand Pens mated for egg trade. Send for mating list. Mention American Poultry Journal.
W. F. ZIMMERMAN - - - - WILLOUGHBY, OHIO

43 Varieties
Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.
MISSOURI SQUAB CO. Dept. R KIRKWOOD, MO.

ANCONAS
Crede's Superior S. C. Anconas, winners at Illinois State Fair, 1913, and the Great Coliseum Show, Chicago, 1913; also First, Fourth and Fifth Cockerels and First Pen, Elgin, 1914; 2,000 birds in show. Cockerels, day-old chicks and eggs in season for sale.
WM. CREDE 670 Slade Ave. ELGIN, ILLINOIS

E. A. Webb's Barred Rocks Win at St. Louis, 1913
First and second pullet, special for best shaped female, also second pullet mated cockerel. **At Illinois State Show, 1914,** fourth cock, third exhibition pullet, third cockerel bred pullet, third cockerel bred hen. I have 50 grand cockerels and a few pullets for sale. I will sell eggs from 6 of the greatest pens in America. My birds are pedigreed and line bred. Satisfaction guaranteed. Ask for free circular. **E. A. WEBB, Ewing, Ill.**

Miss Hooker's Orpingtons, Buffs and Blues
At Springfield, Mass., in December, my birds won the Display Special in both Buffs and Blues—175 Buffs and 43 Blues competing. **Judged by Richard Oke at Madison Square, N. Y.** My winnings were 1st and 2d hens, 3d pullet, 2d pen in Buffs, 2d and 5th hens in Blues. Free mating list, illustrated, on application.
15 Buff eggs, $5 to $20. 15 Blue eggs, $5 to $10
Henrietta E. Hooker -:- -:- South Hadley, Massachusetts

Perfection Blue Barred Rocks
Chicago, Davenport, Cedar Rapids and Aurora Winners of 1913 and 1914
I have 8 fine pens mated now. EGGS, $2, $3, $4 and $5 per 15. Quality eggs and a quantity hatch assured. Book your orders now. It pleases me to please you.
S. N. TREMPER, LOCK BOX 738, SANDWICH, ILL.

S. C. White Leghorns — **S. C. Rhode Island Reds**
Barred Plymouth Rocks — **Imperial Mammoth Pekin Ducks**
Eggs for hatching. Day-old chicks and ducklings. Excellent stock to breed from. Winners at Madison Square Garden and Grand Central Palace, New York City, December, 1913. Exhibition and utility stock. A few more good Barred Plymouth Rock cockerels for sale.
C. H. BEEBE SADDLE RIVER, N. J.

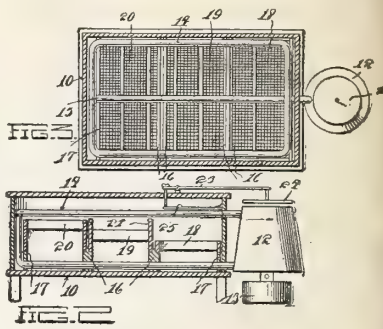
BUFF ORPINGTONS, COOK STRAIN
Eggs for sale from prize-winning stock. Will pay parcels post on orders received in February and March,
VICTOR L. ADELMANN, R. F. D. 1, Beardstown, Illinois

World's Best S. C. Black Minorcas and Canada's Best S. C. Reds
At the American B. M. Show, 1910-1911 and 1911-1912, I won the Club cup for best collection. This, with our great wins at the largest shows on the continent, constitutes a record unequaled by any other S. C. Black Minorca breeder on the continent A limited number of Eggs for sale at $10 per 15. No mating list. Please send for circular and testimonials. I please my customers.
T. A. FAULDS LONDON, ONTARIO, CANADA
President of Black Minorca Club of Canada.

Sunrise Poultry Yards
BUFF ORPINGTONS
have won the highest honors at the leading shows, including Michigan City, Ind., Niles, Michigan, and South Bend, Ind., establishing beyond all doubt their claim to supremacy by defeating all competitors. A grand lot of exhibition and utility stock for quick disposal. Book your egg order now from our prize winning pens.
J. S. & C. A. BARTON Member National S. C. Buff Orpington Club SOUTH BEND, IND.

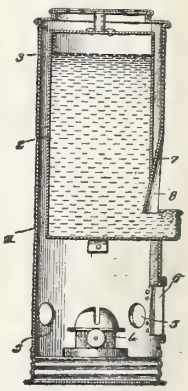
Pure-Bred, Prize-Winning Columbian Wyandottes
I keep only the Columbian. Utility Birds and Winners. A few grand Cockerels for sale. Eggs for Hatching at $2, $3 and $5 for 15. Send for mating list. If you are interested in a heavy laying strain, write
Rev. Alfred W. Budd -:- North Brookfield, Mass.

An Incubator which is the invention of Ira R. Jones, of Utica, Miss., has a novel arrangement of the trays, for the purpose of insuring uniform temperature throughout the area of the incubator body. The trays are arranged in stepped relation. Patent 1,084,345.



Incubator, patented Jan. 13, 1914, by Ira R. Jones, Utica, Miss. No. 1,084,345.

A Drinking Fountain having a lamp at the base for keeping the water from freezing in winter, invented by Charles Heer, of Peoria, Ill., is in other respects similar in operation to the Wester fountain heretofore described. A laterally extending part at the lower end of the reservoir forms a cup which is automatically filled. Patent 1,085,418.



Drinking Fountain, patented Jan. 27, 1914, by Charles Heer, Peoria, Ills. No. 1,085,418.

Taylor's White Rocks
Won First and Champion Pullet at Illinois State Show, Jan. 6-10, 1914; also 2nd Cock, 3rd Cockerel and 3rd Hen. A few choice cocks and hens left. Three grand pens mated. Eggs for hatching. Will be glad to answer all inquiries.
H. E. TAYLOR -:- PETERSBURG, ILLINOIS

Buy Certified, Inoculated Black Orpingtons
No Roup! No Sickness! Success Sure!
From this day on we will offer all exhibition and breeding quality Black Orpingtons that have been treated by this wonderful serum and new treatment, which guarantees a sure preventive for roup and all kindred diseases that are the bane of the poultryman of today.
Write at once for new Mating List and circular describing above treatment.
A winning strain. Hundreds for sale.
J. T. ADAIR, Black Orpington Specialist
Millersburg, Bourbon Co., Kentucky

Pacific Coast Department

Conducted by H. H. Collier, Tacoma, Washington.

TO tell the east and middle west about Miller Purvis is like carrying coals to Newcastle. But we have him with us and, of course, must tell our readers about him.

Miller came west some years ago. He landed in Los Angeles and he told them down there that California had the greatest climate of all. If you have ever been west (Pacific Coast) about the first thing the people will ask you is, "How do you like the climate?" Most of the east and middle west boys will, of course, flatter us and say it is fine, even if they have not seen the sun shine since they arrived or gotten a glimpse of our surrounding mountain scenery. To us this climate proposition is a big thing. Our death rate is so low that it is hardly worth printing and we are so well pleased with our country we imagine that everyone else should be.

As I said before, Miller came to Los Angeles and he was just about ready to write home for his blankets when a son of his wrote him not to lose his head but to come to southern Idaho. Miller went and landed in Wendell, about twenty miles from the main line of the Oregon Short Line, a part of the Union Pacific system. He had not been there but a few days before he was telling the Idaho people that it was the finest climate he ever saw. And that is not the worst of it. He told this story so much that he began to believe it himself and he sent home for his blankets and has been there ever since.

Up around Wendell it is a new country. The people who have gone in there made the country blossom like a rose and one can raise anything that his heart desires, from alfalfa hay to chickens. Potatoes seem to be a natural crop and fruit does splendidly, in fact, the apples around that section seem to be a little "redder" than in any other country, unless the Yakima and Wenatchee country of Washington be a little bit ahead in that respect. In coming west Miller had good health and today he is unlike former President Taft, who recently was forced to have thirty-seven pairs of trousers cut down, Miller was forced to have his enlarged. But unlike Taft, Miller never had thirty-seven pairs of trousers in his life.

Since coming west Miller Purvis has broken into the judging game for fair. He says that he does not want to judge but it is noticeable that he takes on a bunch of shows each year and what is better he seems to be able to give satisfaction wherever he has judged a show.

There is something about Miller Purvis that seems to give him a confidence second to no one and his writings on poultry of the northwest are read by everyone and everyone loves to read his "stuff." Another thing about Miller, he is one of the best single hand talkers in the country and when it comes to addressing the members of the Y. M. C. A. on the subject of poultry, he has no peer. Let him get started on the subject and he soon grinds out a bunch of "stuff" that will convince the most skeptical that the poultry business is the only "game."

Miller says that he has never seen a single standard bird that would satisfy him. His old-time friends knew him as a breeder of Brown Leghorns, but these are not the only birds that he breeds. He came down from Wellington the second week in January to the big Walla Walla show where he had

Above All—The Henderson Strain

AMERICA'S FOREMOST

Barred Plym. Rocks for Exhibition and Utility

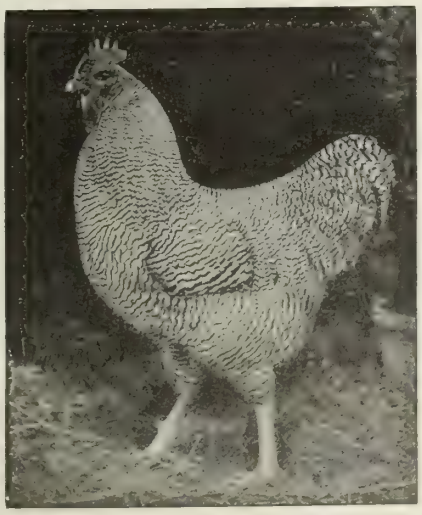
Madison Square Garden, New York, Chicago and St. Louis Winners

This grand strain is large framed, with wonderful type, has long, deep bodies, broad backs, well spread tails carried low, and that snappy distinct barring to the skin, that wins in the best of competition.

My first prize cockerel and grand champion male at Chicago 1912 in a class of 54 of the best in the world proves that my strain carries the maximum of quality in Barred Rocks today. His type and barring created a sensation among Barred Rock breeders of the world. A number of his wonderful sons will head my 1914 breeding pens.

When you start to make up your breeding pens this year and find that deficiency which you desire to overcome, **remember that I have the strongest lines of breeding Barred Rocks in America**, and can furnish males and females with the quality desired to balance the pen and improve the progeny.

My **Barred Rocks** have won consistently at all the large national shows for the last 20 years in all competition as a result of being line bred and pedigreed. Compare my winnings with those of any other breeder and form your own conclusion as to who has the best producing strain.



First Prize Pullet Bred Cockerel, Coliseum, St. Louis, 1913

For the season of 1914 I will mate 50 breeding pens in both my **Cockerel** and **Pullet lines**, from which I will furnish eggs for hatching at prices quoted in my mating list and catalog which describes each individual specimen that I will have in breeding. These pens will contain my Madison Square Garden, N. Y., Chicago and St. Louis winners and their descendants. The inherent characteristic quality as bred in the **Henderson Strain** both in the Cockerel and Pullet lines, and demonstrated by their public record in the best show rooms in America, enables me to mate for the season of 1914 the strongest breeding pens of **Barred Rocks** in the world.

Write for my new Catalog-Mating-List which minutely describes these pens and **the largest exclusive Barred Rock farm in the world.**

SATISFACTION GUARANTEED

W. W. HENDERSON, BRIDGETON, ST. LOUIS COUNTY, MISSOURI

the honor of winning the first young pen in Buff Rocks under J. H. Drevenstedt. Any time that you desire information about southern Idaho write to Miller Purvis. He has bought a typewriter (that is, a machine) and the way he will hand you the good things about his chosen country would make cloudy weather look like sunshine and "dunghill" fowls look like New York winners. He has picked up a pile of flesh since he came west and one would not be surprised to hear that he had traded trousers with Taft, that is, if he ever gets enough so as to be able to make the exchange.

Someone asks in the American Poultry Association bulletin if we want color disqualifications in the next Standard of Perfection. I for one am in favor of disqualifying where a bird shows off colored feathers, in white birds, all varieties. Brown Leghorns, Partridge Rocks and Wyandottes, all black fowls. Having bred all of the above varieties I have found white or black in plumage a breeding defect. The Standard should protect all breeds by disqualifying for all defects that will breed back.

I am not ready to disqualify buff birds for having off color, for the reason that we have not reached that stage where we can afford to do so. But I would put in a clause in the Standard of Perfection something like this:

"Where a buff fowl shows clear buff in wings and tail and is free from black and white in any section, everything being equal, the solid buff birds should win." (This winter I exhibited a solid buff pullet that had gone a little by being ripe and she was let down and a pullet with a lot of black in her tail won first. My bird would prove the best breeder and had she been in her best plumage would have had that heightened color that was shown in the winning pullet in her neck and back.) "Everything being equal, the bird showing the most life in its plumage should win."

This section may not be worded just to suit the Standard makers but I believe that words to that effect should be used. It is hard to get a solid buff, much harder than it would be to get a bird good in back and breast and at the same time weak in tail and wings. The wings of buff are coming very good. We are having little trouble in getting buffs with solid colored wings and my Buff Rocks this season are remarkably free from white or black in wings. In fact I will not breed a pullet this season with black or white in wings and I will have several that show no black or white in tail.

Another question is asked in the bulletin: "Do we want to leave symmetry out of the Standard." I for one say yes. I believe that symmetry is a good section where score cards are used but there are a lot of judges who have American Poultry Association licenses that will not use the section. I judged a show in Colville, Wash., where I followed another judge. The breeders had his cards at the show and not one of them showed where he had used the symmetry section. In other words, from his card each and every bird was pronounced absolutely perfect in this section. Some of the judges insist that if one cuts a bird in symmetry and other sections that do not conform to type, then he cuts the fowl twice for the same defect. Personally, I would rather not meet this controversy in shows where I meet the other judges' cards that do not use the section.

I shall always favor the score card, simply because I consider it the best method yet devised for awarding prizes on fowls. It makes the judge know his Standard section by section. He knows how much each section is worth and values it accordingly, whether he is judging by score card or comparison.



"SUNLIGHT"
POULTRY FARM S·C·W·LEGHORNS

(D. W. YOUNG STRAIN)

Greatest Known Layers

Day-Old Chicks Hatching Eggs And Breeding Stock

Bred from Range Grown Birds

It's Not How Many You Buy, It's How Many You Raise That Spells Success

Sunlight Poultry Farm's chicks are livable chicks, as well as quality chicks, because they are bred from quality birds that have vitality, stamina and the best laying qualities bred into them. They are the chicks that will develop into robust cockerels and pullets, that will please you. Not a yarded breeder on the farm, but just a large flock of breeders, out on unlimited range, housed in open front houses. Is it any wonder that I get such good fertility in my eggs and such strong, healthy chicks?

A Few Choice Breeding Cockerels Left

that must be sold at once at $2.00 and up. I can make you most attractive prices on pairs, trios or pens. Read what one party says about my stock and plant:

Mr. E. N. Lemon, Lynchburg, O.
Dear Sir:—After returning home from a two weeks' tour of poultry farms in Southwestern Ohio and retracing my steps and looking over my notes, I have quite a few words of praise for your plant, of which you are no doubt justly proud.
I believe with your mammoth Candee Incubator (5400 egg capacity), and considering your plans and methods of handling eggs during incubation, you show that you are absolutely up-to-date and in a position to do a big "Day Old Chick" business.
Your plant looks good to me, being the best looking and the most convenient colony house system I saw anywhere on my trip.
Your stock, too, looked especially good, there being no droopy birds in evidence; this perhaps is due to the extreme cleanliness of your plant from start to finish.
Very truly yours,
Leslie J. Hoyt, Mt. Gilead, Ohio.

I PREPAY EXPRESSAGE

on all orders for day old chicks and eggs. Also guarantee safe delivery. Would suggest that you place your order at the earliest possible date to insure prompt delivery when wanted. If you want the best in S. C. White Leghorns, write to Sunlight Poultry Farm. They are persistent layers, hence money makers, the year around. Best of references. Send for catalogue and prices. "The Most of the Best for the Least."

SUNLIGHT POULTRY FARM E. N. Lemon, Owner LYNCHBURG, OHIO

Take the Leghorn of today. The fad is back and tail and more value is given to these two sections than is awarded to the whole head section that has nearly double the number of points in it. If the Standard makers want to give the tail and back the extraordinary value that some judges award them, then the Standard should be changed. If the head, beak, eye, comb, wattles and ear lobes are the most valuable part of a Leghorn, then the judges should place the value in these sections. There are thirty-four points in head and in tail; there are six points in shape, and four in color. Back five points in shape and four points in color. A total of nineteen points are given to back and tail for both color and shape. Some of the judges seem to ignore this fact and will often place the award on a bird with good back and tail, ignoring the fine head points of another bird to which the Standard of Perfection gives thirty-four or nearly twice the number of points.

In a score card show the values of the sections are so plain that one can not give everything to fads.

PLAN FOR CITY POULTRY FARM.

By S. H. Bennett, Farmer City, Ill.

A POULTRYMAN with a city lot about 40x40 feet, has room enough to establish a comfortable little poultry farm in his back yard. There was a vacant lot of this size south of my house and I have equipped it after the following plan and find it a very profitable investment. The lot was first enclosed in a 58-inch wire fence, and then subdivided by a 48-inch wire netting as the accompanying diagram shows, making before they are again subdivided one lot 10x40 feet, two lots 40x15 feet, running to a point at each corner; and a larger center lot 30 feet wide on the south, and running diagonally to a gate 12 feet south of the north boundary. In the center of 40x10 foot lot is a 10x10 foot house, facing the south but having a door in both front and back. Also on the 12x20 foot lot directly north of the diagonal runs, is a house facing south. There is also a door in north end of this house, a partition in center with door swinging both ways. On the east end of house there is a shed 10x12 feet, used for sitting hens and for storage at other seasons of the year.

Oats is sown in small yard north of 10x10 house, and rye in yard south of this house. Rye is also sown in the two small triangular yards; with wheat, rye and clover in the center one. West of the larger house we have a space 5x12 feet used for growing rape or lettuce.

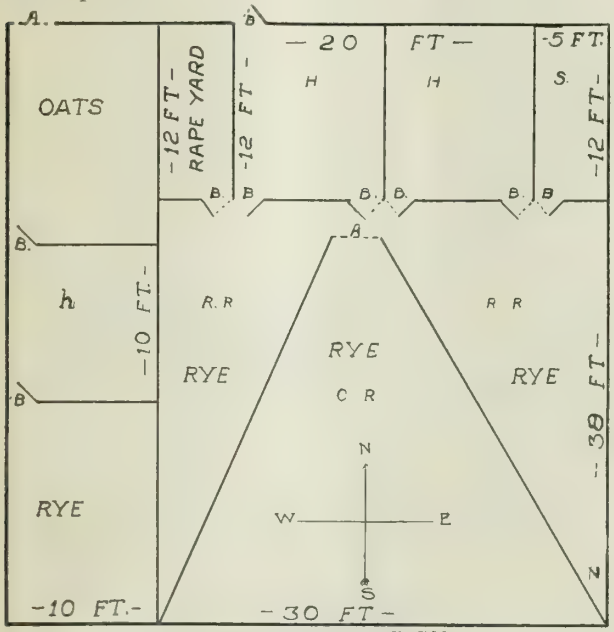


DIAGRAM FOR CITY FARM.

A.—Gates. B.—Doors. H. H.—Double house. h.—Mating house. R. R.—Regular runs for layers. C. R.—Changeable runs. S.—Setting shed and store room

In the small house we keep ten to fifteen head of special breeding birds, with thirty-five head in each section of the large house, making eighty to ninety head in all. The breeding birds run in south pen for two weeks, and in north pen one week, as the oats will not stand pasturing as much as the rye, aside from the advantage of the southern exposure.

The birds in the large house are given the center yard week about, leaving it unoccupied a week between times. We keep a constant watch on this center pen, not allowing the birds to pasture it too closely, and in this way have kept it green and well sodded. The regular runs for the large house are seeded frequently and allowed to get a start while the birds are pasturing in center yard. In changing the flocks around in this way we have had no difficulty in keeping the birds healthy and doing well, and it is not difficult to keep their quarters reasonably clean and birds looking well. Fanciers in town can, by adopting this plan, have birds looking about as healthy and well kept looking as if the birds were on range.

We hatch eggs from special mating house only, and therefore keep only two males, allowing one male with the flock at a time. From this mating we get nearly double the number of eggs we are able to incubate and raise the chicks, since we only have room to handle a very few for commercial purposes, with the best used to replace females no longer of value as layers. With a flock of this size we are in a position to know which ones are paying and make it a business to discard loafers and those which do not come up to our standard of profit winners. A bird that does not bring in something for her feed is either marketed or eaten, and by this careful management we get a good percentage of eggs and make a fair profit. By July all culls or loafers are sold off, that we may make room for our young stock. The remaining yearling hens are removed to the large house and given the two regular runs, all other runs being used for the young stock, until housed in the fall.



SINGLE COMB R. I. RED.
Cockerel heading best pen of L. W. Maxson, Scranton, Pa.

On a plant of this size, it is possible to always have strictly fresh eggs for home use, with enough to sell to pay for food and care, besides a neat little profit from culls or other birds sold. In fact, you can have nearly everything the larger plant fanciers have, but not so much of it. You can raise birds good enough to win at the local shows if you start right and keep up with the times in your breeding.

I know a number of real live fanciers who have very small plants, yet make the boys "go some" when their birds are entered in competition at the shows. There are a good many of this kind that carry sizeable ads in our leading poultry journals and they raise the stuff to back them up with. Some of these men are an honor to the fancy and will some day be heard from, when they are able to have a patch of this good old soil large enough to make a real business of their undertaking.

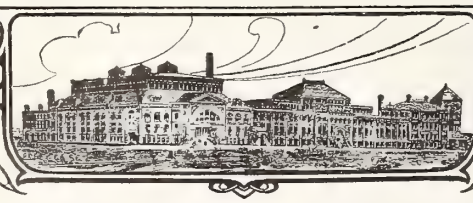
If you have the real fancier spirit, or want to supply your own table with fresh eggs and poultry, try a plant something after this style.

About four dozen eggs are given as an average for the annual output of the turkey.

It will require seven pounds of skim milk to equal a pound of lean beef for flesh-forming qualities.

Don't be shy or have shy chickens; get acquainted.

THE BOSTON SHOW



Eighteenth Annual Exhibit, Held Jan. 13-17, 1914.—A Wonderful Collection of Quality Displayed in Great Classes and Handsomely Exhibited With Decorations.

By H. P. Schwab, Eastern Representative A. P. J.

IF desire and like create habit, then we can fully account for Boston's great, grand and glorious entry and exhibit of 1914. Billy Atherton has the habit of making each succeeding Boston show greater and better, and long since we have given up the idea that there was any limit to his capabilities. We have come to expect this of him and for twelve months every year the question with thousands of breeders and fanciers is, "What next?" This eighteenth annual show was so far ahead of all previous exhibits that we won't dare draw comparisons here. It was simply a "monster beautiful" with untold value to the fancy. It was Mr. William B. Atherton's greatest and most successful work, an ideal exhibit which reflects the greatest credit to him and to the loyal breeders who made this show possible which will have its effect and influence for a generation to come.

Friends take heart. Mr. Atherton has already promised us a greater show in January, 1915. He has always kept every promise made, and will surely keep this one, so let us all consider it a personal duty to do our share, be it great or small, to do it well and loyally, for Atherton and Boston. To President Lowell and Mr. F. H. Robie also every consideration is due.

The entry this season was larger than ever before by a thousand or more. The classes were grandly filled with quality birds seen in beautiful condition. An idea of the size of this exhibit can be had from the following: Poultry, single entries, 2,769; in pens, 1,100; ducks, 90; geese, 80; turkeys, 63; Bantams, 340; pheasants, pea fowl and wild ducks, 26; utility, 172; displays, estimated, 800; pigeons, 2,596; dressed poultry capons, etc., 53; eggs, 131; pet stock, 213, making a grand total of 8,433 entries.

The banquet was held on Tuesday evening, as usual, with close to 200 exhibitors and George W. Weed present, with plenty of eats, music, and two dancing chickens. The speakers were prominent poultrymen, and with the only toastmaster, Billy Atherton in charge, the event was one of unusual enjoyment for all.

The "Flea" banquet was held on Wednesday evening, with fifty members present, and twenty that jumped in. This association is very strong in that section and we hope annual meetings will be held there. The climate and the temperament of the exhibitors is all right there.

Boston has long been famous for its decorations and the tasty manner of arrangements and displays. This year, with a record entry and every inch of space of value, the trimmings and decorations were as liberal as usual and the exhibit was one to make the visitor feel glad all over.

Veterans' day, as usual, was observed and largely attended by our old-time friends. Many club meetings were held and all were well attended. Specialty clubs have at last come into their own and are doing excellent work.

We have but one kick to make; it is our first and we hope our last one. For several years the poultry journals have had special space at the show on the main aisle, but this year they were moved back and away in all sections of the two buildings, so that a guide was required to find them. This, to our notion, is not right and we hope in future the journals will have their old locations again; it is only fair to hope.

The crested breeders made good with a very large entry in their several varieties. All were seen at their best, the Houdans particularly fine. We don't believe we have ever seen a class as

U. R. FISHEL'S AD in this issue will interest you. Read it.

SILVER CAMPINES GOLDEN

EGGS! EGGS! EGGS!

From Most Popular Breed in America!

Again we head the procession with our superior matings.
Our birds swept the deck wherever shown in good hot classes.

AGAIN OUR YARDS ARE

THE PACEMAKERS OF AMERICA

Our matings this year have never been more carefully selected. To popularize the breed, will offer our Champion Matings at $1.00 per egg. High-class matings, 50c per egg. Good matings, $4.00 per fifteen. First come first served.

If it's Campines you want, we have them. There is nothing better anywhere. Send in your name on a postal for mating list. It is now ready and gives a description of the best Campines in America.

MANHATTAN FARMS, GEO. E. NOETH, Owner
BRIGHTON, N. Y.

good and rich as this one was. The White Houdans were a feature and Mr. Bearman, the originator, has done splendid work.

Sensational and feature winnings were made in several of the great classes. In Barred Rocks Mr. H. D. Riley made a wonderful record, as did Mr. Joseph Russell in White Wyandottes. He bought the first cockerel so as to own all five first prize winners. Mr. Haldie Nicholson won about all in Blue Orpingtons in a great class of birds, while Mr. M. F. Delano made a beautiful record with White Orpingtons, his only entry. In S. C. Black Minorcas Mr. W. A. Smith had it all his own way with an elegant line, and here again was seen the wonder display of W. F. Black Spanish shown by R. A. Rowan. While these breeders made exceptional winnings others did nearly as good and every award won at Boston has value to it.

On the stage in the main hall were the displays of Mr. William H. Cook of Orpington, England, and Mr. Clem Watson, Mr. Cook with all varieties of Orpingtons and Mr. Watson with Games, Leghorns, Cochins and Bantams. We hope these friends will come again.

The Exhibitors and Their Winners.

Plymouth Rocks.

There can be no question but that the old and reliable Barred Plymouth Rocks are still the general favorites; while always very popular they have more than kept pace and during the past five years show wonderful progress and are more than ever the "safety valve" of the poultry industry. Here they were the largest and leading class in this gigantic exhibit, with 307 birds in line, a valuable and beauty display, with Mr. Henry D. Riley, Strafford, Pa., the leading winner as follows: Cocks, 3-4; hens, 1-4-5; cockerels, 1-3-5; pullet, 1; pens, 1-3; cockerel-bred pullet, 3-5; cockerel-mating pen, 2, and specials for shape and color male, champion male, best display, etc.

We commend Mr. Riley on this showing; his males were in excellent condition, bright and clean barred and dandy heads and finish; females close up. First pen evenly mated, of finest quality. Champion male was the cockerel in first pen, a corking good one.

Mr. Haldie Nicholson, Leominster, Mass., a regular winner here in the past, entered four males only and won cocks 1st, 2d and 6th; they were bright, fine birds, with most wonderful underbarring. To have such under-barring with clean surface is the question, and Mr. Nicholson has it to an unusual extent.

The Pittsfield Poultry Farm, Pittsfield, Me., while unlucky in the award column, exhibited a fine line of birds, winning cock 5, pullet 5-6, pen 2, cock-



FELL'S FAMOUS WHITE WYANDOTTES AT NEW YORK

Madison Square Garden, December 26th to 31st, 1913, win the most wonderful record by defeating all Champions. No other breeder has ever made such wonderful winnings at New York. My winnings complete are:—

First Cock, First and Third Hen, Second, Third and Fourth Cockerel, Second and Fifth Pullet, First Pen, First Display.

I have won First Cock four times, First Hen twice, First Cockerel once, First Pullet twice, First Pen three times, First Display three times in four showings at New York. Catalogue of the finest White Wyandottes ready Jan. 15th.

A. J. FELL Box J West Point, Pa.

NONPAREIL

Barred Plymouth Rocks

Win at the Great N. Y. Palace Show

With 213 birds competing of the usual **New York Quality,** our birds won **First Prize Hen** and **Sweepstake Championship Special Medal for Best Hen in the entire Show;** Special for best shaped Female; **Second** Cock; **Second** Cockerel; Fifth Pullet; **Special First** Pullet-bred Pen; **Special Second** Cockerel-bred Pen; **Special Second** Pullet-bred Cock; **Special Third** Pullet-bred Cockerel; **Special First** Cockerel-bred Hen, **Special First** Cockerel-bred Pullet.

Spratts Silver Cup for Best Exhibit; Special Champion Female, etc.

Line Bred Since 1883

and winners at Boston, Philadelphia, Chicago, Washington, Toronto, etc., of over 1200 Prizes in our own hands. This year they are better than ever. We have a large stock of quality birds and can supply your wants. Mated Trios and Pens a Specialty. Write your wants and get our prices.

Eggs For Hatching

From the **Best Pens** we have ever mated at **$5.00** per setting straight. Send for our descriptive mating list, it's free, write now. When writing mention Am. Poultry Journal.

SCHWAB BROS. BOX 451 IRONDEQUOIT, N. Y.

erel-bred hen 1, pullet-bred cockerel 6, cockerel-bred pen 6, pullet-bred pen 2. Here they also made their first exhibit of White Rocks. Their two display pens made a fine appearance.

Mr. C. V. Cassidy, Lancaster, Mass., won pullet-bred cockerels 2-3 and pullet-mating pen 1. Mr. Cassidy breeds the pullet line only and here exhibited in these two classes only; his pen was a gem.

Mr. C. H. Shaylor, of Lee, Mass., won pullet-bred cockerel 1, pen 4, cockerel pen 3 and cockerel-bred hen 2.

Mr. A. C. Hawkins, Lancaster, Mass., had a display of two pens of his "Royal Blue" Barred Rocks and nothing for competition. His great winnings at the late Chicago show were still ringing in his ears, so he entered for display only and to show the natives his stock and the quality it took to make the record at the Great Western Show. A friend here gave Mr. Hawkins a circular Mr. Hawkins issued in 1879 that he had received that year by mail. We wished to reproduce this later if we can get him to part with it. You will note Mr. Hawkins has been breeding for some years; yes, over thirty-five of them.

White Rocks also were a royal class, with a total of 180 birds, and with quality and conditions very fine. The Bonnie Brook P. F., Saratoga Springs, N. Y., made the best record here by winning cock 1-2, hens 2-5-6, cockerel 3, pullets 2-4, pen 5, special best display, special best cock and three hens, special best cockerel and three pullets, and the $100 silver challenge cup for best White Rock male. Mr. L. C. Bonfoey, the manager of these farms, is an old and noted breeder of this variety and has been a prominent winner for many years. Louie knows the birds and how to breed and show them, and we wish him every success, for he well deserves it. Note his S. C. W. Leghorn winnings.

Other winners were A. H. Harris, William E. Wade, Paul G. Springer, C. W. Pratt, S. P. Greene, S. Knowles, etc.

Buff Rocks, a fair-sized class, with first cock a beauty and first cockerel one of the best out this year, owned by Ed. H. Lichtenwalter, Girard, Pa. He also won cock 4 and pullet 5.

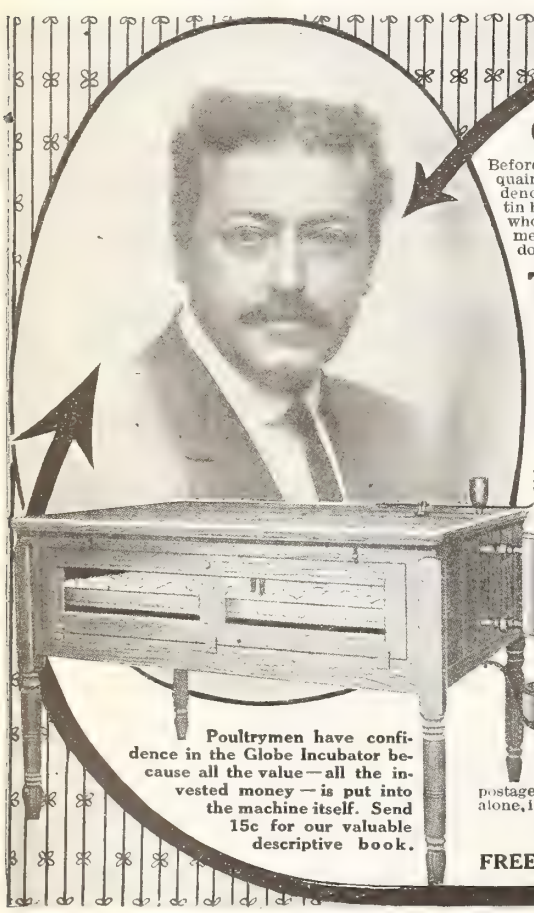
Partridge Rocks, a very large and fine class of birds, with exceptional color and very fine type the rule. The Bonaparte Park Poultry Ranch, Bordentown, N. J., won cock 2-5, hen 4, cockerel 2-3-5-6 and pens 1 and 2. Other winners of worth were F. R. Sweet, F. L. Loyd, G. S. Buxton, Faye Howe, William E. Denis, etc.

Mr. Paul Klingbeil, Walpole, Mass., did not exhibit this year, but displayed two pens of his beauties that made a

VIBERT TRAPNESTED REDS

A flock of beautiful, deep, soft, GLOWING CHERRY TO MAHOGANY BRILLIANT RED to the skin, Rose and Single Combs, hatched and raised BY HENS ONLY, on absolutely free clover range, kept in wide open front colony houses, WIDE OPEN ALL WINTER. Large, hardy, active, thoroughbred, TRAPNESTED HENS, of heaviest laying records, SCIENTIFICALLY LINE BRED according to Government methods, for heaviest winter egg production, BRED AWAY FROM BROODINESS, and mated back to magnificent, large, glowing, brilliant red males, LINE BRED OUT OF RECORD LAYERS. Oblong type, low tails, long backs, red eyes. Heaviest laying Reds in America, with LAYING RATES FROM 211 TO 267 EGGS. Highly fertile, clean, full size and weight, normal shaped, unblemished eggs, GATHERED HOURLY, SHIPPED DAILY AND DELIVERED PROMPTLY UNBROKEN, from a **plant free from roup, on which not a single case of white diarrahoea has ever been known.** Trios, Mated Breeding Pens for sale, also Magnificent Breeding Cockerels FROM TRAPNESTED HENS. Have already booked orders from 22 states, Canada and Cuba. Unlimited references, COURTEOUS HONORABLE TREATMENT, backed by a national reputation for upright methods. Mating booklet upon receipt of 5c in stamps. Eggs $5, $10, $15 per setting according to trapnest records; in 100 egg lots from pens with males out of better than 200 egg rate trapnested hens, $15 per 100.

VIBERT RED FARMS, BOX 70, WESTON, NEW JERSEY



Poultrymen have confidence in the Globe Incubator because all the value—all the invested money—is put into the machine itself. Send 15c for our valuable descriptive book.

It Is Well Worth While to Consider "the Man Behind"

Before placing your order for an incubator or brooder, it will pay you to get acquainted with the manufacturer. Make sure that you can place your entire confidence in him and his machines. There are too many "dry goods boxes" with cheap tin heating arrangements sold now days for incubators and they are made by people who know very little about the chicken business, artificial incubation and its requirements. They are sold exclusively by "Hurrah advertising" and the manufacturer doesn't care if he ever hears from the customer again.

The Globe Incubators and Brooders

are the best machines on the market and we can prove it.

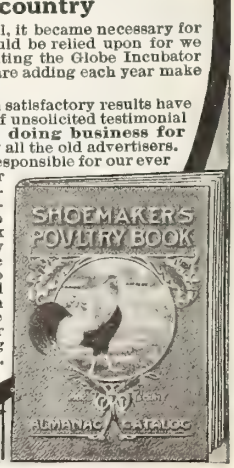
The most modern machinery and the most skillful workmen that can be found enter into the construction of the Globe Incubator and Brooder, and no machines leave the factory until they pass the most rigid examination, and the great hatches which our customers obtain are the results of our twenty-five years of experience in breeding thoroughbred poultry and making incubators and brooders.

We sell more thoroughbred chickens than any two of the leading advertisers in this country

In order to raise this great number of fowls which we annually sell, it became necessary for us to invent our own machine, one that would do the work and could be relied upon for we had tried all the leading machines manufactured before inventing the Globe Incubator and Brooder. The remarkable improvements which we are adding each year make the Globe the best artificial hatcher on the market today.

WE HAVE SOLD THOUSANDS OF THEM. Such satisfactory results have been obtained from our machines that we have thousands of unsolicited testimonial letters on file open for your inspection. **We have been doing business for over a quarter of a century** and have outlived nearly all the old advertisers.

Square dealing and satisfaction to the buyer have been responsible for our ever increasing trade. We want to tell you more about our great factory, our mammoth poultry plant, and our methods of doing business. We have just issued our annual poultry book and guide which has cost us thousands of dollars to produce. It is not a catalog exclusively, but as a text book on poultry breeding in all its branches it is superior to any book issued. It tells about our great poultry farm where we raise and handle thousands of high-grade birds that go to every part of the world each year. But come for yourself and see—we have the goods. Write to any bank or express company in Freeport and they will verify every statement which we have made here. Be sure and send for this book today. Send 15c to cover postage, etc., and if you think that the information on poultry keeping alone, in the book is not worth the money we will cheerfully refund it to you.



C. C. SHOEMAKER

FREEPORT Box 605 ILLINOIS

Don't Forget—The above is the only Incubator manufactured in Freeport, Ill. at the present time.

most attractive appearance. Mr. Klingbeil has won here for years, also at New York and other leading shows and contented himself by selling winners this season.

Silver Penciled Rocks were fair in numbers and very fine in quality. All awards went to Bonaparte Park Poultry Ranch.

Columbian Rocks, a class of thirty-eight birds, with George H. Dexter the leading winner; some nice birds here.

Wyandottes.

In the Whites was found one of the grandest classes of the show; the quality was very even and select and condition of the best; there were 192 birds shown. In this beauty class Mr. Joe Russell, Toronto, Ont., made a record equal to the best made here by winning four of the five first prizes; but not to be equaled, he promptly bought the other first winner, and his record now is cocks 1-5-6, hens 1-2-4, cockerels 1-3-6, pullets 1-2, pens 1-3-5, best display and all specials. This splendid record means much more than appears at first sight and is a credit to any breeder. Mr. Russell is a royal fancier and although he has made grand records in the past, none can approach this in value. The winning females were all we could desire; cocks splendid; one unmentioned looked great to us. First pen a combination of every quality required to make a great Wyandotte. Heads a very high average in this whole line.

Other winners were J. F. Hollis, Onlya Farm, H. W. Holton, J. Jahnle, H. J. W. Fay, F. E. Noyes, G. E. Mann, etc.

Mr. Arthur G. Duston and Mr. J. W. Andrews attended as visitors only, and we believe they both have been selling good ones. Mr. Duston's win at New York gave him a very satisfied look. It is his due. Mr. Andrews has been showing here for sixteen years and has made several records at this grand show.

Black Wyandottes, a good class of good birds.

Buff Wyandottes, a class of seventy-one birds, many as fine Buff as we could wish to see and shape of the best. First cock a real beauty, fine type. First cockerel a bird of promise.

Partridge Wyandottes, not as many as usual; they had the quality of a large class.

Silver Penciled Wyandottes, one of the two finest classes we have ever seen, and first pullet the finest specimen of this variety ever shown; type fine and color and markings phenomenal. First hen a beauty in shape. Many other very high quality birds here.

Columbian Wyandottes, sixty-one birds and a class full of quality, with several exceptional birds. Mr. Jas. E. Perkins, West Stoughton, Mass., did things here by winning cock 1, cockerel 1, pullets 3 and pen 1. Mr. Perkins has the habit of winning, which we can see in his birds; both his winning males were birds of highest quality, good heads and the best of markings, with ideal type.

Silver Laced Wyandottes, a very large class of very fine birds, general quality and conditions of the best.

Golden Wyandottes, a beauty class in size and numbers. Mr. Loren H. Brown, Lunenburg, Mass., won cock 1-2-4-5, hens 1-3-6, cockerels 1-2-4-5, pullets 1-3-4-5, pen 1, best display, etc. Mr. Brown is an old champion of this variety and

PALACE N. Y. SHOW, 1913

WINNING BARRED PLYMOUTH ROCKS

In a class of 213 birds, bred and shown by America's Leading Breeders in one of the largest and best classes ever exhibited, I won **Special First for Best Cockerel,** Mating Pen, Second Pullet Mating Pen, Fourth Exhibition Pen, **First and Third Pullet-bred Cocks,** Fourth Pullet-bred Cockerel, Second and Third Cockerel-bred Hens, Second and Third Cockerel-bred Pullets. **Specials, etc.** A record of merit in all classes.

Palace, New York Show, 1912

In a class of "Royal Merit" my winning First Prize Pullet was the sensation of the entire class. I also won Second Pen, Second Hen, Fourth Cockerel and Specials. At **Madison Square Garden, New York, 1912-13,** I won Seventh Pullet. This line has been bred for years in line and has made records at several shows. Choice stock for sale at all times, selected breeders a specialty in trios and pens, mated to produce superior quality. **Eggs for Hatching** from selected exhibition matings, $10 per setting. Utility mating eggs at special prices of $8 per one hundred. **Baby Chicks,** $9.00 per fifty, $15.00 per one hundred. Write me your wants, I can and will please you. My utility lines are exceptionally heavy layers. When writing please mention American Poultry Journal.

JOHN D. G. GENNERICH **MOUNT KISKO, NEW YORK**

FOXHURST FARM BLACK ORPINGTONS

The Undisputed Champions of the World

AGAIN SWEEP THE IMPERIAL MADISON SQUARE GARDEN, NEW YORK, SHOW, DEC. 26 TO 31, 1913

WINNING

Cocks	Hens	Cockerels	Pullets	Pens	Prizes
1st	1st	1st	1st	2nd	$25.00 in Gold for the BEST display, three Silver Cups and numerous Specials.
2nd	2nd	3rd	2nd		
4th	3rd	4th	3rd		
		5th	4th		
			5th		

The competition was stronger than ever before and included teams of England's most noted winners, as well as Canada's and America's best.



REMEMBER OUR WINNERS OF LAST YEAR, DEC. 31st, 1912, TO JAN. 4th, 1913

Cocks	Hens	Cockerels	Pullets	Pens	Prizes
1st	1st	1st	1st	1st	$25.00 in Gold for the best display.
3rd	5th	3rd	2nd	4th	
		4th	3rd		
		5th	5th		

No such records have ever before been made in the history of the New York Show. From the matings of these Champions of Champions we GUARANTEE TEN live chicks TO EVERY SETTING OF 13 EGGS, another Record Offer. Prices:

$5, $10, $15 AND $20 PER SETTING

New illustrated catalogue now ready telling why, for SEVEN YEARS we have been the largest winners at the World's Greatest Show. Big, wonderful breeding Cockerels, Trios and pens of this Champion Strain for sale, mated for utility and exhibition, also Show birds guaranteed to win

FOXHURST FARM : LIME ROCK, CONNECTICUT, U. S. A.

has brought them up to their highest value and best quality.

American Dominiques—There was a very nice class of these old favorites; there should have been more; but they could not be much better in quality. Mr. A. Q. Carter, Freeport, Me., won cocks 1-3, hens 3-4-5, cockerels 1-5, pullets 1-3-4, pen 1. This line has the correct type and the real Dominique quality. One of Mr. Carter's hens seen here was a winner for five years and laid an egg every day during this show, while she also sported the 4th prize ribbon.

Rhode Island Reds.

In Single Combs 178 birds were shown with several of the best known lines represented. The general quality was of the best and in color and condition all one could desire to see. The United Breeders, Inc., South Braintree, Mass., winning cock 1, hen 4, pullet 4. In Rose Combs, cock 2-5, hens 2, cockerels 2-4-5, pullet 6 and pen 1. In specials they won the State cup for best display in Rose Combs, challenge cup for best male of both varieties, and the eastern trophy for best display both varieties. We hope to see this full line soon and tell our readers of it.

Mr. Harold Tompkins, Concord, Mass., won on Single Combs cock 4, hen 5, pullet 3, pen 1 on both old and young. In Rose Combs cockerel 3, young pen 1, old pen 4. Showing four pens, he won three first prizes, a record hard to equal.

Mr. Lester Tompkins, Concord, Mass., won in Single Combs cock 3-4-6, hens 1-6, cockerels 4, pullets 1-5-6, pen 2-5; in Rose Combs cock 6, cockerel 1, pen 3.

Dorkings.

In Silver Grays a beauty class with very extra quality; the White and Colored small classes.

Brahmas.

Light Brahmas—A wonder class of 222 birds, with many of the old timers in line with large strings of beauty birds. Messrs. Balch and Brown, Manchester, Conn., won cock 4, hen 3-4, cockerel 2, pullet 4-5-6, pens 2-6.

Other winners were J. W. Shaw, W. A. Hendrickson, Q. H. Merrill, F. P. Johnson, Willow Brook Farm, H. B. Tarr, A. V. Prescott and E. W. Rankin.

Dark Brahmas—A good class to see.

Buff Brahmas—A small class.

Cochins.

In Buffs one of the most beautiful classes was shown; color wonderful; feathering perfection and type of the best.

Partridge Cochins—Up to every requirement and a fine, large class of birds. Two display pens of beauty and quality were very attractive.

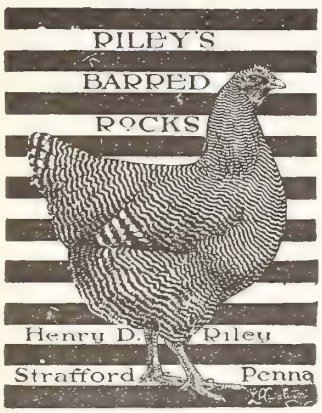
Black and White Cochins—Small classes, but very nice birds.

Orpingtons.

Buffs a fine class of birds that should have had more care. The Sunswick Poultry Farm, South Plainfield, N. J., made a fine showing and won cock 1-4, cockerel 5-6, pullet 2-4-5 and pen 1. Both their cockerels were of extra fine shape and sound color and should have been placed higher up; this was most evident.

Other winners were C. N. MacNear, G. E. Bessom, William Cook & Sons,

The Riley Trade Mark of Perfection.



Whenever you see the "Bars," think of Riley's Rocks, Barred of course.

Riley's Barred Plymouth Rocks

Have been among the leaders for the past three years at

Madison Square Garden

where they have made a reputation that places them in the very front rank as one of America's leading strains. This year they sought fields anew, and at

The Great Boston Show

where the entry was the largest and the quality the finest, and the competition the greatest of any of the Eastern shows, my birds made an enviable and wonderful winning. See last month's issue of the American Poultry Journal for my complete winnings.

At the Indianapolis Show

where the Annual Meeting of the American Barred Plymouth Rock Club was held, and in the finest collection of Barred Rocks that has ever been gathered together in the West, my birds were again the principal winners, as follows:

Cock, 1st and 4th.
Hen, 1st and 6th.
Cockerel, 3rd, 4th and 7th.
Pullet, 1st and 5th.
Exhibition Pen, 2nd.
Pullet Bred Pen, 1st.
Cockerel Bred Pen, 2nd.

The American Barred Plymouth Rock Club's Grand Trophy Cup for the best Cock, Hen, Cockerel, Pullet and Pen; Specials for the Champion Male and Champion Female; Special for the best colored Female; Special for the best display from the Middle or New England States, and many others.

As has always been the Riley custom, I will mate up and sell eggs to my customers from every bird on my farm. You positively get my very best, and get just what you pay for. My wonderful success in the past has been due to my being able to furnish my customers with eggs that hatch winners. You do not have to buy them from me in the fall. If you want to buy from a man who has the best **and will sell you his best,** I ask for your patronage.

My Illustrated Mating List is now ready to mail. It will give you a complete description of every mating on my farm and the price of eggs. Money spent now for eggs will be money saved in the fall. Try me and see if you will not become one of my satisfied customers. I have 300 fine breeding Hens and Pullets, of the same blood as my winners, that I will sell for $2.00 each, or less in large lots; also fine Cockerels to mate with them for the best results. Write me at once.

HENRY D. RILEY Box B Strafford, Chester Co., Pa.

Mrs. E. S. Everett & Son, C. A. Wright, J. C. Reid and C. E. Seigel.

Black Orpingtons—A very rich class of birds and nice condition a feature. The winning pullets a royal class.

Blue Orpingtons—One of the best quality classes seen and large in numbers. Mr. Haldie Nicholson, Leominster, Mass., won cock 1-2-3, hen 4-6, cockerel 1-2, pullet 1-5. Mr. Nicholson has made a grand success with this variety and has sound color and excellent type.

Mr. W. H. Depper, South Lincoln, Mass., won cock 4-5, hen 6, cockerel 3 and pen 1 on a beauty, finely mated and of good shape.

The Blythewood Poultry Yards, Mt. Kisco, N. Y., won hen 1, cockerel 5, pullet 2-3.

The S. C. Whites were the banner class of the Orpingtons, with 155 birds competing. In this beauty class Mr. M. F. Delano, Vineyard Haven, Mass., won cock 1-6, hen 1, cockerel 2-3-5, pullet 1-5-6, pen 1, best display and all specials. This was one of the greatest wins at the show and a most deserving one, the birds in excellent condition and of finest quality. First cock should be called "Revelation."

Other winners were William Cook & Sons, the Cande Farm, E. Sites, H. M. & G. H. Austin, L. E. Pierce, Colonial Farm, J. A. Scott & Son.

Langshans.

A grand class of ninety-one birds and of surprising quality, beautiful color and most excellent type. The winners were all extra fine birds and there was the best of quality left unmentioned. We are delighted with the showing these and other old favorites are making and we want to see the good work kept up.

White Langshans—A small class; they should do better.

Leghorns.

In S. C. Whites a great large class of 131 birds faced the judge, that for general quality were good to see; the conditions of some were excellent. The Bonnie Brook Poultry Farm, Saratoga Springs, N. Y., were great winners here, taking cock 1-6, hen 5-6, cockerel 5, pullet 4. Their best cock came late and was not considered. This line surely has a future in the hands of Mr. Louie Bonfoey.

The Skyland Farms, Sterlington, N. Y., entered only two pens and won 1st and 2d. Both these pens were wonderful in quality and mating; the males very superior and the females beauties of finest type, color and condition.

The Rancocas Farms, Brown's Mills, N. J., won cock 3-4-5, hen 1-2, cockerel 2-4-6, pullet 3-5-6. A grand win in this class and a credit to this line. Mr. M. L. Chapman, the manager, also judged the White Rocks at this show, so could not show in those classes.

S. C. Brown Leghorns—Here, like at other shows this season, were a fine large class with quality in every bird seen. We believe we have seen more good Brown Leghorns this year than ever before. The winners here were Grove Hill Poultry Yards, Williams Bros. & Brace, H. F. Becker, H. W. Weeks.

R. C. Brown Leghorns—A dandy class. The Turtle Point Farms, Saratoga Springs, N. Y., winning cock 3, hen 3-5-6, cockerel 1-2-3, pullet 1-3-4 and pen

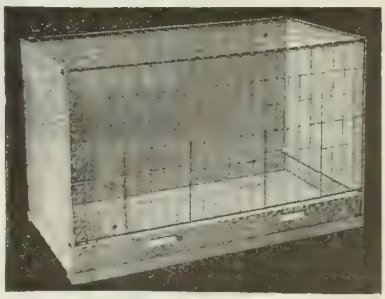
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Get something good and get it in time

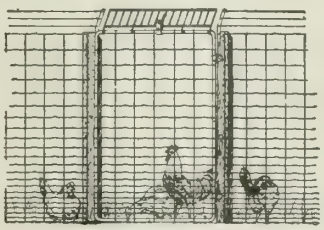
You will need some of these fixtures, we have them for you, so make inquiry at once.



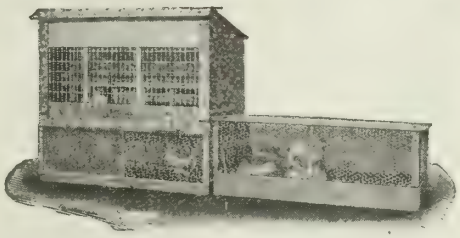
Model Setting Coop



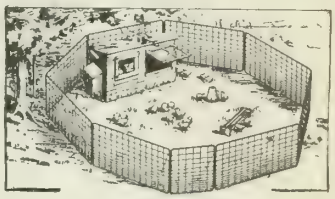
Model Training and Exhibition Coop



Model Poultry Gate

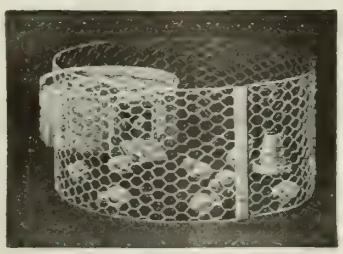


Model Poultry Hennery

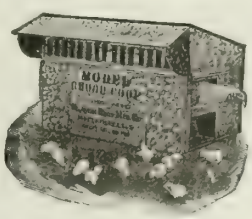


Model Portable Fence Strung Around a Brooder

We make Portable Henneries, Brood Coops, Setting Coops, Colony Coops, Fireless Brooders, Trap Nests, Exhibition Coops, Portable Fences, Poultry Gates, Fattening Crates, Wire Runways, etc. Catalogue Free. Write now. Mention A. P J.



Model Fireless Hover With Yard
Price $1.25. Half dozen $6.90



Model Brood Coop



Economy Trap-Nest

NIEMANN BROS. MFG. CO. Box 677 MT. OLIVE, ILLINOIS

1. Others were William Hipkiss and N. B. Hartford.

S. C. Buff—A fair-sized class; some good color.

S. C. Black—A very rich class, with Turtle Point winner.

Minorcas.

The class of S. C. Blacks, the best seen here in years, Mr. W. A. Smith, Metuchen, making a big noise here, winning cock 1-3, hen 1-3, cockerel 1-2-3, pullet 1-2-4, pen 1. All color and shape specials on both male and female, best display, special for best three cockerels and for best three pullets and a total of eight others.

R. C. Blacks—Up close in both size and quality; the winners very fine birds and were well shown.

Houdans.

The largest and finest class of this variety we have ever seen, with 157 birds competing. The winner and several others were of finest quality, many sensational. The breeders and the club deserve every credit for making this grand showing and we hope they will keep it up. With classes like this the Houdans are coming into their own, for if this variety received due recognition it sure would be among the leaders at all the shows. Breeders, we congratulate you on this class and promise our aid for this sound and reliable variety.

Mr. James Abernethy, West Pembroke, Me., won hen 1 and pen 1. Hen of fine size, form and color and grand crest. Pen fine in mating and a beauty male.

Mr. J. L. Metzler, Findlay, Ohio, cock 3, hen 5-6, cockerel 1, pullet 5, pen 3. First cockerel a wonder in quality and finish. Mr. Metzler is one of the oldest breeders and has won for many years.

Mr. Harry Taylor, Toronto, Ont., won cock 2 on a beauty that was misplaced, so someone else has credit.

Other winners were G. H. Springman, E. A. Wight, J. R. Taylor, F. L. Woolner, M. Blagden, W. H. Bassett, Wheat Bros., W. F. Bast, etc.

White Houdans—A good class, all shown by D. D. Baerman, Dunellen, N. J. Blue Houdans by J. C. Kriner, Stettlersville, Pa.

Polish.

A class of just 100 birds and a very attractive lot seen at their best. The winners a very select lot.

Golden and Silver Polish—A good lot and fine classes. All varieties were seen to advantage here and one of the largest classes ever put up.

Hamburgs.

Black Hamburgs—Numbered 90 birds.

Golden Spangled—Fifty birds.

Silver Spangled—Seventy-five birds.

Other Hamburgs in good proportion; a very complete class; each variety seen at its best.

Campines.

In Silvers a nice class of birds. Mr. M. R. Jacobus, Ridgefield, N. J., won hen 2, pullet 1.

Mr. E. F. Dean, South Williamsport, Pa., won cock 2, hen 1, cockerel 3-6, pullet 2-5, pen 1.

Golden Campines—Fair-sized class.

Buttercups.

There were 83 birds of this variety shown, which insured good classes. They made a very good appearance.

Other Varieties.

Dark Cornish—Only a fair-sized class. We better get John Ward after this for next year.

Faverolles—Small class of good quality.

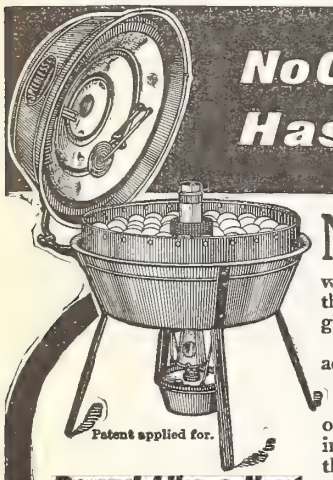
The same for Lakenvelders.

White Laced Red Cornish—The best class we have seen; quality very fine all through.

Games of all varieties were seen to advantage.

Red Sussex—A very fine class.

Blue Andalusians—A large class of extra quality. The 1st and 2d cocks,



No Other Incubator on Earth Has the Features of This

$6 DELIVERED

NEW methods—new processes—new labor saving materials—these and 25 years' experience have made possible the latest addition to the great Peerless Blue Ribbon line of incubators—the little metal wonder, the "Peerless-60." No other incubator you have ever seen has the design and features of this. No other incubator you have ever used has given the results this is giving.

More than 11,000 of these incubators were ordered before one line of advertising appeared—months before the hatching season. Why? Because in design, in results, in economy, the Peerless stands unique—the climax of the genius of Sheer in incubator design. One poultryman, after test, ordered 50. With even just one Peerless Hatcher and a few feet of space in your back yard you can add $150 to $200 to your income. Results—that's the answer.

Round Like a Nest

No cold corners. The Peerless is just nature, that's all. Natural Heat. Natural Ventilation. Natural Moisture.

In the Peerless, eggs are heated **from above** with the patented triple wall heat radiator. All heat is used—**that's economy.** Regulation of heat, ventilation and moisture are all automatic. The machine is equipped throughout with the famous Sheer fixtures. The wonderful Sheer Wafer Thermostat Regulator **automatically** turns lamp flame up and down to meet temperature in egg chamber. Overheating of eggs is impossible. It uses less oil than any other incubator on earth of same capacity. Four of these machines, with a capacity of 240 eggs, will use **one-third less oil, require less attention and give more healthy chicks from the same quality of eggs than any 240 egg machine ever built.**

This is the **first** practical, **all metal,** fireproof, everlasting machine ever produced. The **first** machine of its size with a perfect heating and heat distributing system. The **first** incubator ever produced alike adapted to the **largest** poultry raiser, and the **beginner** with one machine as well.

Why the "Peerless-60" Is This Size

Experience has **proven** the small machine the most profitable. **Nature** knows that eggs to hatch must be newly laid. No man ever lived who could be sure of being able to place hundreds of eggs of equal fertility in a machine all at one time. The Peerless-60 is the absolute unit. **Small** enough to give the greatest efficiency. **Large** enough to give the greatest economy. **Good** enough so it will last for years—just add more units as the plant expands.

Not a "Leader"

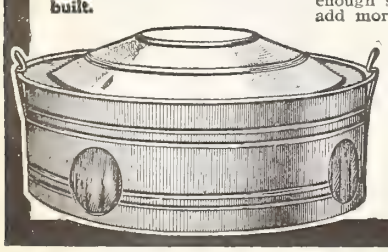
The Peerless-60 is not a bait to get you to answer this advertisement with the hope of selling you a higher priced machine. It's not a cheap machine designed to "get you interested." It is true that the price is absolutely unheard of. Never before has such a price been named on a highest grade machine, delivered—but remember the price is the price fixed by **enormous production, new materials, new processes, new design.** The Peerless-60 could be no better at ten times the price. Of no other incubator ever sold at anywhere near the price could this be said.

Let Us Send You the Facts

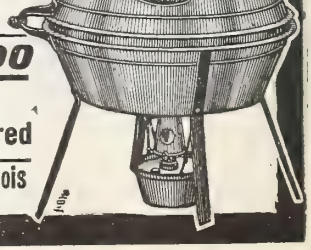
We could not tell you in ten times this space all the facts concerning this revolution in incubators. We want to put these facts in your hands. Let us tell you the story of the Peerless-60, why and how it was produced, how it is made—the wonderful new application of the principles of artificial hatching. You are safe in sending your order **now**—today, but if you wish, write us for the whole story.

Special Introductory Offer

When you figure the cost of an incubator figure its cost set down. Figure the freight. The special introductory price of the Peerless is $6.00, delivered to you. This offer is made to give the widest use to the Peerless in the least possible time. It may be withdrawn any time. Now is the time to secure the Peerless. Save the freight now. $6.00, delivered.



The Peerless Brooder all metal—fire-proof—heated but lampless by a simple device that gives no bother and keeps chicks healthy, comfortable and warm, no matter what the weather. It's of 60 chick capacity—a companion to the Peerless-60 Incubator. Here is the perfect brooder—the one you have wanted, for..... **$3.00 Delivered**



H. M. SHEER CO., 104 Hampshire St., Quincy, Illinois

World's Largest Manufacturers of Incubator Supplies

1st cockerel and 1st hen exceptionally fine.

Black Spanish—A great class of beautiful birds.

Anconas—A nice class full of quality.

Bantams.

Bantams were out strong in numbers. Fine classes were the rule, and it took the best to win. Rose Comb Blacks were beauties. Partridge Cochins very strong.

Water Fowl.

Ducks and geese were a large entry and were seen in all varieties. Among the winners were many notable birds with records and breeding worth.

Utility.

In the basement was the display of utility birds, an attractive feature of the show and a display I would like to see followed up. In this connection let me also mention the display of eggs, which numbered 131 entries. Eggs of all varieties and kinds were shown. The display of 10 dozen white eggs by Mr. M. R. Jacobus, which won first prize, was a feature in itself. Dressed poultry and capons were also seen here, making the practical feature of the show very complete.

Pigeons.

Are always a feature here, and the great entry this season was one of particular value. All varieties were seen to advantage and great classes of the most popular ones were shown.

The show was complete in detail. Every department was filled and each had its special features to attract. To sum up, it was worth the effort and more, and we must now work and hope for the next, which will be known as the Old Glory Show.

THE BALTIMORE SHOW.

The Maryland Poultry and Pigeon Association's Sixth Annual Exhibit Held at Baltimore, Md., January 6th to 10th, 1914.—A Beauty Show and Ranking Up With Our Best.—Feature Classes.

BY H. P. SCHWAB, EASTERN REPRESENTATIVE A. P. J.

TO those who fortunately have attended the Baltimore shows year by year, have seen its simple splendor, its magnificent armory, and have enjoyed the hospitality of its members and breeders, there lingers a desire and a wish for time to pass so that we can enjoy more of them. There is no larger or finer show hall in the world, and when the exhibit is put on draped with our national colors and those of Maryland it is a sight most grand and impressive to see and long to be remembered.

The members of the association have a way of their own to entertain their guests, and no effort is wanting to make the stranger feel at home. From President Riggs down to every single member of the association, their one duty is to entertain, and they do know how. In Secretary George O. Brown they have one of the grandest characters in poultrydom, a man who has devoted his whole life to poultry and has been judging for forty or more years, and around him they have built an association of equal character and a show of wonder, beauty and value to the industry.

The exhibit this year was larger than usual. Many feature classes were seen and the display of ducks and water fowl the largest and best ever staged. The single entries numbered 2,296; pen birds, 925, and pigeons, 657, making a total, exclusive of display birds, of 3,878.

The breeders' banquet was held on Wednesday evening at the Hotel Rennert and proved a regular jollification, enjoyed by all. The "Flea" banquet followed on Thursday evening at same hotel. At this meeting the new officers were elected and are given elsewhere.

Many prominent visitors and breeders

IOWANA WHITE ORPINGTONS

Bred for Vitality, Productiveness and Quality

Winners at the Iowa and Illinois State Fairs; also at the Chicago Show and Iowa State Show. Won second old pen, second young pen, and second best display in the hottest class ever shown in this great show. **A very desirable lot of breeding and exhibition stock for sale.** Write for our mating list describing our 1914 matings.



IOWANA FARMS POULTRY DEPARTMENT
DR. BRYANT SMITH, MGR. :: BOX S, DAVENPORT, IA.

HARVARD REDS WIN

At New York (Madison Square Garden) and at Boston

THE EASTERN TROPHY CUP

of the RHODE ISLAND RED CLUB OF AMERICA, the most coveted cup for best display of BOTH COMBS, the CHAMPIONSHIP CUP for BEST MALE OF EITHER COMB, and TWO OTHER BEST DISPLAY SPECIALS.

THIS GREAT WINNING at America's Two Premier Shows, which includes FIVE FIRST PRIZES, FOUR SECONDS, EIGHT SHAPE AND COLOR SPECIALS and TWENTY-FIVE OTHER RIBBONS

Definitely Establishes the UNITED BREEDERS' Claim of

"THE WORLD'S BEST RHODE ISLAND REDS"

HUNDREDS OF GOOD BREEDING BIRDS OF BOTH COMBS, $5 TO $15 EACH
BREEDERS WITH EXHIBITION QUALITY, $20 UP

WRITE AT ONCE FOR BOOKLET, "THE FIRST CO-OPERATIVE ORGANIZATION OF POULTRY FANCIERS"

LEARN How we RE-PURCHASE anything originating with us, WHEN YOU NO LONGER WANT IT; How we sell EGGS FOR HATCHING and INSURE YOU AGAINST DISAPPOINTMENT OR LOSS. MATING LIST NOW READY. BABY CHICKS A SPECIALTY.

UNITED BREEDERS, Inc., 314 Pond St., South Braintree, Mass.

Address all Correspondence, and make all Remittances payable, to THE COMPANY, Not to Individuals.

were noted and among them Mr. Chas. D. Cleveland, secretary of the New York Garden Show; Mr. Frank J. Eppele, of Stockton, N. J., etc.

The Exhibitors and Their Winners.

Barred Rocks are always a favorite class here and this year was no exception. There were 126 birds in line, the best from the yards of a dozen well-known breeders. Mr. Robert J. Walden, Middleburg, Md., an old winner here for years, made but a small entry and won cock 4, hen 1 and special for shape, cockerel 3, pullet 2 and 4. Mr. Walden also displayed here his famous pen of Barred Rocks that won the Storrs, Conn., national egg laying contest for two years, leading all other pens of this variety and for three (3) months led all the varieties and won the three championship medals. Mr. Walden has every reason to feel proud of his line and their records.

Mr. W. G. Boileau, Middleburg, Md., made a sensational record, winning cock 1-2, hen 3, cockerel 1-2, pullet 1-5, cockerel-bred hen 1-2, pullet 1-4, pullet-bred cockerel 2, pullet-mating pen 1 and specials.

Mr. Frank Harbaugh, Middleburg, Md., won pullet 3 and pullet-bred cockerel 3 on two entries. In S. C. Reds he won cock 2; in Rose Combs, hen 6, cockerel 2, pullet 2, pen 2; in Black Langshans, cocks 3 and 4, hens 2, cockerel 2 and 3, pullet 3 and 4, pen 1. These were a very large and strong class, the first pen a beauty in quality and mating.

Mr. A. E. Warner won first pullet-bred cockerel and other winners were O. C. Boileau, W. H. Matthal, E. C. Spain, C. H. Boschen and E. A. Grave.

White Rocks numbered 90 birds and for quality and condition were one of the best seen out this year. The Fairfield Poultry Farm, Fairfield, N. J., made a record win for this show on a line of birds of grandest quality, as follows: Cock 1, hen 1-5, cockerel 2-5, pullet 2-3; pen 1 and specials for shape and color. First cock a large, strong bird of extra type and grandest condition. The winning pen a charmer in mating and evenness of quality, shape and condition, the best of eyes and legs and positive white plumage. This is an old and reliable line that has made records for many years.

The Rockland Farm, Benson, Md., won cock 3-4, hen 2-3, cockerel 1-3-4, pullet 1-4, and pen 2. Cockerel a beauty, well finished and full of vigor. First pullet a wonder in form and finely shown. Second pen very strong, nicely mated.

Buff Rocks—A nice class with color a feature. Second cockerel a bird of promise, shown by Mrs. R. J. Walden, Middleburg, Md.

Columbian Rocks—Not as many as we would like to see; quality was high, with most awards to Louis P. Graham, Collingwood, N. J.

Partridge Rocks were one of the best classes ever brought together, with 105 birds competing. The winners were good birds, and there were other good ones also. First pen shown by Mr. W. F. Presgrave, Salisbury, Md., was for mating and rare high quality, one hard to beat; the male a fine bird of grand color, stands strong and females even, sound markings. Mr. Presgrave also won hen 5, cockerel 2 and pullet 3.

Silver Wyandottes were one of the great beauty classes of the show with 124 birds competing, there was quality here and to spare, a credit to the breed and the breeders. A. and E. Tarbox, Yorkville, Ill., won cock 5, hen 1-2-5, cockerel 5, pullet 4-5 and pen 1. Other winners were Silver Brook P. F. Dr. T. H. Charmbury, H. Kerl, Henry Steinmesch, T. K. McDowell, etc.

The White Wyandottes numbered 119 birds all told with the first cock and cockerels the stars of the class, both grand birds very nicely shown by Mr. Jas. J. Farrell.

Columbian Wyandottes very good and a few nice Buffs shown.

S. C. Reds brought out 96 birds and each class was well filled. The Schenley Heights Poultry Farm, Pittsburgh, Pa., won cock 1, hen 4, cockerel 2, pullet 5, and pen 1.

THE CARVER SYSTEM One of the greatest books ever written for the fancier who wishes to make good in the poultry world. Written by one who started ten years ago with but $20, who today owns a $10,000 Poultry Farm. Worth dollars to the beginner or fancier who is lagging and needs GINGER put into him. Price, $1.00. A. A. CARVER, SEVILLE, OHIO

Pedigree Breeding of Poultry

—OR—

THE SCIENCE OF POULTRY BREEDING

A New Book Just Out

By J. A. BICKERDIKE

TREATS especially on improved egg production. Gives correct scientific methods of Poultry Breeding, combined with the lifetime experience of an expert in this line. Mr. Bickerdike tells in a clear practical way how he has developed egg-production in his flock in a way that is permanent and sure of results, producing hens like Lady Showyou.

Lady Show You

The $800.00 Champion Egg-laying hen, was bred by J. A. Bickerdike, the author of this book.

The best book on poultry breeding ever written. Just what you need whether you have a dozen hens or a thousand. You cannot afford to go through this breeding season without it. One chapter, "Principles of Breeding for Heavy Egg-Production", is worth many times the cost of the book. To follow these principles will double your egg yield.

Dr. A. R. Hedges, Medford, Oregon, says: "This valuable book shows originality of thought and the results of years of investigation and experience in the breeding of poultry. It will undoubtedly bring forth much comment and criticism, for its principles are distined to revolutionize the present day breeding of poultry. Every poultry raiser should read it.

The Bickerdike Trapnest is Mr. Bickerdike's latest creation in Trapnests, covering fourteen year's experience in trapnesting. Endorsed by leading poultry breeders everywhere. "Very simple, effectual and certainlya winner."—Noftzger. "Better than high priced nests."—Halbach.

SPECIAL OFFER

Price of the book is ONE DOLLAR prepaid. Price of Trap, charges prepaid ONE DOLLAR. For a limited time we will send a copy of the book together with one of the new Bickerdike Traps, complete with full directions and right to make and use, all charges prepaid for $1.00. Satisfaction guaranteed or money refunded.

ORDER THE BOOK AND TRAP NOW AND BEGIN THE SEASON RIGHT

Address all orders to

Medford Trapnest Co., Dept. A3, Medford, Ore.

R. C. Reds also a choice class full of quality birds.

S. C. Buff Orpingtons a well filled class of high quality birds with first hen very good.

S. C. Black Orpingtons the largest of the Orpington classes, with the Whites a good second. First pullet a grand winner.

Light Brahmas with 55 birds made a grand appearance. The winners a beauty collection.

Black Langshans an exceptionally strong class with shape and grand color the features noted. Mr. Porter Elosser, Cumberland, Md., won cockerel 1, pullet 1. The class had 61 birds. We have before given the winnings of Mr. Frank Harbaugh.

S. C. White Leghorns numbered nearly 100 birds and was a royal class of quality. The Maryland Leghorn Farm, Cambridge, Md., with Mr. C. W. Bowman as manager won cock 1-2, hen 1-4-5, cockerel 3, pullet 1-5, pen 3 and specials, a beautiful record in a strong class. Their two winning cocks were fine, large, typical birds with grand heads and wonderful condition. First pullet a royal winner with choice head and of grand size and shape. This line has been very successful this year, having also won first prize pullet at the M. S. Garden, New York, Show. The many friends of "Billie Bowman" will rejoice at his pronounced success. Keep it up, Billy.

Other winners here were Gillingham P. F., J. H. Sellman, Jr., H. M. Keeney, W. H. Williams, Louis P. Graham, E. L. Buddington and Armstrong Bros.

Single and Rose Comb Browns, Duckwing and Columbian Leghorns were all well represented.

S. C. Black Minorcas numbered 50 birds and for quality were one of the best at the show. O. E. Remsen, Annapolis, Md., won cock 1-2, hen 1-3, cockerel 1, pen 1.

W. C. Black Polish, a beauty class of 50 birds, the honors pretty well split up. It was a grand class, very attractive.

Other varieties of Polish and all varieties of Hamburgs were seen to advantage here.

Dark Cornish, another beauty class with some of the best birds and greatest winners seen out this season, Mr. Courtland H. Smith, Warrenton, Va., won cock 4, hen 1-2, cockerel 1, pullet 1, pen 2-3 and many specials. Dr. W. A. Low, Catonsville, Md., won cock 2-3,

Young's Strain S.C.W. Leghorns

I HAVE NO OTHER BREEDS

They are the standard for all the Leghorns of all America, and the greatest layers of all domestic fowls.



FIRST PRIZE COCKEREL MADISON SQ. GARDEN, NEW YORK, 1912 1913.
BRED & OWNED BY D.W. YOUNG, MONROE, NEW YORK.

At the World's famous and Premier Show of America at Madison Square Garden, New York, for the past 13 consecutive years I have won best display and from three to five first prizes, every bird being bred and raised by me.

Winnings at Madison Square Garden, winter of 1913, were as follows:

A STUPENDOUS VICTORY

Cocks, First, Second and Fifth
Hens, Second, Third and Fourth
Cockerels, First, Third, Fourth, Fifth
Pullets, Fifth
Pens, First
Groves Trophy, value $500.
Elmhurst Sterling Silver Cup, value $150.
N. Y. State Cup, value $50.
N. S. C. W. Leghorn Club Medal for best cock, best cockerel, best pen and best display.
The Association $10 Gold Special for best display and Grand A. P. A. Medal, value $50, for best bird in whole show, all var. competing.

This bird is the most superb specimen that has ever been produced of any variety. This achievement was made possible from a thorough knowledge and scientific practice of line breeding for over 35 years, and from a strain that has been bred by our family since 1855, making it the oldest strain of Leghorns in all the World, the male line never having been broken by adding new blood. The **Young Strain Characteristics** follow through all my yards and my matings this year should be superior.

WATCH the Show Reports throughout the United States and Canada, and you will find that Young's Strain predominates and wins the coveted prizes and lays the greatest number of eggs.

Hundreds of the grandest cockerels ever bred, for sale. **Remember you cannot win without my strain.**

MATING LIST FREE, ADDRESS

D. W. YOUNG, MONROE, NEW YORK

cockerel 2-4-5, pullet 4, pens 1-5. Other winners J. N. Harvey and H. H. McCormick.

Silver Campines a feature class with even and rare quality, Mr. C. F. Rankin of the Schenley Heights P. F., Pittsburgh, Pa., won cock 1, hen 2, cockerel 1-3, pullet 2-3 and pen 2nd. Mr. C. F. Dean, So. Williamsport, Pa., cock 2, hen 1, cockerel 2, pullet 1 and pen 1. Goldens not so large a class.

Bantams numbered 477 birds with the B. B. Reds leading in numbers and were a select class. Pyle's a beauty class, Cochins in all varieties very strong. First Buff hen a wonder, Black Cochins a choice lot, classes very strong. Mrs. Wm. H. Moore, Chadd's Ford, Pa., won cockerel 4, pullet 2, pen 1. This with her Philadelphia winnings places her first among the year's winners.

This was a Duck Show in fact. There were ducks everywhere and then some. The duck clubs met here and the displays made were a credit to all classes and varieties. There were 356 single entries and 135 in the pens, making a grand total of 491 ducks. Pekins were a good, large class with quality very fine. Rouen's very large class and of beautiful quality. White Indian Runners the largest class shown. Colored close up. Penciled a very select lot. In Muscoveys, Aylesbury, Cayuga, Crested, Black East India, Blue Swedish, Gray and White Call and all varieties the classes were filled and were well shown. It was a very complete display, very handsome.

Geese were also seen in numbers, 119 competing. Toulouse, Brown and White Chinas and Embdens the banner classes.

Pigeons numbered 657 birds, including all varieties in good sized classes. They have the real Pigeon-Bugs there.

Several displays were seen to advantage in Poultry, Pigeons, etc. The exhibit of Danish White Leghorns by Armstrong Bros., Loch Raven, Md., was one of particular interest to us and to many of the visitors. These Leghorns are large, fine, strong birds and are noted layers, so it is claimed.

This exhibit had a grand beginning and a beautiful finish. It was very complete, evenly balanced and of superior quality. Baltimore has shown us grand exhibits and has led us to look for and to expect greater shows in the future. The members are loyal fanciers and we wish them every success; they deserve it all.

———o———

George L. Beveridge, of Durant, Okla., is organizing a stock company for the purpose of establishing an extensive poultry farm near Durant. Mr. Beveridge has had twenty years' successful experience as a poultryman and believes that a large poultry plant at Durant will prove a profitable enterprise.

E·B·Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Are Fashion's Proudest Birds



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

The record of my Barred Rocks at Madison Square Garden, 1913 and 1914—two years in succession—is the Capstone to their unexampled record for twenty-six years. For these achievements see opposite page and back cover page.

You are now thinking about eggs to produce the Silver Cup and Blue Ribbon winners for next season's shows

Think of the great satisfaction of winning prizes on birds you raise with your own hands—from the time the chick first sees daylight until the Blue Ribbon hangs on the coop in the show room. The delight of winning on a bird you owned all its lifetime cannot be described.

My Imperial "Ringlet" Eggs will prove a splendid investment

You may raise a single chick worth twenty times the cost of the eggs—a bird worth hundreds of dollars—hundreds of my customers have done this. Remember, the first prize cockerel or pullet at a great show always comes out of one egg.

The birds in my matings have wondrous beauty of even blue color and narrow, sharp, evenly divided "Ringlet" bars, outside and to the skin. They have fine heads, grand size, majestic shape, stylish carriage, good length bodies and backs of great breadth carried to low, well spread tails; besides they are the richest first prize New York winning blood in the world.

My matings are wonderful in their high quality and blood lines

Barred Rock breeders who visit my farm declare my matings are unequalled. I strongly urge all Barred Rock Fanciers to come and see these matings—they cannot be equalled in all America and I want you to see them—yon need this Imperial "Ringlet" blood and barring to win prizes.

My Eggs are the best that money can buy—They produce first prize birds

To produce the finest first prize show birds demands ths highest degree of expert knowledge—My birds are mated by my own hand.

Cockerel from "Ringlet" Eggs wins 6 first prizes

Mr. E. B. Thompson, Madoc, Ont., Apri 1, 1913.
Dear Sir:—
Kindly quote prices on one setting of eggs from your best cockerel mating pen. Out of the last eggs I got from you I raised a male bird that won 6 first prizes last year. He has never been beaten.
Truly yours, A. H. Watson.

I Will Help You to GREATER SUCCESS and LARGER PROFITS

Richly illustrated 70-page catalogue upon request.

EGGS from the finest Exhibition Matings in the World, $10.00 per setting; four settings $35.00; one hundred eggs $60.00.

E. B. Thompson

Lock Box 510, Amenia, N. Y.

DESCRIPTION OF THE WINNERS

At the Madison Square Garden, New York, Show.

By H. P. Schwab, Eastern Representative, A. P. J.

Barred Plymouth Rocks.

Cocks.—1st, a bird of wonderful surface barring a "Ringlet" indeed, good shape well finished; 2nd, a strong colored bird with wonder under-barring; 3rd we did not handle, he looked good from the outside; 4th, a noble fellow who won 5th cock last year and 6th cockerel before, he improves with age; 5th, a fine colored bird, stands well and good points; No. 11 cock unmentioned, the best cock we have ever seen in or out of the show room.

Hens.—1st, a beauty of wonderful contrast of color, snappy barred, a great winner, also takes female championship; 2nd, a beauty surface and under, very clean and straight barred; 3rd and fourth similar all of fine size and shape; 5th, not fully finished, great color and barring and nice type; No. 37 a rare hen of superior quality, a very strong class.

Cockerels.—1st, also wins special for champion male and special for best Plymouth Rock hatched in 1913 and both male shape and color specials, a bird of size, grand shape, narrow and cleanly barred and well finished, even in all sections; 2nd, close up and very similar in every quality; 3rd, of beautiful type, nearly finished, strong in surface and under-barring; 4th, very neat and narrow barring, the real "Ringlet" style; 5th, like the 4th, both not fully finished in tail. These five cockerels were all of the one line breeding with similar character in all. They are fine, of as even high quality as we have ever seen at any show.

Pullets.—1st, good; 2nd, very fine, even color, grand wing and nice head; 3rd, like the second, a fine specimen in all ways; 4th, not as even, fails a mite in neck, good barring and nice color; 5th, one of the finest barred females ever seen, under-barring wonderful, surface even, feathers all well tipped, size and shape of the best; No. 111, another of nearly equal worth; No. 91, a very nice shaped pullet of good barring; No. 107, another beauty and great winner; Nos. 121 and 123 very fine and rare specimens.

Pens.—1st, all that is good in Barred Rocks seen here, male a wonder in even color and narrow barring, females alike in size, color and barring, excellent wings and fine heads, eyes, etc.; 2nd, another beauty male well finished,

E·B·Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Win the most remarkable record beyond all precedent in Barred Rock history at the imperial and most classic show of all America—Madison Square Garden, New York—winter of 1913, winning as follows:

First, second, sixth and eighth on cockerels.

First and sixth on pullets.

First, second and fifth on exhibition pens.

First on cockerel mated pen.

Second, third, fourth and fifth on cocks.

The Imperial Prize of the show, Sweepstakes special for champion male.

Sweepstakes special for champion female.

Diploma presented by the Amer. Poultry Ass'n for best cockerel.

Sweepstakes cup for best Plymouth Rock hatched in 1912, male or female, any variety.

Challenge silver cup for best exhibition pen.

Special best shaped male.

Special best colored male.

Special best colored female.

Best cock, cockerel, hen and pullet, four best cockerels, four best pullets, $25 special prize, presented by the New York Show for finest display.

All silver cups and cash specials - four times as many first prizes as any competitor.

More first prizes than all competitors combined. More first, regular and special prizes than won by any exhibitor of any breed.

My Exhibit of 56 Birds Was the Best the World Had Ever Seen

Furthermore—The "Ringlets," exhibited by me personally, have won at New York a grand total of 32 First Prizes—more than double the number ever won by any competitor. No other Barred Rock breeder in the world has ever won more than 13 First Prizes in the entire history of the New York Show. **Mark the Difference.**

I am the only living Barred Rock breeder who has ever won all the Regular and Special Prizes on Pullets at a single New York Show, viz: **1st, 2nd, 3rd, 4th and 5th;** All the Regular and Special Prizes on Cockerels, viz: **1st, 2nd, 3rd, 4th and 5th** at one show. Both Sweepstakes Champion Male and Sweepstakes Champion Female at one and the same show in Madison Square Garden.

The Imperial "Ringlets" Are The Standard By Which All Other Barred Rocks Are Judged

To meet success in winning prizes you must have my birds and eggs. I will sell you grand exhibition birds for any show, and breeders of this Richest First Prize, N. Y., blood mated to produce prize winners. Richly illustrated 70-page catalog upon request. It is full of original pictures of New York winners from life. When writing mention Am. Poultry Journal.

See my ad on back cover page for wonderful 1914 record at New York

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"Ringlet" First Prize Ckl. and Champion Male at Madison Square Garden, N. Y., 1910-1911. Sire of First Prize Champion Ckl., 1913. Grandsire of First Prize Champion Cockerel, 1914 at this same show.

grand style, females close up, grandly mated; 3rd, a beauty male grand in under-barring, clean surface, females a beauty lot just a mite immature, a pen of worth and promise; 4th, a grand, clean male of beauty form and females a worthy lot; 5th, a rich male not fully finished in surface, females exceptionally fine; No. 3317, male a dandy, females uneven; No. 3322, good male and nice females, a little immature; No. 3328, male unfinished and weak under, females a royal lot.

White Plymouth Rocks.

Cock.—1st, a bird in grand condition, we like to see longer bodies; 2nd, grand in shape and color, good head, etc.; 3rd, a noble fellow grandly shown; 4th, type and condition excellent; 5th, a strong dandy bird full of vigor. Hens.—1st, a charmer seen at her best, beauty type and quality; 2nd, very sweet in every way; 3rd and 4th, both grand hens, with quality evident; 5th, a strong hen in shape, color and condition. Cockerels.—1st, a most worthy bird of best of shape and quality; 2nd, another bird of great quality, full of character; 3rd, one of the best, a rare bird; 4th, similar to second, a good one; 5th, again the type we like, nice head; No. 177, grandly shown and of rarest type and quality. Pens.—1st, one of grand character evenly mated and well shown; 2nd, a great pen in every way very close up; 3rd and 4th, alike in quality, nice condition, general shape a feature; 5th, a dandy pen. It was a great class. Pullets.—1st, the gem of the class, shape and form ideal, one of the best ever shown; 2nd, another of great beauty and value; 3rd, close up, grandly placed; 4th, beautiful and of extra color; 5th, another of rare quality.

Buff Plymouth Rocks.

One of the largest and finest classes seen at New York in years and grand in every class. Cocks.—1st, a great bird, sound Buff; 2nd, fine in shape and color, nice head; 3rd and others close up. Hens.—1st, rich, sound buff, good form; 2nd and 3rd, very close, nice tails and very clean; 4th and 5th, both very worthy. Cockerels.—1st, one of the best ever, won a ribbon at this show, sound and grand in every section; 2nd and 3rd, both grand specimens; 4th, fine in size and form, nice head. Pullets.—1st, 2nd and 3rd, all three beauties of the best of color and shape; 4th, close up, a dandy pullet. Pens.—1st, a pen of wonderful quality, the male and female in perfect harmony of color, size excellent, male a corking good one and very similar to 1st prize cockerel.

Partridge Plymouth Rocks.

A strong class with birds of exceptional quality winning. Cocks.—1st, a very rich bird of shape and quality; 2nd, very close up, fine color and markings; 3rd and 4th, well placed sound birds, grand type; 5th, a winner of note. Hens.—1st, the equal of any in shape and markings; 2nd and 3rd, fine specimens of quality; 4th and 5th, good hens with merit. Cockerels.—1st, a rich specimen in fine condition; 2nd and 3rd, well shown birds of rare worth, plenty of other good ones. Pullets.—1st, in markings very choice and nice style and shape; 2nd, another of the best; 3rd, a pullet of quality. Pens.—1st, a wonder in quality and mating. (old birds)—Cock.—Ideal in shape, even, rich color and superb markings, the four hens alike in markings and shape, a beauty pen; 2nd, young birds and a pen of unusual worth, male and female of the best and even quality; 3rd, 4th and 5th, all pens of quality, shape a feature.

Silver Penciled Plymouth Rocks.

A small class of great quality with the males, both cocks and cockerels of particular worth. First pen a grand mating.

Columbian Plymouth Rocks.

Not as large a class as usual, quality very even and extra good. First cock grand in type and markings, as was also first hen. Cockerels, a rich lot. Pullets, the best clan of the lot, first the equal of any seen.

White Wyandottes.

Here was a great class of 166 birds, beautiful in shape, color, quality and condition, with a mention of any kind a mark of special merit. A royal battle between the giants of the fancy. Cocks.—1st, in style and finish one of the most valued winners here in years, grand head, eye, etc., a typical Wyandotte and in wonderful condition; 2nd, a bird of rare beauty and value, shows the best of character; 3rd, very similar and great bird of quality; 4th and 5th, both royal good ones. Other strong birds seen in this class. Hens.—1st, strong, and a feature hen grandly shown; 2nd, close up, nice head and condition; 3rd, one of the best, nice size

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UNDER my new policy the cream of the place will be confined to only six pens. Over half of the birds in these pens are actual winners at Chicago and Louisville.

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Before you buy get my 1914 policy of doing business. It tells you how I can afford to do this and why you cannot afford to purchase elsewhere. It will greatly interest anyone who breeds White Leghorns, and you will miss something if you don't send me your name and address. **Do So Now.**

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and head; 4th and 5th, both up close, a good pair to bank on. Cockerels.—1st, a top-notcher, one who reaches all the high spots in quality, a most beautiful breast and back, and a real winner; 2nd, a good bird; 3rd, very fine, we liked him very much; 4th, similar, a true Wyandotte; 5th, one of rare quality and extra fine finish, Nos. 461, 479 and 481 all fine birds of quality. Pens.—1st, a pen of master finish and mating, male most desirable, females alike in every section and of grandest quality; 2nd, another of superior quality and mating, with a wonder male; 3rd, condition most excellent and quality very fine; 4th and 5th and other pens very good.

Silver Laced Wyandottes.

A large class of superior quality was out to meet the judge, Dr. A. T. Beckett, and he did a splendid job. He knows and loves this variety and is one of their old-time champions. The winners were an even lot, well shown, and of fine quality.

Partridge Wyandottes.

This year an unusually large and strong class with sound, even color and choice markings the feature. The quality of heads and the general shape of this variety is beyond expectations. Cocks.—1st, a noble bird, with grand head and comb, a character of its line; 2nd, up close, a bird of nice finish; 3rd, 4th and 5th, all strong in quality, insuring the best of competition. Hens.—1st, a favorite winner and a beauty hen; 2nd, not at her best condition; 3rd and other winners alike, grand birds. Cockerels.—1st, rather small, but of fine quality, ideal head; 2nd, well marked and color excellent; 3rd, quite similar to 1st, a dandy bird. Pullets.—1st, a hummer in markings and color, type very fine; 2nd, not at her best, past; 3rd, a bird of promise; 4th and 5th, young, but comers. Pens.—1st, shape of male, wing and head, extra, females even, combs alike, shape fine; 2nd, a dandy mating back of male perfection; 3rd, a pen of mating, grand shape and workings.

Buff Wyandottes.

This was indeed a beauty class. Buff in its best quality here, and birds of wonderful shape and nice heads. Cocks a grand, strong lot all through. Hens unusually good, a noble class. Cockerels one of the best classes out to date, nice form and heads, with even, rich color noticeable. Pullets, one of the best class, 1st and 2nd very superior. Pens, a grand collection of eight pens, very evenly made.

Columbian Wyandottes.

A grand class of nearly 100 birds shown in superior quality. This variety is showing annual improvement good to see. They deserve all possible popularity. The breeders are to be commended on the types they are breeding and showing. Cocks.—1st, a noble winner, fed on "Good Food"; 2nd, grand in color and markings; 3rd, good head and a good bird. Hens.—1st, a bird of grand character; 2nd, very close, a warm one, nice type; 3rd and others of value. Cockerels.—1st, a beauty, fine markings, good head, etc.; 2nd, very good; other winners and others fine birds, shape very good. Pullets, a charming lot in all ways. Pens, as a rule, a choice lot, grandly mated.

Silver Penciled Wyandottes, Etc.

One of the very best classes seen to date. Besides their beautiful color and markings they have shape of a high degree. Black Wyandottes, an even class with good competition; Barred Wyandottes, a nice class with two grand breeders showing. They are in good hands and are being bred to shape and markings.

S. C. Rhode Island Reds.

A wonder class from first to last, with 203 birds competing. The class was teeming with quality, in color and shape, with finish and markings very desirable. The birds were from every section and most likely the best to be had. Cock.—First, a grand and noble bird, very even in rich color and good markings; 2nd, an old winner of undoubted quality; 3rd and 4th, a fine pair that show well; fifth, rather similar to 3rd; No. 745, another beauty with much to recommend; Hens.—1st, even, rich color and beautiful under, good wings and nice head, a bird of highest qual-



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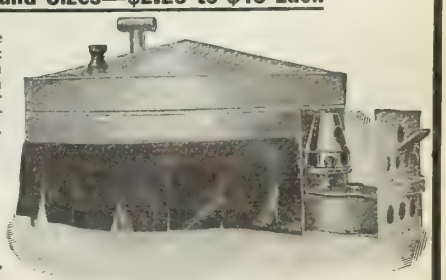
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ity; 2nd, another hot one, well shown; 3rd, a beauty but hardly at her best as seen here, shape elegant and color rich; 4th, a corking good one, we thought, and one of the best; 5th, should make a great breeder. Cockerels.—1st, a very good, even bird; 2nd, fine and well finished, grand tail and wings; 3rd, a wonder but past his best form here, will make a great cock, and we think a breeder; 4th, another of the best in every quality; 5th, past his best form; Nos. 823, 825 and 809 all very fine birds of merit. Pullets.—1st, very sweet, wonder in color and shown well; 2nd, close up, a great pair; 3rd, the kind that is always good and dependable; 4th, a pullet of rare promise, real nice; 5th, a good bird; Nos. 849, 859, 865 and 869 from the outside looked good. Pens.—1st, a pen of even size, quality and color, a good winner; 2nd, a very close pen, male a beauty and females well matched; 3rd, 4th and 5th made a dandy trio of high merit with but little to choose from.

Rose Comb Reds.

In these a class of 140 birds were seen, with the great big majority of them seen at their best condition. It is a question when and where a class to equal this has been shown. Cocks.—1st, a grand bird of exquisite color and form, very even, nice head and good wing, should make a great breeder; 2nd, fine in shape and color and well finished; 3rd, another high class cock; 4th, a good, strong bird; 5th, full of character; Nos. 889 and 893 dandy cocks; hens, 1st and 2nd, two of a kind and that kind the rarest and finest; 3rd, a great hen in color, nice head, carries well; 4th and 5th, both strong hens of quality. Cockerels.—1st, a dandy rich fellow in color and grand in type, very good head, a valuable bird; 2nd, grand in form and every quality; 3rd, no doubt one of the best and well shown; 4th, a royal good one, nice head; 5th, good and strong; Nos. 917, 923, 925 and 929 beautiful birds of rare quality. Pullets.—1st, a gem, fine form and great color; 2nd, a close one of highest quality; 3rd, very nice; 4th, a beauty, but a mite unfinished, grand color; 5th, very good; Nos. 961 and 963 beauties. Pens.—1st, very classy in mating, shape and color, wings and tails beautiful, and all good heads, a very strong male, sound in every way; 2nd, well and evenly matched, good heads and grand tails and wings; 3rd and 4th, both extra fine mated pens of rare quality; 5th, very even quality, a grand lot of winners.

Brahmas.

Light.—A grand class of 60 birds, most all in excellent condition. Cock.—1st, a bird of grand station and style, good markings; 2nd, close up; 3rd, grand markings. Hens.—1st, beauty in size and shape; 2nd, a very fine hen of every quality; 3rd, another beauty, great color. Cockerels.—1st and 2nd, birds of fine quality, they stand well; 3rd, also a strong bird of quality. Pullets.—The three winners in a close class. Pens.—1st, here was one of the best males we have seen in many years, beautiful type and grand color and markings, others good.

Dark Brahmas were small classes with three Firsts going to Mr. Clem Watson, of England.

Cochins.

Buff.—The best quality class seen here for years, with the winners of grandest quality in shape and color.

Partridge.—Also a large and beauty class, full of quality. The markings on several specimens were simply wonderful.

White and Black.—Very small classes.

Langshans.

The Blacks were a good sized class of extra quality and worth. All winners of exceptional quality. First cockerel a hummer, with second very close up; color and shape the features. Also first hen and pullet grand birds, shape ideal. Pen.—1st, a beauty in mating, the best of quality in all and all alike.

White Langshans.—Small classes.

S. C. White Leghorns.

This was one of the greatest classes at the show with 204 birds competing, and representing the yards of several of our best known breeders, making competition very strong and assuring highest quality in all classes. Cocks.—1st, worthy to wear the crown, a bird of wonderful type and carriage, fine head, full tail and absolutely white, shape of body, length of saddle and general finish all we could desire; 2nd, close up and a wonder in all that goes to make a champion; 3rd, a dandy bird and a great Leghorn in every way, showing the best of line breeding, very fine head, good finish; 4th, very similar

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to third and a grand, good Leghorn; 5th, not at his very best at this time but one of the very best in type and general quality. Hens.—1st, a very good hen with nice size and form; 2nd, a beautiful head, grand type and excellent finish; 3rd, very similar to first, full tail, etc.; 4th, another dandy, she looked very sweet to us. Cockerels.—1st, a model, the best male ever shown, besides winning first prize this wonder wins the A. P. A. gold special for best Cockerel in the show which five judges placed, an honor never better placed or won. Ideal in form and carriage, a most beautiful head, comb, etc., a true model, the achievement of the age; 2nd, another wonder, typical and of grandest quality, fine back and excellent finish with dandy head; 3rd, another close up and a wonderfully fine one. It is hard to even imagine three cockerels of this quality in a class; 4th and 5th were also right up there demanding and receiving proper recognition. Pullets.—1st, a beauty pullet, seen at her best, fine style and condition, grand tail and fine head; 2nd, a good bird; 3rd, very neat, nice head and good type; 4th, a dream in shape, color and condition; 5th, also a beauty pullet. Pens.—In general quality and mating supreme. Male looks like first prize winner, with finish most excellent; females an even lot of grandest type and wonderful mating, all just alike in heads, tails, etc., and absolutely white; 2nd, a pen of highest quality, well shown and beautiful mating, male with extra fine points, long back, broad and full with grand saddle and tail, and all females of finest quality; 3rd, a very nice pen, well shown and of even quality; 4th, a real beauty pen, grand in every bird, fine heads and tails, a great pen of worth; 5th, another of exceptional quality and a most desirable pen, fine in finish.

S. C. Brown Leghorns.

It was delightful to see this class of S. C. Brown Leghorns, with its 80 birds, representing the best from coast to coast, as even far-off California was here represented. This class was a credit to the breeders and we hope for more like them. Cock.—1st, a grand Leghorn of rich color and markings, good head and fine style; 2nd, a strong bird, well set, grand hackle and saddle and fine size and type; 3rd, also very nice, rich color; 4th, typical and rich color and markings; 5th, not shown at his best condition, a grand bird. Hens.—1st, one of the best that has won here, very fine color and markings and excellent type; 2nd and 3rd, even up, both dandy; 4th, very good in typical quality; 5th, similar, a sweet hen. Cockerels.—First, a wonder, a model in form, striping of hackle and saddle beautiful, even, rich color, fine tail grandly carried, and beauty head; 2nd and 3rd, close up and a wonderful trio; 4th, very neat, a bird of unlimited promise; 5th, also a rare one; No. 1289 and several others very fine. Pullets.—1st, a very neat pullet of fine back, breast, etc.; 2nd, no doubt one of the very highest grade, shows well; 3rd, and other winners very fine. Pens.—1st, a beauty collection of grand quality and mating; 2nd and 3rd, also of best quality. Others nice, a dandy lot.

S. C. Buff Leghorns.

A class of 95 birds, recommended for evenness and general high quality. Cock.—1st, a grand bird in color and shape, extra tail; 2nd, very good, a grand Leghorn; 3rd, a corker, quality, color, good head, etc. Hens.—1st and 2nd of highest quality, nice type, even color; 3rd, a beauty in color, fine tail, stands well; others of quality here. Cockerels.—1st, a grand buff bird, well deserves to win; 2nd, close up in every quality; 3rd, well shown, with nice points. Pullets.—A great lot. 1st, 2nd and 3rd in a close class and race, all very fine; 4th and 5th both beauties of exceptional quality. Pens.—1st, a beauty collection, well mated and select quality; 2nd, dandy colored male and fine females; 3rd, select lot of quality and breeding worth; 4th, grand birds, all of them; 5th, very fine pen.

Other Varieties of Leghorns.

S. C. Blacks.—An unusually fine lot. Color grand, and size and shape very good. The first cockerel and pullet the gem of the class.

Silver Leghorns.—A rather small class.

Rose Comb Whites.—A good size class, of beauty quality. Heads a feature next to size and condition. 1st, a cock of beauty and a very rare specimen. First cockerel grandly shown, a dandy winner. All the winning females of high grade.



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have made Petaluma, California, famous as the greatest poultry section of the world.

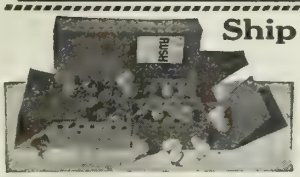
1,500,000 LAYING HENS

Petaluma Incubators are bringing success to every place on earth where used. They will bring success to you. Prices from $6.00 up. Ask about our Parcel-post Incubator. Best small incubator ever made. One man is using 112 504-Egg Petaluma Incubators.

Raise chickens the PETALUMA WAY. 100 to 2500 chicks in one house with a single brooder. Less work. Address your letter to desk 15

Petaluma Incubator Company

INDIANAPOLIS, IND. PETALUMA, CALIF.



Ship Day Old Chicks in This Safe Box

We ship thousands of baby chicks each season from *Tywacana Farms* to all parts of the country in the strong but light and compact

Wright Box THE RIGHT BOX

The most satisfactory box for shipping chicks. It has adjustable ventilating regulator which meets varying weather conditions more satisfactorily than any other device. Chicks do not trample, smother or get chilled. Made of double, reinforced corrugated cardboard—it is

Strong—Simple—Safe—Sanitary

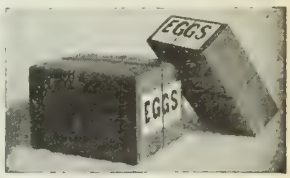


The New Wright Egg Box is the strongest and lightest package for shipping hatching eggs or fresh table eggs. Easy to pack—each egg has absolute protection—cannot shake or jar. Both chick and egg boxes are shipped to you flat and are easily set up and packed for shipment to your customers.

Write today for Free Booklet describing The Wright Boxes for shipping chicks and eggs.

TYWACANA FARMS POULTRY CO.

A. E. Wright, Supt. Box 53 Farmingdale, Long Island, N.Y.

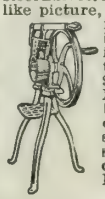


The 3 GREAT EGG MAKERS

THAT PAY FOR THEMSELVES IN A YEAR.

CROWN BONE CUTTER $6.50

Has hardened steel knives. Price, like picture, $8.50; for bolting to table, $6.50. For larger sizes see our Book

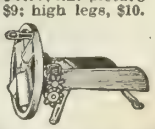


Unless fed plenty of FRESHLY CUT GREEN BONE, with the meat and grissle still sticking to the bones as you get them sweet from the butcher, and CUT CLOVER, hens can't lay as many eggs as they should. The bone must be freshly cut or it's tainted, and spoils the eggs, and often poisons hens. Clover must be cut into short lengths, or most of it is wasted, and what is eaten is fibry and often clogs the crop. If you don't give hens lots of ground SHELL and GRIT they can't digest properly nor get out of food what they must have to make eggs.

Don't depend on buying cut bone because you can't get it fresh, and dry bone and meat scrap are poor substitutes. The only satisfactory and profitable way is to own these three splendid machines. They 're not expensive, are easy running, not complicated, and built to last a life-time.

GEM CLOVER CUTTER $9

Cuts green or dry clover even and easy. Screw feed & adjustable cutter bar. Blades always square to bar. Price, like picture $9; high legs, $10.



WILSON BROS. BONE CUTTERS, CLOVER CUTTERS & GRINDING MILLS

GRINDING MILL $5

Best hand mill for grinding easily, quickly, Dry Bones, Shells, Grit, Charcoal, Corn, Wheat, etc. Price with Stand, $7; like picture $5. Larger sizes, hand and power.



WRITE FOR FREE BOOK

DON'T KEEP HENS UNLESS YOU CAN OWN THESE MACHINES

They won't pay you well enough for eggs or table. Keep a record of results and you 'll soon prove that these machines will pay for themselves in a year.

Handled by nearly all dealers and hardware stores, or shipped direct. Write for our prices on all sizes—hand and power.

Do your neighbor's cutting and make money. We also make the CORNING FEED MIXER, the best mash and grain mixer in the World. Every Wilson machine is absolutely guaranteed. Write to-day for FREE BOOK & Price List.

WILSON BROS. DEPT. F 25 EASTON, PA.

Rose Comb Brown Leghorns.—A great class of 50 birds, full of best quality, extra in color and markings. The three winning cocks hard to beat. Hens a royal lot, very even. Cockerels also of the best in color, size and type. Pullets show every quality, heads a feature. The two pens seen were of the best; first of rarest quality.

Rose Comb Buffs.—A large class, showing good color, type, etc.

S. C. Black Minorcas.

One of the largest and best classes seen here in years. Quality was sizzling in every department. Size, shape and color was of highest and rarest kind. Cocks.—1st, a royal fine one of form, good head and color, nice carriage; 2nd, a beauty head, well finished and a wonder in color; 3rd, stands well and strong, good body; others all strong. Hens.—1st, one of the best, grand type, nice head; 2nd, close up, finished, great color; 3rd, and several most worthy. Cockerels—1st, a noble bird of size, shape and color, fine head, sound in every way, extra fine back; 2nd, very close in every quality and a beauty bird, with great breeding quality; 3rd, large and strong, well shown; 4th, one of the best of the lot; 5th, and others very good, color grand. Pullets.—Both 1st and 2nd stand out strong in quality, shape fine, and color sound, grand heads; 3rd, another beauty of merit, well carried; several others of extra fine quality here. Pens.—1st, a beauty lot grandly mated, male a hummer, females grandly mated; 2nd, a charming male and beauty females, one here the equal of any at the show; 3rd, good character all through; 4th, extra fine color, nice size; 5th, a wonder male, females not evenly matched. Oh, what a male!

Rose Comb Blacks.—A good sized class with fine quality.

Whites of both combs, small classes.

W. F. Black Spanish.

One of the finest classes ever seen at any show, both in numbers and quality. A desirable lot of fine birds.

Andalusians.

A charming lot of birds of fine color, sound and dependable. Style and carriage of the best.

S. C. Anconas.

Here again one of the best and largest classes ever seen at any show, with general quality and conditions of the best; 114 birds. Cocks.—1st, grand in color and shape; 2nd, in style and shape a beauty, good head; 3rd, a bird of great quality and color; 4th and 5th, up close all the way. Hens.—1st and 2nd, two of the best we have seen, nice form, well carried; 3rd, 4th and 5th, birds of quality, very nice, and a lot of other good ones. Cockerels.—1st, a great winner with every quality desired; 2nd and 3rd, very similar, both strong quality, birds with nice points; 4th, good; 5th, a very rare one, great color. Pullets.—A great collection; 1st, a beauty, select color and markings; 2nd and 3rd, grand good ones. Pens.—1st, a great selection of quality; 2nd, very even, good and sound birds; 3rd, a good male and good pen.

R. C. Anconas.

An unusually large class and general quality and condition; nearly up to the Single Combs. The winners, without exception; a fine lot were shown. First cockerel a hummer.

Silver Gray Dorkings.

A good size class of splendid birds. Every department well filled with birds we can commend. More power to the breeders. Come on and help boost the great and valued rarity you represent. There is an opportunity with Dorkings.

Sussex.

Also a good-sized class of these, with English birds competing.

S. C. Buff Orpingtons.

Breeders, we congratulate you, winners and losers alike. It was a wonder class of 186 birds, with the winners a very select lot. Take them out and there was plenty of quality to grace any show. Cock.—1st, a strong, noble, sound buff bird of superior quality and fine shape, grand back and tail, fine head and carried well; 2nd, sound color and of grand shape, nice head, a beauty tail; 3rd, up close, of grandest quality, breeding worth in all these; 4th, great color, and strong; 5th, fine shape and sound color. Hens.—1st, beautiful, even, sound buff, grand tail, fine back; 2nd, very similar and a great pair of birds; 3rd, even, and a beauty; 4th, very fine, a desirable female; 5th, one of the best, a beauty in form, good head. Cockerels.—1st, typical, grandly carried and sound in every way, fine front and back, good tail; 2nd, a dandy of superior qualities, fine head, a sound bird in every way; 3rd, another beauty with heavy bones, deep, fine breast and great back and tail; both 4th and 5th all we could desire. Pullets.—1st, evenness a feature with shape, back a wonder, fine head; 2nd, also a beauty, splendid in all ways; 3rd, a charmer, sound and neat; 4th, full of quality, carried well; 5th, a pleasing pullet, sound and neat; 4th, full of quality, carried well; 5th, a pleasing pullet, very strong in character. Pens.—1st, a wonder in perfect buff color, evenness and mating, the females alike in color and form make a beauty, a great pen of the unusual kind; 2nd, also a beauty of superior, even quality; 3rd, a very hot

Book Sent FREE



Lice-Proof Nests

HAPPY HENS EARN BIG PROFITS

Keep your hens happy, get more eggs, make them pay you better by keeping them free from lice and mites, by equipping laying houses with

KNUDSON Galvanized Steel LICE PROOF NESTS

These wonderful, sanitary, *patented* nests (not a trap nest) can't get out of order, last a life time, earn their cost many times over. Regular price, $3.90, set 6 nests—special introductory price, $3.50; 3 sets, 18 nests, $10. Write for *free* catalog. Gal. Steel Brood Coops with Runs, Chicken Feeders, Trap nests, etc. Knudson Manufacturing Co., Box 570 St. Joseph, Mo.

MOE'S NEVER FAIL TRAP NEST

DELICATE TRIGGER HOLDING TRAP RELEASED BY HENS ENTRANCE FALLING SILENTLY



(Patent Pending)

A solution of all trap nest troubles—for, as the name implies, it never fails.

Lice-proof, fully sealed back and sides, but affording plenty of air when the hen is trapped. Can be placed anywhere in the poultry house. The trap is easily removed, so that the nest can be used as an ordinary one. Set up and ready for use when shipped.

No. 33, 12x12x14½ inches, complete 75c
No. 34, 14 in. square, complete $1

TRIGGER LOCKS TRAP AND HEN THEN THERE TO STAY UNTIL RELEASED



MOE'S SELF LOCKING LEG BAND

MOE'S SELF LOCKING BAND READY TO BE USED



(Patented)

You simply push it together to lock it and it can only be removed by destroying the band. A sealed band that requires no sealer.

Every band has its own raised or embossed number.

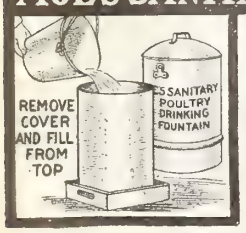
12 Bands, any size 15c

Liberal Discount on Quantities

EASILY ADJUSTED WITH THE FINGERS AND IT IS THEN ON TO STAY



MOE'S SANITARY POULTRY DRINKING FOUNTAIN



(Patent)

The most popular fountain on the market. Fills from the top.

Dead air space keeps water cool in summer and from freezing in winter. Drinking pan now made square, which does away with spilling when hung up. Can be used for two pens at the same time. Prevents chickens from getting their wattles wet and freezing in the cold weather. Manufactured in three sizes:

No. 1, 1-gallon capacity - $1.25
No. 2, 2-gallon capacity - $1.75
No. 3, 3-gallon capacity - $2.25

REPLACE COVER AND YOU HAVE A CONTINUOUS SUPPLY OF PURE WATER



Also specially constructed for ducks and pigeons.

These Are a Few of the Good Things in MOE'S LINE.

Write for complete catalog. If not at your dealer's, write us mentioning dealer's name and we will see that your wants are filled at above prices, your city.

OTIS & MOE, 2011 Otis Bldg., CHICAGO, U. S. A.

one, well mated and beauty quality; 4th, up to every quality; 5th, similar, a grandly shown pen, one of the best pens here carelessly shown.

S. C. Black Orpingtons.

The great and beauty class of the show. Never before has one like it been seen, and we doubt if it can ever be duplicated. The birds, as a rule, in wonderful condition, and seen at their best in both type and color. Cock.—1st, just right, stands well and strong, fine head, with a wonderful body, beauty back and tail, broad and full, breast ideal, probably better, color glorious; 2nd, only a shade behind, beautifully finished, a close one; 3rd, very neat, of dandy quality; 4th, the type of the second, a hummer; 5th, another beauty with a strong lot unmentioned. Hens.—With but very little to choose between 1st, 2nd and 3rd, models in form and of best possible color; many other charmers here. Cockerels, 1st, finished to the minute, one of the very rarest in color and type, fine head, etc.; 2nd, a very good one, stands well and is finished; 3rd, reliable in every quality, stands strong and clean, and a sound Orpington; 4th, very similar and worthy; 5th, he looked like a great winner to us. Pullets.—We have never seen a better, elegantly shown; 2nd, worthy of highest award at any show; 3rd, another—well, all five were just right, with the best type and richest of sound color. Pens.—1st, a beauty pen, well put up; class in every bird; 2nd, grand male and four even, fine females; 3rd, a very strong pen, nice in shape and heads; 4th, way up in best quality; 5th, very neat. This whole class with 135 birds was a stunner, and here, too, we congratulate the breeders.

S. C. White Orpingtons.

We will feel thankful if we can get through this class without having to coin several new words, for with 125 birds in line shown by great breeders, it was a battle royal for honors. Cock.—1st, grand in type, sound in color and great in finish and condition; 2nd, a beauty and one of the best, grand shape; 3rd and 4th, showing same lines and both dandy fellows; 5th, a magnificent cock, back and tail superb, finish extra, several other fine cocks in line but there were but five awards to place. Hens.—1st, a very choice bird, fine back and stands well, grand head; 2nd, also one of the best and very close, well shown; 3rd, very beautiful; 4th, also one of the best and very close, well shown; 3rd, very beautiful; 4th, also nice; 5th, shape and condition hard to beat. Cockerels.—1st, grand in every quality, head extra; 2nd, very close and an excellent bird; 3rd, similar, of rarest type; 4th, a very neat one; 5th, strong and hardy with grand quality. Pullets.—1st, in shape and carriage, a most charming pullet, color of the best possible; 2nd, a pullet of grand finish, grand type and fine head; 3rd, one hard to beat in any company; 4th, very near the same, is worth all a man can ask; 5th, good Orpington. Pens.—1st, a wonder pen in quality and mating, conditions of the best and all typical birds; 2nd, finely mated and very rare quality; 3rd, and others of value.

S. C. Blue Orpingtons.

That the Blue Orpingtons are gaining in favor was evident here in this great beauty class of 104 birds. They were shown in wonderful type, grand color and excellent condition. Cocks.—1st, a bird of grand form and sound color; 2nd, nice quality, extra shape; 3rd, large and strong, a bird of worth; 4th, very good, rich color and fine qualities; 5th, no doubt a grand breeder. Hens.—1st, the best to date and no doubt for some time to come, grand size and type; 2nd, fine color and an unusually fine bird; 3rd, very neat, nice color; 4th, plenty of type and color; 5th, very good. Cockerels—1st a grand bird of beautiful quality; 2nd, very close up and full of promise; 3rd, rich colored, a strong bird; 4th, full of quality; 5th, similar, very good. Pullets.—1st, a beauty, fine color, well edged and grand type; 2nd, very sweet and well shown; 3rd, very strong and rich, a bird of value; 4th, very, very good, real type; 5th, no doubt one of the best. Pens.—1st, well mated and good color; 2nd, even and rich in color, a beauty male; 3rd, good quality in all; 4th, color excellent; 5th, close up, a nice pen.

Houdans.

A very nice class and more than we expected at this time with meetings at Boston. Quality was very even and very good. We want to see these coming right along for we are strong for Houdans.

Silver Campines.

This class was a whole show in itself with 139 birds shown. The breeders are doing fine and the Campines improving and increasing in popular favor. Cock.—1st, one of the best ever seen, extra nice size and shape; 2nd, grand in type and markings; 3rd, very fine and a real beauty; 4th, one of the very best, grand color, head, etc.; 5th, fine. Hens.—1st, you have to see her to appreciate her, just right; 2nd, also a

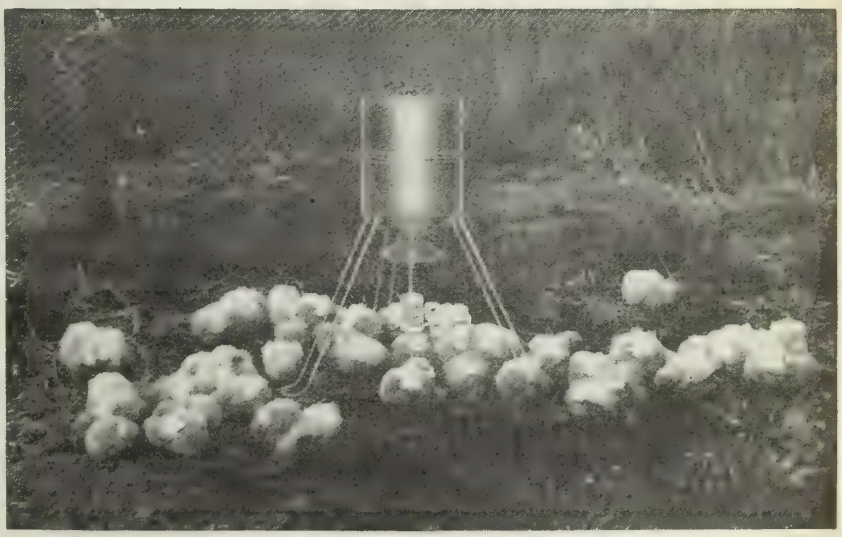
Don't Starve Those Chicks

and Don't Overfeed Them

ONE EXTREME IS AS BAD AS THE OTHER

The greatest of all "chick problems" is trying to feed the little ones correctly. Your season's success depends upon rearing them into big, strong, healthy birds—the kind that can go forth and command a good price for you. There is but "one and only one" solution to this feeding problem—and that's to use a

Simplicity Kant-Klog Baby Chick Feeder



This feeder will feed your chicks just as they need it—automatically, without thought or trouble on your part. It will make them grow and develop quickly, turning them into strong, healthy birds. A little chick's crop does not hold very much and is soon empty. You can not be there all the time to feed them, yet they must eat often and this feeder solves the problem. With this feeder no grain is left lying around to become filthy and foul and then eaten, causing gases, bowel trouble and other sickness. In plain words it is simply perfect and perfectly simple. Holds about a quart of feed, stands on three wire legs and it is guaranteed.

ORDER DIRECT FROM THIS AD You run no risk whatever—if you are not satisfied your money is refunded. **The price delivered to your door is $1.25**

SIMPLEX SUPPLY HOUSE, PONTIAX BLDG., CHICAGO, ILL.

Send for catalog. We carry a complete line of poultry appliances and can save you money.

wonder and close up; 3rd, very bright, very nice. Cockerels.—1st, a beauty from every viewpoint; 2nd, a corking good one, head and color fine; 3rd and 4th great winners at any show; 5th, also a very worthy bird, No. 2309 a beauty. Pullets.—1st, grand and good; 2nd, very fine markings; 3rd, superior quality in shape and color; others grand. Pens.—1st, a grand winner, real quality pen; 2nd, very fine, well mated; 3rd, of a very high, even quality; 4th, grand size and shape; 5th, worthy in every way.

Golden Campines.

A beauty class of 56 birds, all well shown. Cock.—1st, one of the finest and rarest in type and markings; 2nd, very strong in quality; 3rd, close up, nice quality, head, etc; others also good. Hens—1st, a beauty of rarest quality; 2nd and 3rd, both grand birds. Cockerels.—1st and 2nd, a study of beauty and worth; 3rd and 4th, both grand quality birds. Pullets.—1st, full of class, nice type; 2nd, extra fine; 3rd, and others beautiful specimens. Pens.—1st, grand in mating and quality; 2nd, very hot, fine birds; 3rd, a good collection.

Dark Cornish.

We look with extra favor on these, a fine collection of 65 birds shown. Cock.—1st, a great winner and rare bird; 2nd, a noted winner, fine type; 3rd, a husky fellow, good markings; 4th and 5th, both strong birds. Hens, 1st, a choice specimen; 2nd, grand form; 3rd, every good quality and others very good. Cockerel—1st, a most pleasing bird, rare type and color, grand station; 2nd, extra nice; 3rd, very strong and well set; 4th, strong and full shape. Pullets.—A grand lot; 1st, great color and markings, fine shape; 2nd, very nice type; 3rd, one of the beauties; 4th, a hummer in form and lacing. Pens.—1st, a rare pen of best quality; strong in shape; 2nd, close up in all quality; 3rd, well shown and fine birds.

PROTECTING THE WATER TROUGH.

The accompanying illustration shows the method of a California poultry raiser for keeping the water in the



A board cover keeps the water clean and cool.

poultry troughs fresh. The system also serves to keep the water clean.

An ordinary triangular trough is used and the water is run into this from a faucet which is allowed to drip constantly during the day. A board with a hole, through which the water may drip, is laid across the triangular trough in such a way that the fowls may get at the water easily but may not get into it or may not sit upon the edge of the trough.

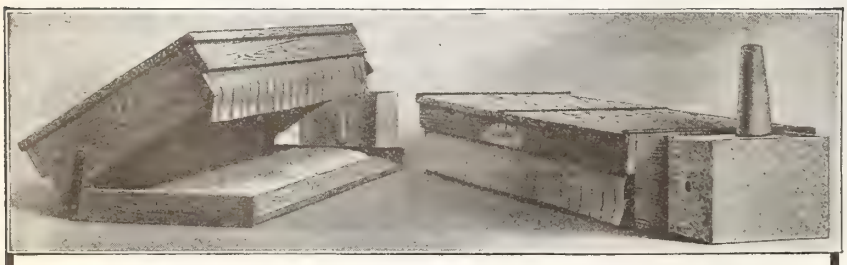
This also has a tendency to keep birds from the water. Very often sparrows bring disease to the flock by getting into the watering trough.

GOLDEN AND COLUMBIAN WYANDOTTES 100 Breeding Pullets For Quick Sale.
OLDEST AND MOST RELIABLE STRAIN IN EXISTENCE. EGGS READY.
Old Homestead Farms, J. H. McDanell, Prop., Warsaw, Kentucky

F. L. Poultry Farm Reds
Again winners at Madison Square and Grand Palace, New York.
Stock and Eggs. Mating List now ready.
F. L. OBER -:- -:- Verona, Pennsylvania

Hillswood S. C. Reds Win at both N. Y. Shows, Dec. 1913
First prize cockerel, shape special and championship of the whole class at Palace, New York, Show, and third prize cockerel at Madison Square Garden in competition with the world's best, and I am the only exhibitor to receive ribbons in the cockerel class at both of these shows.
THESE WINNINGS HAVE A "STING OF QUALITY" TO THEM
Write me your wants. I have mated a few very select pens for the egg trade that should turn out quality chicks.
My Rose Comb Reds have also produced winners.
Eggs from exhibition matings, $15 for 15. Choice matings, $5 for 15.
ERNST UNDERHILL - MORRIS PLAINS, N. J.

Eastern Star Strain Single Comb
Rhode Island Reds
AT ALTOONA, PA., JANUARY, 1914, at the State Meet of the R. I. Red Club of America, won 1st and 4th Cock, 1st, 3rd and 4th Hen, 1st and 4th Pullet and 1st Pen. Cup for best Red in the Show won by 1st hen. Cup for best female. R. I. Red State Cup for best display. The pen won the $75.00 Cup for the best pen in the Show, 86 pens competing (146 Reds in class.)
Have also proven among the best winners at
ALLENTOWN HAGERSTOWN SYRACUSE
WILLIAMSPORT JERSEY CITY SCRANTON
and other leading shows. Write me your wants. I can supply you with eggs or stock and guarantee you satisfaction, and my guarantee proper means stock at proper prices. Money refunded immediately if you are not satisfied. Mention American Poultry Journal.
L. W. Maxson Scranton, Pennsylviana



Close-To-Nature OPEN AIR Hovers
THE LONGEST PORTABLE HOVERS NOW ADVERTISED
Five feet long, warmed evenly by heater on inductive principle. Applies the three Close-To-Nature principles:
CONTACT WARMTH, like the hen.
OPEN AIR VENTILATION, not hot air.
NON-PILING OR OVERCROWDING.
Combines the Fireless with the Lamp—use the lamp for very young chicks and discard it as they grow older; or use lamp during daytime but extinguish it when chicks cluster for the night. Hinged for easy cleaning out and airing. Roosting bed of earth or litter, perfectly sanitary. Nothing like these hovers now on the market. Brooders on same principles as hovers. Don't get a brooder or hover till you have read the Close-To-Nature circular. Very low prices.
CLOSE-TO-NATURE CO., 38 Front St., COLFAX, IOWA



Mr. J. W. Andrews, of Dighton, Mass., holds a record for White Wyandotte winnings that has never been equalled. At the Boston show, which is regarded by many as the best and strongest class of White Wyandottes every year, Mr. Andrews has won first pen for six out of seven years; first cockerel for three successive years and second cockerel for four successive years. Cockerel and pen winnings in any variety are usually regarded by breeders as indicating the strength of any flock. With this as standard, then Mr. Andrews' White Wyandottes are of Triple A quality.—Louis Paul Graham.

SILVER LACED WYANDOTTES

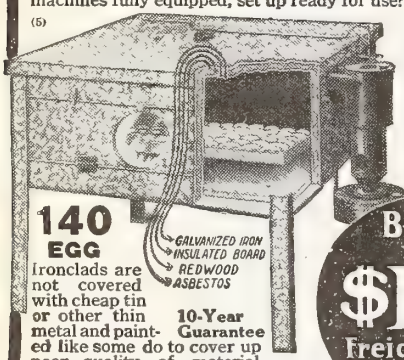
Won at CLEVELAND, 1913, 1-2 pullet, 4-5 hen, 4 cockerel, 1-3 pen—16 entries, 15 winning ribbons in large class. These winners are MATED for the EGG TRADE. Write for Mating List.

EWING & ROMICH Lock Box 393 CRESTON, OHIO

Ironclad TRADE MARK

Wins in the Two BIGGEST HATCHING Contests Ever Held

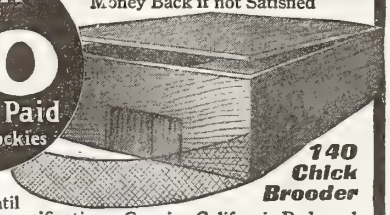
Why take chances with untried machines when for only $10 we guarantee to deliver safely, all freight charges paid (East of Rockies), BOTH of these big prize winning machines fully equipped, set up ready for use? Why not own an Ironclad—the only incubator that has for two years in succession won the **greatest hatching contest ever held?** In the last contest conducted by Missouri Valley Farmer and Nebraska Farm Journal, 2,000 Machines were entered including practically every make, style and price. With 140-egg Ironclad—the same machine we offer with Brooder freight paid, for only $10, Mrs. C. F. Merrick, Lockney, Texas, hatched 148 chicks from 148 eggs in the last contest.



140 EGG Ironclads are not covered with cheap tin or other thin metal and painted like some do to cover up poor quality of material. **10-Year Guarantee** Ironclads are shipped in the Natural color—you can see exactly what you are getting. Don't class this big, all metal covered, dependable hatcher with cheaply constructed machines—and don't buy any incubator until you know what it is made of. Note these Ironclad specifications: Genuine California Redwood, triple walls, asbestos lining, galvanized iron covering, galvanized iron legs, large egg tray, extra deep chick nursery—hot water top heat, copper tanks and boiler, self regulator, Tycos Thermometer, glass in door, set up complete ready for use and many other special advantages fully explained in Free Catalog. Write for it TODAY or order direct from this advertisement.

Both for $10 Freight Paid East of Rockies

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Money Back if not Satisfied



140 Chick Brooder

IRONCLAD INCUBATOR COMPANY, Box 61, RACINE, WIS.



Your Name and Two More

Brings You the Most Startling Incubator Offer I Ever Made

My three party offer is proving a wonderful success. Selling three hatchers where I formerly sold one enables me to make you an offer on the famous "Ideal" that you simply cannot overlook. Send in your name today and get the details. Remember this startling offer is on a hatcher that has been known for years—conceded to be the surest and easiest profit maker for poultry raisers.

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You couldn't build a better incubator. I give you the best and most economical heating system—the best regulator—automatic ventilator—safety lamp—handiest egg tester and egg trays. Easy to operate, easy to understand, simple and practical in every way.



Unconditional Guarantee and All Extras FREE

And you are sure of success right from the start, for I'll give you all the coaching you want. My 26 years' experience is for you to draw from. Ask for my latest book "Poultry for Profit" *Free.* Send me your name and the names of two of your friends who could be interested and get my great money-saving offer. Write today. Address

J. W. Miller Co., Box 56, Rockford, Illinois

"RINGLET" BARRED PLYMOUTH ROCKS.

A Visit to the Home of E. B. Thompson, Amenia, N. Y., His Late and Greatest New York Victory. Results of 35 Years' Labor. Matings for 1914.

(WRITTEN BY H. P. SCHWAB, EASTERN REPRESENTATIVE A. P. J.)

For nearly fifty years the Barred Plymouth Rocks have been popular favorites and their history is one of unusual success. Year by year the breeders have improved their value, both as fancy and practical fowls, and are truly today superior in general worth to any other stage in their existence. While they were ever good, we feel we are within the bounds of truth in stating that during the past ten years the greatest improvements have been made and that the breeders of this age have done more and achieved greater results than have those of any other time.

It has been our custom to yearly visit the great breeders and to note the lines as they yearly are and at all have found positive evidence of progress, their ideals are high and their accomplishments great which assures still greater progress for the future.

We lately spent a day with Mr. E. B. Thompson to again view his wonderful line of "Ringlets," which has played so important a part in the progress of Barred Plymouth Rocks for upwards of thirty-five years and forms beyond question the largest and brightest pages of their entire history, one of which every breeder and lover of the variety can point to with pride, for Mr. Thompson has ever been their faithful champion and richly deserves credit for what he has done.

At the late Madison Square Garden, New York show, this season of 1913-14 Mr. Thompson won his greatest and most substantial victory, in a great class of wonder quality. Last year the season of 1912-13, he made an unequalled record and so on back for thirty-five years he has been a most consistent exhibitor and has made a total record for exhibits made and prizes won that is conclusive proof of what his line is today as well as what it ever has been from the very beginning.

At this latest and greatest of all New York shows, Mr. Thompson won cocks first and fourth, cockerels first and second, third, fourth and fifth; pullet, fifth; pens, first, second and fourth; special for champion; male, color, male, shape male, best display, best collection and many others of equal value and worth, a most stupendous achievement that we did not think it possible for any one breeder to make at this show.

The winning of all five prizes on cockerels is worthy of special consideration at all times. A feat considered impossible and improbable and one liable to stand unaproached for time to come. It is the most glorious record imaginable, one only possible with similar quality of highest perfection in shape, color and barring. Years ago Mr. Thompson won all five prizes on pullets and this has stood the test of time to this day with no breeder ever approaching this record in females.

The birds seen here at his home are a revelation. They show the quality and worth that is possible to attain in Barred Rocks. They, by their similarity, show breeding worth, and that is the real foundation of this line's success. Here are today to be seen for study and comparison four New York winning first prize cockerels, three of which also won the sweepstake specials for "Champion males," and two first prize cocks. Two first prize pen cockerels and a collection of nearly thirty other males that have won prizes of honor at the great Garden Show. The grand old champions of one, three and more years ago have handed down their superior quality with the improved label on it from generation to generation and the whole line today shows the character that made those birds famous and the quality of their day.

It must be evident to the reader who has followed the facts and knows the history of Barred Rocks and its breeders, that back of all this line and their records stands the ability of Mr. E. B. Thompson as a breeder, that he has mastered the questions is shown best by his accomplishments which leave no room

for argument, he is deep in knowledge and all attained as a result of study which we may well say he has mastered completely.

The reading of the Standard, like the reading of the law can be misconstrued and construed to fit a purpose or a condition which is not right, it is to know the real intent of the standard requirements and work accordingly that brings results, and when you get the results, to know how you got them and then to work along these same lines for further improvements. In this we can find reasons for Mr. Thompson's success. He knows his birds and their breeding and he also knows what is possible and desirable and is now on the alert to attain results. Let me here add that back of this kind of breeding is a breeding value that can't be overestimated.

Cockerel Matings for 1914.

After my arrival it did not take long before we were headed for the breeding houses and found Mr. Thompson had about completed all his matings for the year. A few were still subject to change by him and he has the breeding record of every bird used stored safely in mind and a good sound reason for every bird being just where it is. In these matings we noted several features, the most prominent one being the extraordinary rare and high quality of the birds, the evenness in shape and the soundness of color, with character in quality barring. All were alike and of an even high-grade. Every bird used has its place and a purpose which is the production of a "better Barred Plymouth Rock."

In one of the first pens seen was the first New York cockerel and champion male of a year ago (1913) and a better one never lived. He is the sire of this year's champion, and he also is the son of another champion of three years ago, with his wonderful shape he still carries the bright clean color and phenomenal barring that placed him over all others when the real test came. He is a champion in fact, the victor of wonderful contest and a sire of champions. A bird whose value will never be forgotten.

Next came "Edward," the unplaced idol of every visitor at the late New York show (at which time he was not fully matured) for color and barring, brightness and general quality he is without question the best Barred Rock male I have ever seen or handled. Here in his pen finished in feather, big and strong and full of vigor he stands lording it over a pen of hens of wondrous beauty, a mating safe to bank on for the future and the like of which we have never seen.

This year's first prize and champion cockerel was next seen, and only to be admired more than ever. His form, with fine, long sweeping back, is ideal, and here, as at New York, where he made 1913-14 history, he is a finished and most beautiful specimen.

Next was "Our Favorite," a cock with a wonderful record. Three years ago he won sixth cockerel at New York. Last year he won fifth cock and this year won fourth cock, a bird always in show condition, most excellent in line, barring and one that well carries the character of this line, to improve with age. He is an exceptionally good one.

"Pilsner," the fourth prize cockerel at the late New York show, came next. He also was an idol of the breeders and visitors at the show. His extreme straight and narrow barring won all alike and no honor or place is too great for him.

The Second New York cock of last year followed a grand big fellow of rarest form and best of barring, with a most beautiful head and the same evenness all over.

The first prize pen cockerel of this season was next, and what a beauty he is. His barring surface and under are only short of phenomenal, clean-cut, bright and sharp.

Throughout this house and two others were cockerel matings all headed by Madison Square, New York winners of their line; every bird a select one, with positive quality similar to those described. Here was seen a cock that was too young to show as a cockerel last year and not in feather to exhibit as a cock this year, that we consider one of the five or six best males on the place. His contrast of color is snappy and clean, elegant shape and a near perfect comb and like him there are many more on the place unknown to the world in general for conditions have prevented them making records, but they are here admirable and worthy.

This year's first prize New York cock was also seen mated a royal good one

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We can ship you fine eggs, chicks or stock from nice show or fine utility birds from extra heavy laying strains. All leading breeds; Chickens, Turkeys, Ducks and Geese. Priced cheap to build up new trade. We guarantee to please. MACOMB FANCIERS CO., Route 2, Macomb, Illinois

Barred Plymouth Rocks

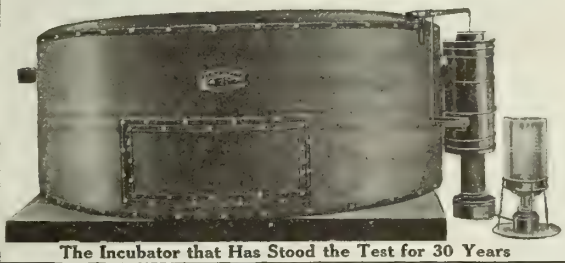
RINGLET STRAIN

1st Cockerel, Shape and Color Specials, Champion

Springfield State Show, 1914

Our pens are rich in the blood of this grand bird. We have the very best values in eggs for hatching at following prices: From fine large birds of our best blood lines—$2 per 15, or $5 per 50 eggs; from pen headed by 1st ckl. at Bloomington, Ill., score 92¾ by Hyle, $2.50 per 15 straight. Will sell eggs from my 1st Springfield ckl. and his sire's pens after April 1st at $5 per 15 eggs.

Fred P. Erdman - Highland Poultry Farm - Normal, Ill.



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Hatch more strong, vigorous chicks than any other.

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Win the CHAMPIONSHIP CUP for BEST DISPLAY at three important shows

CLEVELAND BUFFALO DETROIT

Taking more firsts and seconds than all our competitors together.

Excellent values in $5.00 females and $10.00 males. Eggs for hatching, $2.00 to $15.00 per 15.
Remember we guarantee 12 chicks per setting.
Entire satisfaction assured. Order eggs early. Mating list free.

F. A. POERTNER -:- BOX A -:- BEREA, OHIO



Second Cock, First Cockerel and First Pen Cockerel Madison Square Garden, 1913

Barker's Langshans

WINNERS At the Greatest WESTERN SHOW
At the Greatest EASTERN SHOW

This year, at Chicago Coliseum, WON ALL FIRST PRIZES, three Seconds and three Thirds.

Last year, at Madison Square Garden, New York, WON THREE FIRST PRIZES and two Seconds.

No Langshan Record Has Ever Been Made That Will Compare With This!

Satisfaction guaranteed, always.

EGGS From the Finest Matings in the World, $10.00 PER SETTING.

New mating list and new catalog free.

M. S. Barker, R.F.D. 1, Thorntown, Indiana

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Breeders of **White Orpingtons, Barred Plymouth Rocks,** and **White Wyandottes.** Our birds are the equal of the very best in America. **Our birds are prize winners, and extraordinary layers.** With all the standard requirements.

If you want to buy eggs for hatching, from stock that will bring added pleasure to your life, let us fill your order.

Eggs for hatching, $2.50 per 15, $5 per 50, $8 per 100.

Our Prices are Low, But Quality is High

Safe arrival, and satisfaction guaranteed. We pay express charges on eggs. Send in your order at once. We will book the same, and ship when you say.

Alpena Poultry Farm Box 320 Alpena, Michigan

Rose — PRINCESS REDS — Single

Best blood. Our mating list for 1914 now ready. Write for one. 10 fine pens mated for results. All of our New York State Fair, Greater Buffalo and Rochester winners in these pens. Eggs of grand quality at very reasonable prices. Cockerels and stock for sale. **RED-W-FARM, Wadsworth & Caster, Box W, WOLCOTT, NEW YORK**

Walker's Barred Rocks

Have won the following prizes this winter; at Chicago, 4 prizes; at Springfield Ill. State Show, 9 prizes and the State Barred Rock Cup; at Davenport, Ia., 12 prizes and 5 silver cups.

We have mated 5 pens, the best we ever yarded, 3 pullet mating and 2 cockerel mating. Write for mating list. We still have a few good breeding cockerels for sale, cockerel or pullet mating.

G. A. WALKER R. R. No. 1 POLO, ILLINOIS



Single Comb White Leghorns

At the Illinois State Show, 1914

My Leghorns won 2nd and 3rd Cock, 2nd and 3rd Hen, 2nd and 3rd Cockerel, 3rd and 5th Pullet and 3rd Pen. Mating list free.

A. D. TAYLOR R. 5 Springfield, Illinois



SANDY LICK POULTRY FARM

Black Buff Orpingtons

Winners at National Exhibition at Pittsburgh, Pa., Feb., 1914, I won

Black Orpingtons, Cock 1; Hen 1; Ckl. 2; Pullet 2; Pen 1; Best Display, etc.

Buff Orpingtons, Cock 1-2; Hen 1; Pullet 1-2: Pen 2. (Sold First Cockerel.)

S. C. White Leghorns. Send for catalog. Eggs for hatching from select matings. Stock for sale.

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SINGLE COMB WHITE LEGHORNS

Won in 1913 11 Specials, 12 Firsts, 9 Seconds, 7 Thirds, 2 Fourths, 3 Fifths

CHICKS; $15.00 per 100 EGGS, $8.00 PER 100

We congratulate ourselves on being able to announce the recent purchase of the entire flock of

BUFF ORPINGTONS

owned and extensively shown by Mr. W. A. Mann of Coatesville, Penna.

EGGS from these Special mated pens of BUFF ORPINGTONS, our WHITE ORPINGTONS and LIGHT BRAHMAS comprise our offerings for the season of 1914.

Write for booklet and special mating lists

W. C. GRIFFITH, Owner COATESVILLE, PA.



FIRST ANCONA PULLET-CHICAGO, 1912
BRED BY
DR. GUY BLENCOE, ALMA CENTER WISC

BLENCOE'S ANCONAS

ROSE AND SINGLE COMB

Winners for Years at Big Shows From Boston to Seattle

Won 1st Pen at Chicago this December; 1st Cockerel, 1st and 2nd Pullet, 3rd and 4th Pullet, 1st Hen—3rd Hen at Madison, 1914. Pens Mated. Get your stock and book your eggs early.

Mrs. Guy Blencoe :: Alma Center, Wis.

Member International Ancona Club.
Life Member A. P. A.

with perfect rings of barring and a true ringlet. Mr. Thompson adopted the "Ringlet" name years ago and has bred to it constantly.

The second New York cockerel of last year is as grand as ever. We can't think of him without mention of his wings, which are as good as we have ever seen on a male, and he has the same general qualities as Mr. Thompson's first winner of that year.

The second cockerel of this year follows and there are the third and fifth cockerels also of this year with the winning pen males of this and last season next in line. All are beautifully mated and all promise results.

The cockerel heading Mr. Thompson's first prize cockerel mating pen at New York last year was the last, but not least, of this wonder lot to be seen and mated with him are the same four females that were shown with him at New York and won the highest class honors.

Such matings and such quality bids well for the future Barred Plymouth Rocks in general and of the "Ringlets" in particular. Ideal shape is most evident and a line feature with barring and color all that we could desire. These qualities have been attained by breeding for them and are bred into this line for generations until they have become fully established in their breeding. There is no chance or guess to it. They have the qualities desired upon which we can bank with full confidence for the future of the breed.

PULLET MATINGS.

Mr. Thompson's pullet line has always been a rich one, full of quality and select, whose winning at the great Garden Show has always been a factor. His pen winnings have been phenomenal and to win pen requires females of the highest type and quality properly mated and matched. This year Mr. Thompson won fifth pullet at New York on a bird that is one of the two best I have ever seen in any show room. Of grand size, perfect shape and carriage, positively even in color from top to tip and of the most exquisite, narrow, clean and straight barring surface and under. Judges and breeders alike admired her, for she had all the essential qualities to grace any award that could be given. Her wings in shape, finish and color were of the best, and she was shown in the best possible condition.

In the pullet matings seen here were many notable birds. The sire of the first pen females, a noble cock of special beauty with a wonder form and head. The sire of the fifth New York pullet, a cock of fine long, full body. Snappy and cleanly barred and others of similar and equal value.

Here was seen upwards of two hundred pullet bred cockerels, full of character and of the most desirable quality. Their narrow line barring a feature, clean-cut and bright and the rule is wonderful wings. Extra strong eyes and grand heads.

The females used are a select collection including many prominent winners of note and breeders of quality. This line of females also have size and shape and are carried well. It is our opinion that Mr. Thompson has improved his female line a good fifty per cent during the past two years. On these as well as on his male line Mr. Thompson is stamping his ideal of quality. He has the right notion and being a sticker is bound to succeed.

In a general way we wish to mention two prominent and out-standing features of this whole line. They are evenness of quality and size, shape and vigor. Taken all in all the evenness of high quality is most evident, for while some few birds naturally stand out strong, none are far behind. They even up wonderfully and in all is seen the desired rich coloring and barring. Heads are fine, eyes strong and similarity very noticeable. Size and bone is extra good with shape, as near perfection as we could ask for. In all of this we can see the work and study of years. We can see the aim and purpose of thirty-five years of breeding and of the study of condition and worth.

Mr. Thompson has made a most pronounced success of his work, a success well deserved, and the American Poultry Association has well shown the esteem in which he is held by electing him as President.

We can well say that Mr. Thompson's matings are better than we have ever seen them. His line is better, his improvement greater and we can confidently look to the future for more results, for we can only expect them from just this style and kind of breeding. We find here an example of what can be

done in the poultry business. He succeeded because he did try and has kept at it all these years and his success is today as solid as old Gibraltar for it is built on worth and breeding quality alone.

Mr. Valentine Thompson is associated with his father and is a born and bred chicken man. He has learned his lesson well and has proven himself a wizard as a grower and conditioner and is a proven factor of the "Ringlet" success.

H. P. SCHWAB.

—o—

AMONG OUR ADVERTISERS.

By H. H. Coburn.

One of the most attractive mating lists that has come to my attention is issued by Frank C. Cole, Van Wert, Ohio. He is a breeder of Buff Rocks and at the last Chicago show made some very fine winnings. His prices are very moderate.

* * *

Eggs from his R. C. Reds, the ones that won at the Cleveland show, are what W. F. Zimmerman, of Willoughby, Ohio, is offering. He has some mighty classy stock to raise winners from and his prices are right.

* * *

If you are in the market for Golden Campine eggs from the farm of Mrs. A. A. Carver, of Seville, Ohio, you will have to hurry, for she is receiving a flood of orders.

* * *

Red Sussex Farm, of Marysville, Mich., is offering silver cups to customers winning first cockerel and pullet, in strain of Red Sussex, at shows of 600 or more entries. Look for their ad.

* * *

"A bird in the hand is worth two in the bush." Buy day-old chicks instead of eggs. That is the advice of G. H. Kichline, proprietor of the Old Honesty Hatchery of New Washington, Ohio. He ships chicks to all parts of the country—chicks that live to grace the show room.

* * *

With his first Cleveland cockerel of a year ago, R. D. Owen, of Creston, Ohio, sired some of this year's biggest winners in Silver Laced Wyandottes. He has again mated this bird with the result of better females than ever, the open lacing is the best I have seen.

* * *

When you have S. C. Black Orpingtons in mind, don't overlook the farm of Gertrude H. Kelly, of Willoughby, Ohio. She has some of the finest birds you ever laid eyes on. Write for her mating list.

* * *

One of the greatest display exhibits at the recent Indianapolis show, was the pen of White Rocks owned by U. R. Fishel, of Hope, Ind. A beautiful lot of birds they attracted the attention of everyone in attendance. Mr. Fishel's breeding pens are larger than ever this year and he is in a position to handle a large egg and baby chick trade.

* * *

One of the largest exclusive breeders of S. C. Buff Leghorns in the country is F. S. Smith, of Hamilton, Ohio. In spite of his very heavy losses in the big flood of last year, he has a wonderful mating list and it will pay you to write him.

* * *

S. D. Hall, the manager of Mound Hill Farm, Seville, Ohio, is in shape to handle any size egg or chick order which you send him. You will find the Mound Hill, Silver and Golden Compines and S. C. White Leghorns very excellent birds.

* * *

With White Wyandottes of the J. C. Fishel & Son strain, Fred T. Rose, of Franklin, Ind., and Strausberg, of Greensburg, Ind., won first cock, third and fourth hen, first cockerel, second pullet, first young pen and first and second old pen.

* * *

One of the world's largest specialty breeders is Gensemer Bros., of Creston, Ohio. They breed Silver and Golden Campines and that they breed them right is shown by their big Cleveland and Chicago Coliseum winnings. Write for a copy of their mating list.

* * *

Charles W. Switzer, of South Euclid, Ohio, has twenty-five pens of the world's best S. C. Buff Orpingtons, mated for the egg trade. Get one of his cockerels and improve your color and type.

* * *

Headed by and containing the win-

SENSATION BLOOD MAKES FEATHERS RED

Dark, even, brilliant red found to perfection only in his descendants. Nine entries in R. C. Reds at South Bend, Indiana, won nine ribbons. Eggs, $5.00, $3.00 and $1.50 per 15. Baby Chicks, 50c, 30c and 20c each.

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Covert's Buff Orpingtons

Winners at Knoxville, Terre Haute and Indianapolis. 22 birds shown 18 winners at the above shows. Grand pens mated for eggs.

Baby Chicks from all matings shipped in good condition and full count guaranteed. Catalogue free to those interested in good Orpingtons. Write today.

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Good Breeding Cockerels at $3, $4 and $5

Eggs, $5 per 15 from Choice Pens
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Our birds appeal to breeders of discriminating taste, who take pride in breeding high class campines. Circular describing Co Co's for stamp. Write.

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America's Greatest Winning Strain of

White Wyandottes

Continuous Winners at Boston for Sixteen Years

Won First Pen 1906, '07, '09, '10, '11, 13
First Cockerel 1907, '10, '11, '12
Second Cockerel 1897, '98, 1910, '11, '12, '13

Eggs for Hatching

From 10 of the finest matings ever bred, that will produce next season's winners for you. Bred on true Wyandotte lines that can lay eggs and win prizes. Send for mating list.

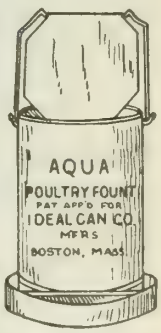
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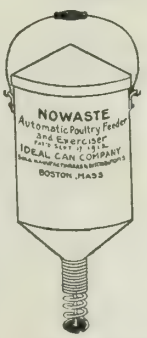
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3. Universal for all ages and kinds of poultry.
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5. Birds can not perch on top, therefore fount is positively sanitary.

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Automatic Feeder and Exerciser

The only Feeder that fowls must make a real effort to operate.



Can be adjusted to feed any quantity desired.

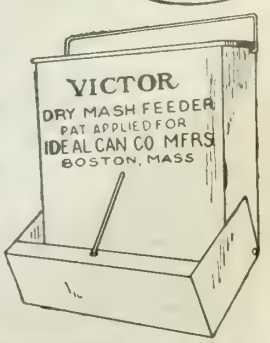
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Dry Food Hopper

with all the essential features. Largest size on the market for the money. Holds over 9 quarts.

Clog proof as near as mechanical science can make it. Adjustable to any flow of grain desired.



Its larger size and low retail price give it preference over ordinary grit feeders. **Price, 75c.**

If your Grain, Poultry Supply or Hardware Dealer will not supply you we will. Express paid.

IDEAL CAN CO., Sole Manufacturers

147 North Washington Street -:- Boston, Massachusetts

ners of Cleveland, Hagerstown and other shows, is what the mating list of W. F. Schultz, of Cuyahoga Falls, Ohio, is composed of. Eggs from these Buff Wyandottes should surely produce birds that will make them all step lively.

* * *

Ernst Birkholz, of Willoughby, Ohio, made a great winning at Cleveland. He is offering cockerels of same breeding as these winners, everyone of them a bird that can reproduce in quality and type. His mating list is now ready. Write for it.

* * *

Charles G. Pape, of Fort Wayne, Ind., is having a rush of orders for settings from his great S. C. Black Minorcas. His mating list is ready, write for a copy. It tells you all about his great winnings.

* * *

Oscar Holtzapple, of Elida, Ohio, had a wonderful breeding year with his S. C. Reds. His mating list contains winners from Cleveland, Toledo, Columbus and Fort Wayne. His reds are especially fine in type, a dark rich, red, running fine in head points. He has a few very fine cockerels for sale and you will not regret bringing his strain into your flock.

* * *

The matings of M. C. De Loof, of Willoughby, Ohio, are headed by his Rose Comb Red winners of Hagerstown, Cleveland, Youngstown and Buffalo. A lot of high-class birds and they will no doubt bring forth some very fancy fowls.

* * *

One of the big Cleveland 1913 winners was Ewing and Romich, of Creston, Ohio. Anyone ordering eggs from the matings of these fine Silver Laced Wyandottes, are bound to get good birds.

* * *

If you are in the market for S. C. Red cockerels that can produce some grand young stock, write to B. M. Billings at Oberlin, Ohio. He also has a very fine mating list and can supply your egg wants.

* * *

The Buschmann-Pierce Red Farms located at Carmel, Ind., have just issued a beautiful three-colored 64-page catalog. It tells you all about their wonderful birds and also about the 40 pens they have mated for this year's egg trade. This book is free. Just drop a line to their main office. Address Buschmann-Pierce Red Farm, 839 State Life Bldg., Indianapolis, Ind.

* * *

W. O. Lyle & Son, of Gnadenhutten, Ohio, have some fine male Partridge Rocks for sale, birds that will make winning cocks, and their prices are reasonable. They have some very fine matings, so be sure to write for the list.

* * *

A record of having won 300 ribbons, cups and A. P. A. medal is what F. S. Bullington, of Richmond, Va., boasts of. This record was made with his S. C. White Orpingtons. Mr. Bullington has had years of success with this type of bird. In fact he was one of the first ones to take up this breed. Today he is the secretary and treasurer of the S. C. White Orpington Club. His farm is located just outside of Richmond, where he has plenty of range for young stock and he also has several farmers who breed for him, so that all in all he has a very large farm. His matings are composed of the finest pens to be found anywhere, so if you want to win get eggs from them. A Blue Ribbon male will be of great help to you. Write for prices.

* * *

A very neat mating list just out tells you all about his great list of winners. Letters from his satisfied customers and several half-tone cuts of his beautiful Single Comb Reds, is what B. H. Scranton, of Rising Sun, Ind., is sending all who ask for a copy. Be sure to get a copy.

* * *

One of the large specialty breeders is Willard J. Thorniley, of Marietta, Ohio. He raises Anconas, raises them by the hundreds and ships eggs in large quantities all over. He has some very fine matings and no matter how small or how large your order may be, he will be glad to serve you. All the cuts shown in his catalog are from life unretouched, as you will find if you visit his farm, where you are at all times welcome. A man who has been producing winners for years, it will pay you to write for his mating list.

* * *

At the recent Detroit show, the Longfield Farms R. C. Reds, of Bluffton, Ind., won first cock, second and third hen, first, second, fourth and fifth pullet, first and second cockerel, first old pen, second young pen, medal for best pen and silver cup for best display. A very fine record won by a fine firm.

* * *

Showing his Wingold Buff Orpingtons at the late Detroit show, F. A. Poertner, of Berea, Ohio, won fourth cock, fourth hen, fourth cockerel, first, fourth and fifth pullet, second and third pen, silver cup for best display, silver cup for best pullet, cash special for best cock, hen, cockerel and pullet, also cash special on pen. At the great International show at Buffalo he won second, third and fourth cock, first, second and third hen, first, second and fourth cockerel, first, second and third pullet, first and second pen, silver cup for best display, cash special for best display in English class (this special was 92 points and the nearest competitor was 76) also silver cup for most points on pens in English class. This great list of winners is in Mr. Poertner's yards for the 1914 egg trade. The Wingolds also won the championship cup at Cleveland, Buffalo and Detroit.

* * *

With King Ringy the fifth heading one of his many pens, W. D. Holterman, of Fort Wayne, Ind., is in a position to handle a large egg trade. Mr. Holterman has just issued a handsome new catalog, it is free if you write him and mention the A. P. J.

* * *

Black, White and Buff Orpingtons, White, Brown and Buff Leghorns, Partridges, Barred and White Plymouth Rocks, S. C. Rhode Island Reds, S. C. Black Minorcas, Anconas, Buff Cochins, White Wyandottes and Cornish Indian Games—are the different varieties of "baby chicks" that are raised by the

BARRED PLYMOUTH ROCKS

THAT WIN

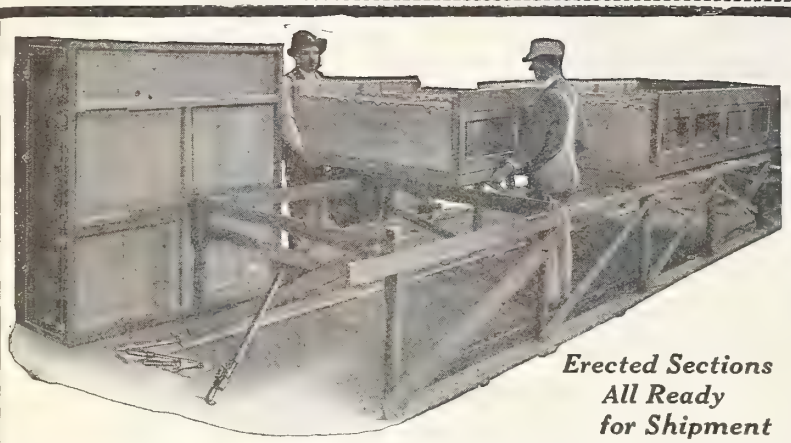
On one entry at **Chicago Coliseum** we won **1st Pullet-Mated Pen.**
Our prices are very reasonable. Can handle a few more egg orders.
Write us before buying elsewhere.

SUNNY SIDE POULTRY FARM **J. J. Klein, Prop.** **MACON, ILLINOIS**

R. C. Black Minorcas Made a Clean Sweep

at the Illinois State Fair, 1913, **winning 1st, 2nd, 3rd and 4th Cockerel, 1st, 2nd, 3rd and 4th Pullet.** No old stock exhibited. I can furnish you winners for any show. Write your wants and get my prices.

J. S. BALES **SPRINGFIELD, ILLINOIS**



Erected Sections All Ready for Shipment

The Incubator that you will receive and can install the quickest.

Newtown Giant Incubators are now shipped in erected sections—four compartments to a section. Hundreds of these sections are now in our warehouse ready to go forward. We have been working overtime to prepare to promptly accommodate those poultrymen who did not find it convenient to order before.

Each section of the Newtown Giant is erected at the factory with the exception of the pipes, which are shipped separately in bundles, reducing the freight cost. Any handy man can set these sections up on their legs, bolt them together and insert the factory-threaded and fitted pipes.
You will not need expert and expensive mechanics from the factory to install your Newtown. It will save you the erectors' railroad fare and expenses. It will save you the time and worry of waiting for the erectors to arrive, as you can easily and quickly install it yourself. It will save you much in freight charges, because the heaviest parts are shipped "knocked down."

NEWTOWN GIANT INCUBATOR

Also consider these exclusive incubator features that you will get with your Newtown Giant:

One-Minute Egg Trays Turner
Automatic Coal Feeder at Heater
Automatic Regulator of Heat, Ventilation and Moisture at Each Compartment
Single and Double Decks
Five Safeguards against "Off" Temperature
Automatic Alarm

With your Newtown Giant, you'll be able to turn all your eggs in less than 60 seconds—coal your fire but once in 24 to 48 hours—have the temperature and moisture accurately and automatically regulated in each compartment without attention—and the Five Newtown Safeguards will make your hatching a pleasure instead of a worry and a "grind."
Further convince yourself that the Newtown Giant Incubator is the machine you should install for the greatest economy of operation, no danger of loss of eggs, constant ease of mind, and for the biggest hatches of the best chicks.
Write now for catalog which contains many illustrations that plainly show each Newtown feature. A reply will come to you by return mail and shipment of your machine will be made immediately upon receipt of your order.

Newtown Giant Incubator Corp'n, 21 Warsaw Street, Harrisonburg, Va.

Miami Poultry Yards of Trenton, Ohio. This farm is owned by Joseph L. Heston. He has a capacity of 150,000 chicks and the equipment to raise, to hatch them into strong healthy birds, so that he can ship them to you in such shape that they are ready to go scratching. The parent stock is range raised and as good as the best.

* * *

The Wendell Incubator Co. of Holly, Michigan, are putting out a first-class incubator known as "Our Poor Man's Friend," sells for $6.98, also a 50-chick size for $2.50. The Wendell goods are built on merit and give absolute satisfaction. Write for catalog and mention A. P. J.

* * *

The 20th Century Hatchery of Chatfield, Ohio, are receiving a flood of orders for their White and Brown Leghorns, White and Barred Rocks and Rose Comb Red, baby chicks. This firm also handles poultry houses and brooder heaters. Write them for catalog and prices.

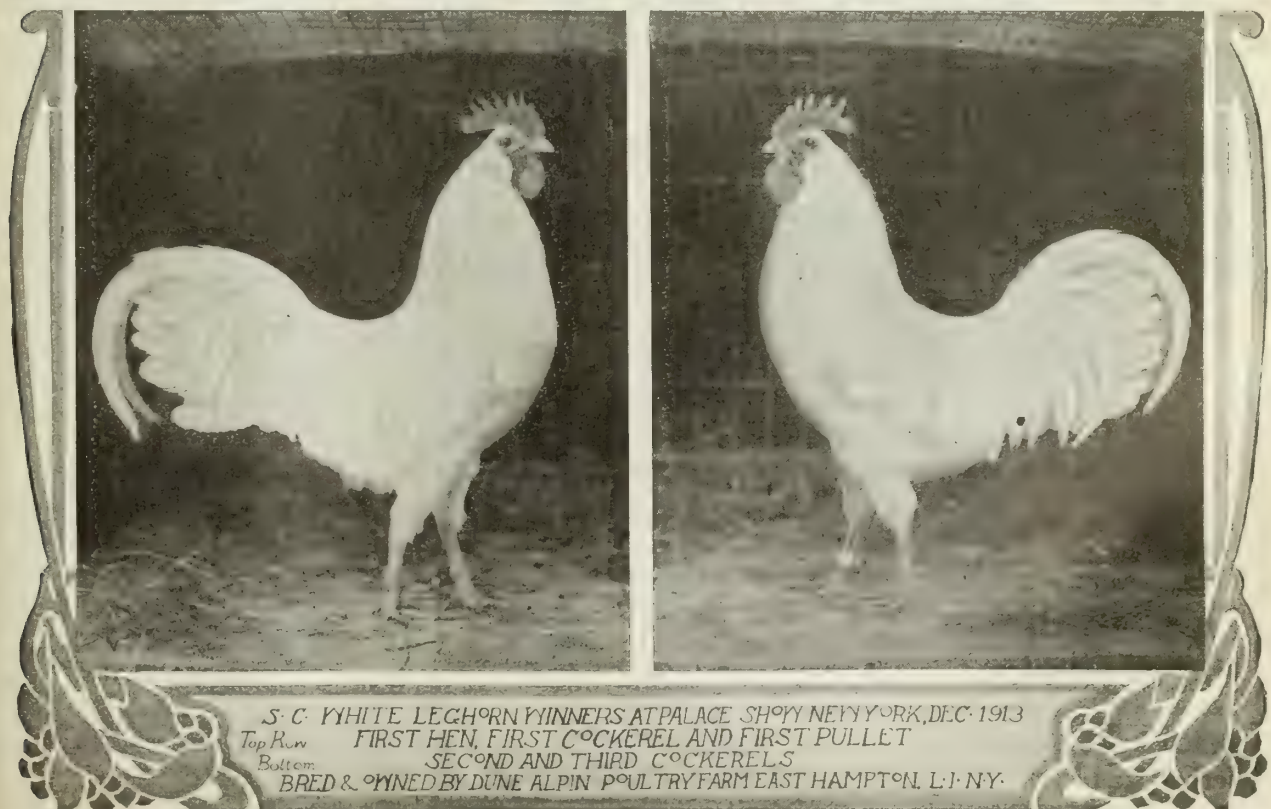
* * *

With a capacity of 100,000 eggs at one time, the Co-Operative Breeding and Hatching Co., of Tiro, Ohio, are rushed to their limit with baby chick orders. A high-class plant modern in every way, they turn out chicks healthy and strong, the kind that go into shows and win ribbons. No order is too large or too small. Write for their prices.

* * *

Located just on the edge of Bremen, Ohio, is the farm of A. F. Lyman, the S. C. White Orpington breeder. He uses colony houses exclusively and with plenty of range nice and shady, his chicks have a perfect paradise. Making one entry at Columbus he captured second pen. They were perfect snow white birds. At Chillicothe A. P. A. show he won third cock and second hen on two







GOLDEN PHEASANTS
Prices Very Reasonable

BABY CHICKS AND EGGS OF BUFF AND WHITE ORPINGTONS PARTRIDGE ROCKS

Settings from these birds bring you ribbon winners. The prices will surprise you. Write me today.

JENNIE MILNER
Normal **Illinois**



BUFF ORPINGTONS

At the Great Quincy Show, November, 1913, my Buff Orpingtons won 1st, 2nd and 5th young pen, 2nd old pen, 2nd cock, 2nd cockerel; also color special on female. A lot of grand cockerels and pullets at prices that will more than satisfy my customers.

Eggs, $5 and $10 per 15. All infertile eggs replaced.

A. A. ANDERSON :: MACON, ILLINOIS

Baby Chicks and Ducklings

Catalogue and Price List Now Ready and Will Be Sent on Request

13 Leading Varieties of Chickens and Indian Runner Ducks. **2000 to 4000 "Better Quality"** Chicks and Ducklings hatched weekly. It will pay you to write us before ordering elsewhere and learn **why** our Chicks are **"Better Quality."**

The Osbun Poultry Farm and Hatchery Co. :: Mansfield, Ohio

S. C. WHITE LEGHORNS

Hatching eggs, $1.25 per 15; $6.00 per 100. March chicks $12.00 per 100. From well-bred, hardy flock, insuring strong fertility and healthy chicks. All breeders have high egg records. A reliable source for quality stock.

JOSEPH STENZ & SON, FOND DU LAC, WIS.

PATENTS THAT PROTECT AND PAY

Send for FREE 96-page book. Advice free. Terms reasonable Highest references. Best results. Send sketch or model for FREE search. Recommended Patent Lawyer in the Banker's Register **and special list of selected lawyers.** Also in Martindale's Law Directory, Sharp & Alleman's Directory of Lawyers The Gast-Paul Directory of Lawyers, and Kime's International Law Directory.

ALL BUSINESS GIVEN PROMPT AND PROPER ATTENTION

Large List of Inventions Wanted, FREE.

A large list of strong recommendations furnished free.

Watson E. Coleman, Patent Lawyer, 622 F St., N. W., Washington, D. C.

Largest Barred Plymouth Rocks

Winning Again This Year at GREAT COLISEUM SHOW, CHICAGO December, 1913, with 3 Entries: 2nd Pullet, 3rd Pullet Mating Pen

At ILLINOIS STATE SHOW, January, 1914, with an entry of 13 birds, 11 were winners; also Best Colored Female, Best Shape and Champion Pullet.

My birds are second to none in SIZE and COLOR OF BARRING. I have furnished 87 of the winning birds this winter at some of the LARGEST SHOWS IN THE UNITED STATES AND CANADA. For the season of 1914 I have some of the grandest matings I have ever had and can furnish you eggs in any quantity. Write for catalogue of the largest Barred Plymouth Rock farm in the Mid-West. EGGS FOR HATCHING—$3.00 per 15, $8.00 per 45, $15.00 per 100.

LUTHER J. HALL -:- KENNEY, ILLINOIS

STRAIN FORDHAM FARM
BELMAR, NEW JERSEY

Light Brahmas
Pekin Ducks
Exhibition and Utility Stock
Dutch Belted Cattle
Jersey Red Pigs

Won 1st Pen, Madison Square Garden
Won 1st Cock.
Won 1st, 2nd, 3rd, 4th, 5th Hens.
Won 1st Cockerel
Monmouth Poultry Club.

E. J. STROUD, Owner

entries. At Bremen he won first pen, second cockerel and second hen. Mr. Lyman is mating four pens headed by this list of winners. I can highly recommend his birds.

* * *

For 15 years C. S. Byers, of Hazelrigg, Ind., has been a specialist in Orpingtons. He has some real classy females besides 300 grand males. They are Buff Black and Pearl White. Mr. Byers is a past master at mating and anyone purchasing his eggs can be assured of high-class stock. Orders are coming in very rapid, so write him at once.

* * *

J. H. McDanell, owner of the Old Homestead Farm, located at Warsaw, Ky., has shown his Golden and Columbian Wyandottes at Chicago, Pittsburgh, Louisville and Cincinnati for years and always came home a winner. His birds are grand in type with beautiful black points. His Goldens are as fine as any that have been produced. His mating list is a large one. Write for prices.

* * *

Rose Comb Reds owned by the Longfield Poultry Farm were exhibited at the late Detroit show and captured 1st cock, 2nd and 3d hen, 1st, 2nd and 4th pullet, 1st and 2nd cockerel, 2nd young pen, 1st old pen, cup for best display, and medal for best pen. This great winning on top of their Chicago Coliseum record places their birds in a class by themselves. Look up their ad and write them. Address Longfield Poultry Farm, Box 321, Bluffton, Ind.

* * *

At the recent St. Louis show, the Blue Ribbon Poultry Farm of Columbus, Indiana, made a clean sweep with Black Orpingtons. They exhibited at two shows at the same time, winning 9 firsts and 8 seconds, out of a possible ten in each show. It is a record that will go down in Black Orpington history. They have some grand stock for sale and it will pay you to buy a show bird for next season, so as to raise your own young show birds. Mr. Carter is mating some fine birds. You can't go wrong by giving him your egg order.

* * *

Four out of a possible six firsts, at the Cincinnati show, was the record of Bruce & Abbott of Whiteland, Indiana. This record was made with S. C. Buff Orpingtons. They also won cup for best display, all Orpington varieties competing; cup for best display of Buffs, cup for best winning on cocks, cup for best winning on hens and cup for best cockerel, cock, hen, pullet and pen. Their regular premiums were 2nd, 3d, 4th and 5th cock; 1st and 2nd hen; 1st, 3rd and 4th cockerel; 2nd, 3rd and 5th pullet; 1st, 2nd and 4th old pen and 1st, 2nd and 3rd young pen. These wonderful birds are in their matings for the 1914 egg trade.

———o———

Parsons' Poultry Plant.

In our last issue we called attention to Parson's winnings at Toledo, giving credit for three firsts, two seconds, one third and two fifths.

Our representative made an error in writing the Parsons' great list of ribbons and we hasten to correct same; they won four first prizes, two seconds, one third and three fifths, this in a large class. Another error was made in crediting them with fourth and fifth S. C. Black Orpington cock at the January Cleveland show. This should have been S. C. White Orpington, for the Parson's Plant hasn't a black fowl on their place. They have just issued a very neat and attractive mating list, so before buying get a copy. Address Parsons' Poultry Plant, Avon Lake, Ohio.

———o———

The Byers Egg Guarantee.

A new policy has been inaugurated by C. S. Byers, Orpington Specialist (Buffs, Blacks and Whites) Hazelrigg, Ind., along the line of eggs for hatching. He guarantees eight chicks to each and every setting purchased and if a less number hatch he will duplicate the original order absolutely free of charge whatever the cause of the poor hatch may have been. His only provision under these terms is that the purchaser be honest in his report of the hatch. He is the first, or among the first, to pronounce such a guarantee and readers should have cause to take particular notice of this most liberal guarantee on the part of Mr. Byers. In submitting this proposition to his customers he can only lose through the patronage of unscrupulous customers.

"The Sure Good One."

So much is said about the oyster shells as a necessary medium for lime for the chicken for egg and shell making material as if it were the only available article. Now while oyster shells are all right and we can afford to say so, if you will become acquainted with Crys-co, you will find that it not only has more available lime than oyster shells, but is an excellent grit besides.

Now what is Crys-co? It is the crystalized or petrified shell formation, from ages past, (nature's own product) in plain words, sea shells, all kinds, turned into stone, guaranteed to contain 99 per cent pure carbonate of lime. Silica, a natural glass, is contained in the combination making Crys-co hard, sharp and cubical so that it is virtually oyster shells in grit form.

Crys-co is endorsed by experiment stations and prominent breeders in the United States, who have made careful tests of same, so if you are looking for increased egg production, finer plumaged birds and more economical results, it will pay you to try it. Cost one cent per pound. Ask your dealer or write for booklet. W. A. Neusitz & Co., St. Louis, Mo.

Trap Nests.

One of the simplest and most practical "trap nests" on the market is made of galvanized iron, costs but little more than an ordinary box and is known as the Economy Trap Nest.

Just think of it, a real sanitary nest "with trap attachment" at just a little more than a common nest would cost you. The trap is very simple and is comprised of two pieces of galvanized iron, hinged together and suspended by a hinge from roof of nest box. The ends of same slide on flanges at the side of the box, keeping it in place and preventing the hen when inside, from pushing the trap out and when outside pushing it in when closed. There are no wire triggers to set and no wires of any kind in the nest for hens to break their feathers on.

Also made in "wooden nest" with trap made of galvanized iron, and they are made with doors in back if you want them. All in all they are perfect and you should have one or more of them.

Niemann Bros. Mfg. Co., of Mt. Olive, Ill., manufactures them and if you will write them, they will be pleased to quote you prices and send you their complete catalog of hundreds of other poultry appliances. When writing be sure to mention American Poultry Journal.

Twenty Years' Temptation.

Ever since I started in the Incubator business twenty years ago, I made up my mind to produce an incubator which I could recommend in the highest possible terms and guarantee conscientiously, yet not over state things.

Almost every year for twenty years I have been advised by well-meaning people to make an Incubator with thinner walls, less durable tanks and lamps, lower in the egg chamber, or in fact, something that could be produced cheaper, so that I would be able to meet competition better. I have refused persistently to do this, because I was convinced I was right in maintaining the substantial, high-class construction of my machines and that sooner or later the poultry raisers of this country would realize it would be to their advantage to pay a little bit more money and get something that gave them satisfaction for many years.

This season, more than ever before, have I realized that this course has been the right one. I have received more testimonial letters and more follow up orders from my old customers than ever before. The fact of the matter is, forty per cent of my business so far this season has been obtained from our old customers or their friends. If you haven't my one hundred and twenty-eight page catalog, I shall be pleased to send it to you. Address J. S. Gilcrest, Des Moines Incubator Co., 1 Second St., Des Moines, Ia.

If you are going to get eggs or chicks in White Wyandottes, do not fail to write Sherman Bowden, Mansfield, Ohio, for his large illustrated mating list which he sends free. His recent winnings at the two big Cleveland, Ohio Shows is a record seldom made by one exhibitor in as popular a variety as the White Wyandottes and as big a class as are at the above shows. He also is making a specialty of two-months-old chicks.

Billings' R. I. Reds, Both Combs

I wish to say to the public that I am this season better prepared than ever to furnish winners for the coming fall and winter shows. They have the shape, color, markings and head gear that appeals to the most careful breeder. Also have good breeders at $3.00 to $5.00 each. Utility stock $1.00 each. Satisfaction guaranteed. Mention American Poultry Journal.

B. M. BILLINGS, Box A, Oberlin, Ohio

Shields' S. and R. C. Reds

Winners at leading shows wherever shown. Young stock and last season's breeders and exhibition birds at reasonable prices. No better breeding. Write today.

Chas. Shields : Library Place, North Side : Pittsburg, Pennsylvania

Peabody Farms: Crystal Hatcheries

Place orders now for Hatching Eggs and Baby Chicks from our White Feathered, Trap Nested, Heavy Laying Strains of Leghorns, Orpingtons, Rocks and Wyandottes. Ducks, Geese, Turkeys and Guineas. Mallard Ducks. Wild Geese. Pheasants. Breeders for sale.

PEABODY FARMS DEPT. A HINSDALE, ILLINOIS

Deming's Champion Strain Single Comb Rhode Island Reds

Winners of over 400 prizes the past 8 years. During the season of 1912-13 they have won at Grand Central Palace, Madison Square Garden, Boston, Albany and other large shows.

At the recent Madison Square Garden Show I won First on Pullet, Sixth Pen. At the Garden Show, Dec. 28, 1912 to Jan. 4, 1913, I won Third Pen and Fourth Cock. Some superb matings this season. Eggs from exhibition pens, $10 per 15 eggs. Send for mating list. Breeding and exhibition stock for sale at all times. **H. P. Deming, Robertsville, Conn.**

FELCH OFFERS

The product of his breeding pens of 1913 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts

THE "Maryland" STRAIN

Walden's Barred Rocks

Win at Baltimore, Md., 1914

First Prize Hen and Shape Female and Second and Fourth Pullets

The Pullet Bred Line a Specialty

My birds have won this year also at Philadelphia, Williamsport, Pittsburgh, Hagerstown, etc. For years they have won at leading shows. If you are interested in Quality **My Maryland Strain** will interest you.

My New Catalogue for the Asking

It gives you full and complete information of my line with prices, etc. Eggs for hatching from selected pens containing all my winners. Write me your wants today.

R. J. WALDEN Box A MIDDLEBURG, MARYLAND

Something New.

The Dune Alpin Poultry Farm, breeders of Single Comb White Leghorns, have just issued a neat little four-page folder. The cover shows their first prize cock at the 1913 Boston show, while the inside pages are devoted to the list of their winnings for the season, also quoting prices on eggs and baby chicks. It tells you all you want to know about their big ribbon winners and tells you in a few words. At present writing they are publishing a handsome mating list, so be sure to send in your name so that you will get a copy. Address Dune Alpin Poultry Farm, East Hampton, N. Y.

An Old Timer.

One of the old-timers, a breeder for the past twenty years, is our friend, Judge Charles Nixon. He is conceded to be one of the best poultry judges in the country and officiates at the leading shows.

When he is not in the show room picking out the birds of perfection, he is at Washington, N. J., on that big modern farm of his, raising the "Mapleside Strain" of White Wyandottes. There is no doubt but that the judge can tell good birds, but don't overlook the fact that he also knows how to breed "good birds." You can see Mapleside Strain birds winning at all big shows, no matter where you go, and anyone who buys his eggs or stock can rest assured they are buying quality.

Just drop the Judge a card, tell him what you want and he will be glad to quote you prices. Address Mapleside Poultry Yards, Washington, N. J.

A New One.

With this issue of the A. P. J. I wish to call your attention to an old breeder, but a new advertiser. He has been in the game for the past five years and in that time has made a wonderful show record.

Mr. Syl. T. McCabe of Columbus, Ohio, breeds S. C. Black Orpingtons and the following list of prize winners are all in his mating pens. His yearling cock bird January Jr. is one of the greatest birds ever shown. He won 1st cockerel at 1913 Ohio State Show, then as a cock bird 1st at the same show of 1914, 1st cock at American Fanciers' Assn., at Cincinnati, also special ribbon for best shaped male. At the Columbus State Show, 1913, Mr. McCabe won 1st cock, 1st and 2nd cockerel and 4th hen, on four entries. On five entries at the American Fanciers' Assn. Show, Dec., 1913, he won 1st cock, 2nd and 4th cockerel, 3rd and 4th hen. At the same show of 1912, on two entries, he won 2nd cock and 3rd cockerel. At the 1914 Columbus, Ohio, State Show, 1st cock, 1st and 2nd cockerel; 1st, 2nd, 3rd and 4th hen; 1st pen; "he did not enter any pullets," ribbon for best shaped male and ribbon for best female. He has made a very good record and it will pay you to get his prices. Address, Syl. T. McCabe, 535 W. 4th Ave., Columbus, Ohio.—H. H. Coburn.

For 20 Years.

Chas. V. Keeler has been handling White Wyandottes, and today he stands among the largest exclusive breeders that we have. His birds are known as "The World's Greatest Strain," and have won at such leading shows as New York, Chicago, St. Louis, Pittsburgh, New Orleans, Indianapolis, Washington, Kansas City, Dallas, Los Angeles, Portland World's Fair, also a number of smaller shows. Stock raised from his eggs are shipped to all parts of the globe, England, South Africa, New Zealand and Australia. At the 1914 Indianapolis show he captured 1st, 2nd, 3rd and 5th cock; 1st, 2nd, 3rd and 5th hen, 1st, 3rd, 4th and 5th cockerel; 1st, 2nd, 3rd and 4th old pen; 1st, 2nd and 3rd young pen; silver cup for best display; Natl. White Wyandotte Club silver cup for best cock, hen, cockerel and pullet. These birds looked beautiful and they were all as white as snow.

Mr. Keeler has about 2,000 birds for sale, besides having 16 pens mated, all pens headed by winners. He is in a position to handle any and all orders. Just write him your wants, he will do the rest. Address, Chas. V. Keeler, Route 11, Winamac, Ind.—H. H. Coburn.

A Wonderful Farm.

Some time ago I had the pleasure of calling on N. V. Fogg, one of the largest and leading S. C. White Leghorn breeders in the United States. Mr. Fogg's farm is enormous and with its buildings and colony houses it reminds one of a small city. Here you will find them shipping eggs and baby chicks by the thousands, and he must give satisfaction, for year after year the same people come back and buy. The birds are all raised on free range and when it comes breeding time Mr. Fogg selects the cream of his 6,000 females, assuring you of the best he has. This is one farm that is a strong advocate of old females and they have proven by actual test, that they produce stronger chicks. Therefore his yards contain hundreds of two and three year old hens. Each year he mates up ten "extra fine" pens for fancy chick and egg trade. His cockerels win prizes all over the country. This year's matings contain 900 birds, therefore, he is in a position to fill any order of any size. Make a trip to this big farm some day. It is well worth the money spent to see it. Write for catalog. Address, N. V. Fogg, Mount Sterling, Ky.—H. H. Coburn.

Pleasant View.

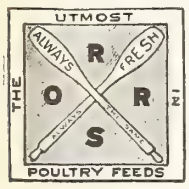
Is the name of Paul Klingbeil's farm, located at Walpole, Mass. It is the home of his famous Partridge Plymouth Rocks, the birds who are always in the winning list at the big New York and Boston shows. In fact, his birds are so good that with every advertisement he runs, he always says "satisfaction guaranteed."

At the recent Boston show Mr. Klingbeil did not enter any birds for prizes, but he had two of the best pens of Partridge Rocks that were ever displayed.

If you will drop Mr. Klingbeil a postal he will be glad to quote you prices. Address Pleasant View Fruit and Poultry Farm, Walpole, Mass.

When you look at the list of winners from the big shows, you are always sure to find the Payne Bros. and their Rose Comb Rhode Island Reds.

These two gentlemen, living down at Portland, Conn., have one of the finest equipped poultry plants in the country; it is modern in every way and a trip to their place is a pleasure never to be forgotten. We doubt if you will find better birds in the world than those raised by them and it will pay you to write them for prices. Address Payne Bros., Portland, Conn.



Orr's Special Chick Feed

Used by such men as D. W. Young; H. J. Fiske; D. J. Lambert, E. B. Thompson; Est. J. P. Morgan; Est. E. H. Harriman, and many others. Don't ruin the baby chicks with an inferior chick feed. We guarantee every particle; it is sound, sweet and palatable; will not get musty or sour. **It's always fresh.** You cannot raise the best strong, hardy chicks without **Orr's Chick Feed.** Our **mash, scratch** and **growing feeds** are the best made. **Old white cracked corn** one of our specialties. Send for booklet free; also price list.

WM. ORR & SONS . Box 5 ORR'S MILLS, NEW YORK

PREMIER WHITE WYANDOTTES

CHAMPIONS AT CANADA'S GREATEST SHOW, 1913

At the **"Ontario,"** Canada's Madison Square Garden Show (6,000 birds shown), in a class of 259 White Wyandottes, my birds won: Hens, 1st and 7th; Cock, 8th; Cockerels, 2nd, 7th, 8th and 10th (79 competing); Pullets, 2nd, 3rd, 4th, 5th, 6th, 7th and 9th (79 competing); $50.00 Club Silver Challenge Cup and the Bullock Memorial Cup for best Cock, Hen, Cockerel and Pullet. Special for best Hen. Special for best Cockerel and Pullet, Collection, etc., completing a record win of exceptional merit in a wonderful class of quality and winning more regular and special prizes than any five of my competitors combined.

Eggs, $5 per 15. Write today.

SID SAUNDERS, Secy.-Treas. Can. W. Wyandotte Club, Box A, INGERSOLL, ONT.

If I Buy Baby Chicks Will They Mature Into Pullets Like These?



Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs, that's the question before everyone who buys day-old chicks. It is not the first price that counts—but will they be right at maturity?

Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

From Utility Matings

Will mature into long backed, well made birds, pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

Our Flocks are Vigorous

All Fall our flocks have roamed meadows and woods accumulating health and vigor. They are now in Winter quarters so full of life and vitality that their chicks will be strong and sturdy.

Here is the Caldwell Selling Plan

We are now booking orders for "Baby Chicks of Quality" for Spring delivery. We never have been in such fine shape to handle orders of any size. Our fine plant is fully stocked with the finest birds we ever owned of both utility and exhibition quality. An early placed order enables us to so arrange our hatchings that we save money. By your faith you are entitled to that saving so we will allow you discounts for early placed orders, the earlier the greater the discount. **Safe arrival of chicks is guaranteed.**

A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you,

R. C. Caldwell : Box 1021 : Lyndon, Ross County, Ohio

Notes from the South-west

Conducted by H. H. Stoddard, Riviera, Texas

It Takes Time.

HAVE said before in these columns, and want to repeat, with extreme emphasis, that a perfect machine or a perfect system of industry cannot be contrived in a year, or in ten years. Have worked a long time trying to perfect a coop for a hen with her brood. Think it will take two years longer at least to master this seemingly insignificant subject. Hundreds of pictures showing as many different styles of coops have been published during forty years, in poultry books and papers. It is to laugh at the whole shooting match, if you contemplate brooding large numbers of chickens by the natural method. It is harder to contrive such a coop then to invent a good brooder.

* * *

The blue-bug pest is exclusively a southern institution, so far as I know. Have never seen a blue bug, but he is cousin to the bed bug. Very hard to eradicate when once in a poultry house. He is long and thin and forces himself into a very small crevice. A swarm of blue bugs will kill an adult fowl in one night if the bird is confined in a coop where it cannot escape. In some parts of Texas it has occurred again and again, so that people have burned their poultry houses to the ground in desperation, after trying every insecticide in the drug store.

* * *

"The simple coating of eggs with unsalted lard is said, by the Lucca (Italy) Chamber of Commerce, to keep them perfectly fresh for a year if stored in a cool, airy place, according to a report from Consul Deedmeyer, of Leghorn."

There it is again. When I was in the alphabet class, people were trying to keep eggs fresh by stopping the pores with this and that. You might as well try to make hair grow on the lid of a copper tea kettle by using a quack hair restorer. Grease or oil of any kind keeps out the air, thus retarding decay somewhat, but the oil soon becomes rancid, giving to the contents of the egg what Shakespeare calls "a most ancient and fish-like smell." Thus the remedy becomes worse than the disease.

* * *

The best place for farming is not the best place for poultry, and the best place for poultry is not the best place for farming. When thirty-five to forty-five inches of rain is the annual average it is a good farming locality, if soil and other things are right, but there is too much wet for poultry to thrive to the utmost. Where the rainfall is twenty inches or below, poultry are happy, but farming if carried on at all must be by the Campbell system, or else by the expensive method of irrigation. There is a curious betwixt and between region where I am, in Kleberg County, Texas. Rainfall is twenty-five and six-tenths inches and so evenly distributed through the year that fowls roosting in the open do not mind it, and yet by a tight squeeze, rape and other poultry greens can ordinarily be raised by rainfall farming.

* * *

Almost always when people tell you they are thinking of "going into the poultry business" they have their eyes on raising chickens to sell for the food market. But in running the first regular egg farm that so far as known ever existed in this country (for in the early sixties there was no need of any) it



1914 Model

Beats the Neighborhood

I ran the little Queen at sea level when the ice froze one inch thick in a pan under it and got 112 chicks out of 118 eggs. I skinned everything in the neighborhood, and mind you, this is my first experience with incubators.

M. L. PETERMAN, Fraser Mills, Can.

201 Eggs, 200 Chicks

With 232 eggs, 201 after testing, I hatched 200 chicks and one failed to pip the shell. Am sending picture. I must say I am more than pleased with my Queen and would not do without it.

CHAS. J. RAUGH,
Jenero, Ohio

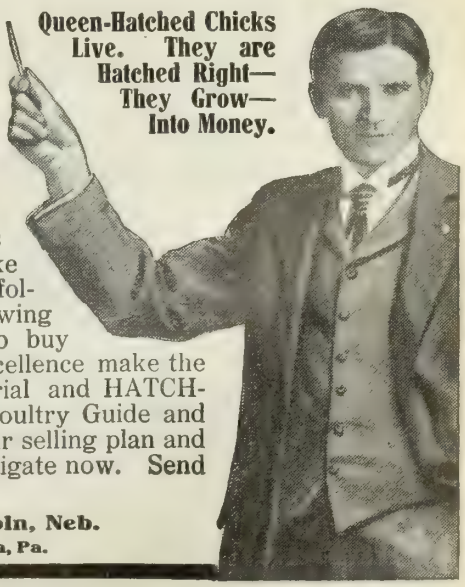
Started With One QUEEN—Now Using Forty-four

This QUEEN worked so satisfactorily that in the following spring we ordered six more of the same size (360-egg). When we decided to establish our large hatchery in Philadelphia in 1911, we placed our order with you for 23 more 360-egg QUEENS. This spring (1913) we purchased 10 of the Ranch size QUEENS (560 eggs) and altogether we are now operating thirty-four 360-egg QUEENS and ten 560-egg QUEENS. They turn out a better average per cent hatch and produce stronger chicks than any other make we ever used.

C. TOWNSEND ALLEN, Mgr. Orchard Poultry Farms, Philadelphia, Pa.

Put your good eggs in this dependable machine.
You can do what others are doing with the

Queen Incubator



Queen-Hatched Chicks Live. They are Hatched Right—They Grow—Into Money.

Hatching chicks is a certainty with the Queen—the incubator that runs itself; that runs true; that applies hatching conditions correctly the year around. It is not just a few people who make Queen successes. Everybody succeeds with the Queen who follows our instructions. See above letters. Success means growing into bigger business. A Queen hatches out the money to buy additional machines and make bigger profit. 28 points of excellence make the Automatic Queen distinctive in construction, quality of material and HATCHABILITY. Don't buy any incubator till you read the Queen Poultry Guide and catalog. It is free. It makes everything plain, including the fair selling plan and low price laid down at your railroad station. Start in to investigate now. Send for book today.

QUEEN INCUBATOR COMPANY, Box 4, Lincoln, Neb.

PRATT FOOD COMPANY, Eastern Distributer, Philadelphia, Pa.

THE WORLD'S BEST LAYERS

TRAP-NESTED 200 EGG STRAIN



White Rock "Lady Show You"—281 Eggs
R. C. R. I. Red "Lady Hattie"—255 Eggs

STOCK EGGS

BABY CHICKS

THE WORLD'S BEST LAYERS

BARRED ROCK | BUFF ORPINGTON | S. C. R. I. RED



Lady Vera 235 Eggs | Lady May 219 Eggs | Lady Agnes 236 Eggs

Eggs and Baby Chicks

from profitable layers is your only guarantee for SUCCESS in the poultry business.

Isn't it a serious matter when eggs are selling for 35c to 50c a dozen and your hens are not laying? Ask the man who has failed. Also ask him if he would recommend the breeder he bought his stock from.

I breed for eggs and can furnish you stock that will lay when eggs are high. THAT MEANS YOUR SUCCESS.

PRICES:	EGGS	BABY CHICKS
From Stock with records of better than 200 eggs and their special matings	30c each	50c each
From stock with records of 144 to 199 eggs and their special matings	20c each	35c each
From stock without records but from trap-nested blood lines	10c each	20c each

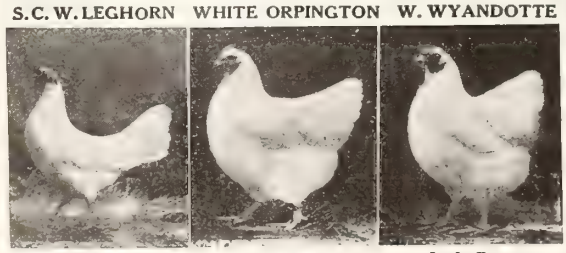
Note:—There are no discounts on eggs or baby chicks in lots of less than 200. Can make prompt delivery of eggs and baby chicks. Write for sales list. My instructive catalog is free.

John G. Poorman:

Midlothian Farms and Hatchery

Box 100 : : : : Tinley Park, Illinois

S.C.W. LEGHORN | WHITE ORPINGTON | W. WYANDOTTE



Lady Beatrice 240 Eggs | Lady Grace 232 Eggs | Lady Rose 232 Eggs

was discovered, and published at the time, that the surplus cockerels and hens past their prime kept the meat side of the poultry market better supplied than the egg side. It has been that way ever since, and with the discrepancy constantly increasing. The first regular egg route of record, where families were served just as milk had been for quite a while, served on regular milk routes, was at Hartford, Conn., and revealed the fact that, whether the customers were rich or poor or half way between, it seemed to make no difference, they could not or would not buy all the poultry live or dressed that had to be kept in order to produce the eggs the same families needed. In various parts of the country in years past it has occurred again and again that poultry has been raised and sold for not enough profit to pay for greasing the wheels of the wagon that hauled it to the railroad, but the people have kept right on crying louder and louder for fresh eggs.

* * *

Labor Saving.

In a few years the term "labor saving" will be bobbing up everywhere in the poultry press, and less will be heard about one hand not being able to tend more than one thousand fowls properly. This reminds me of a party, who came visiting here from Florida where he said he had been giving his whole time to poultry and kept fifteen hundred layers. He could keep two thousand, he calculated, and "do it right," but that number would be about the limit. Further conversation brought out the fact that he had nothing to do with hatching and rearing the chicks to keep good the number of layers. "My wife attends to that. She kills off a lot when first out of the incubator and then after a while kills a lot more, so that they are strong when I get hold of them. Never mind losing a lot of them. I attend to making them lay. That is where I shine." And I thought, though I said nothing, yes, you must indeed "shine" like a gem of first water or a bright star in the firmament, considering that the principal labor is hatching and rearing, and care after that isn't much and gives time to read or play checkers.

Supplying green stuff in proper quantity and chopped just right takes more time than any other branch; gathering eggs where the climate demands that it must be done often and packing them comes next; rearing chicks next, attending to hatching next, and caring for the laying stock involves the least time of all. I am, of course, not talking about a temperate latitude, which is anyway, in my opinion, not a decent place to keep poultry in large numbers.

* * *

Cottonseed.

If fowls, like cows, would only tackle cottonseed whole! The meal is the very cheapest form of protein. It is also commonly extremely fresh and sweet, so that it is even adapted for human consumption when properly cooked. As is well known, cottonseed oil is sent to Italy coming back, masquerading as "fine olive oil" suitable for delicate salads. Careful and thorough station experiments have been made as to the value of cottonseed meal as hog feed, proving that it is very serviceable and economical. Wish the stations would try it more extensively on fowls than they have done and give all poultrymen the benefit of reliable reports.

* * *

Would that there were some highly

proteinous species of grain cheaper than wheat, and as easily raised in enormous quantities as are the seeds of the non-saccharine canes. These are too much like corn to serve as wheat substitutes. Who knows but some Burbank may breed a member of the cane group to a special proteinous content? Seemingly several much more difficult things have been accomplished in the vegetable world.

If the Experiment Stations would try a sufficient number of times to find out absolutely the results when whole grains and seeds of various sorts and no ground stuff at all are fed to young and old, all their lives, compared with rations of partly whole and partly ground grains they would do lots of good. It won't do to try a dozen or twenty or a hundred birds a year and base conclusions on that. Try it till they are two or three years old. And try it on many flocks, and always have check flocks. Be sure and have the check flocks consist of exactly the same sort of fowls as regards age, housing and yarding or range, breed, vigor at the start, and every ingredient of the feed absolutely the same as regards chemical qualities, the difference being purely mechanical. And have the birds in all the flocks from stock never in an incubator or brooder for generations past so that the results will amount to something.

* * *

Indispensable Stations.

Lest I seem to preach too much on the necessity of the Experiment Stations behaving themselves better than they have been doing, just look at the results of the loudly trumpeted laying contests. Costly trials have been made to find the best breed for laying, and lo, and behold, the breed that is the best at one time stands low at another time at the same station, and is markedly different at different stations the same year.

They have been trying strains, really, not breeds, and have not been really trying them fairly at that, the ages of the competing pullets and other important factors having been sadly jumbled.

What I want very much to know myself today is the comparative laying merits of breeds, and after an experience of over seventy years keeping fowls, I do not know this. Of what earthly use is it to find that Jones' strain of Red Barbalusians lays better than Browns' particular strain of the same breed or of some other breed?

Of course, if I, an ignorant layman, assume to lay out work for a learned station staff they will say: "Teach your grandmother to suck eggs," but now, actually, honor bright, if I, right here in my grand and glorious adopted state of Texas, was determined to know whether White Wyandottes, or S. C. White Leghorns, or Barred Plymouth Rocks, were the best layers, absolutely, and also the best layers, amount of food and size of eggs considered, I would have to make my tests, not with groups representing strains, but with collections of one or a few birds from each of as many scattered sources as possible. This is too costly a proceeding for a private individual. Such work belongs to a "Sovereign State." I expect to die without ever having known the exact comparative laying merits of breeds.

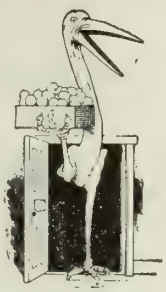
While I am speaking of the official laying contests I want to say that they have proved what was well known before, i. e., that some hens are capable of great laying feats; but the officials should also set under hens some of the eggs of some of the great winners and find out how their progeny perform, and the great winners themselves should be retained at the station to see how their laying holds out during the next two years.

* * *

Head Versus Hands.

A woman, bright and ambitious but profoundly ignorant of poultry keeping, wants to make it a business and give her whole time to it. She came to me for advice lately, and said that what filled her with dismay at the outset was the thought of building coops and such like with her "unskilled hands." I said that even were she as fully skilled at that sort of simple carpentering as some women poultry keepers at Riviera are, it would be businesslike to let it alone. She couldn't see why, and I said there were plenty of carpenters who would do it for forty cents an hour, and others, not carpenters, but simply handy with tools, who would work for twenty-five cents. If your time with fowls isn't worth fifty or sixty cents or more per hour you have no call to be in the poultry business. Same reasoning applies to a man raising his own grain for his own fowls on his own one-man poultry farm.

Day Old Chicks



from best strains. Each variety bred on separate farms, under supervision of experienced breeder. 250,000 egg capacity for the season. Exhibition stock all line bred. Utility stock bred for heavy egg production and fine table qualities. We are the only fanciers hatching chicks on a large scale. Catalog free.

Bred Right Hatched Right Satisfaction Guaranteed

Buff Orpingtons	R. C. R. I. Reds
White Orpingtons	S. C. R. I. Reds
Barred Plymouth Rocks	S. C. White Leghorns
White Plymouth Rocks	S. C. Buff Leghorns
	S. C. Brown Leghorns

TIFFIN POULTRY FARMS AND HATCHERY
DEPT. A TIFFIN, OHIO

Your Hens Need It!

PEARL "THROW PEARL TO POULTRY AND WATCH RESULTS" GRIT T.O.M.CO. TRADE MARK

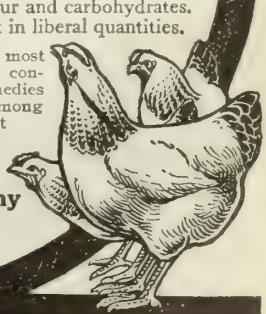
They need Pearl Grit just as badly as you need teeth. They need it to help grind their food—to make it more digestible. Pearl Grit is the best, hardest, cleanest and sharpest grit you can buy. Helps hens quickly pass the molting season—helps them lay more eggs—makes them stronger, healthier, better birds.

Pearl Grit

Serves a double purpose. Its benefits to the fowl are two-fold. Besides helping the digestive organs, it possesses great shell, egg and feather-making properties. Egg shells contain a considerable amount of lime while the egg itself contains, among other substances, sulphur and carbohydrates. All of these ingredients are found in Pearl Grit in liberal quantities.



We have just issued one of the most handsome poultry booklets ever seen. It contains simple instructions and remedies for many of the common diseases among chickens. It also tells why Pearl Grit is such a practical food. Send for a free copy today. A postal will do.



The Ohio Marble Company
10 S. Cleveland Street
PIQUA, OHIO

Not only should a thoroughly expert commercial poultry raiser avoid unskilled labor personally, but as soon as he can do so, he should instruct competent understudies to do the skilled work too, and after that he should do nothing but "boss." Bossing is popularly supposed to be an easy job, but, my beloved brethren, it is the hardest thing of all if you are pioneering in a new industry, making your own precedents as you go, and knowing full well that it is the rarest thing in the world to get a new industrial kinkum right the first time. The factory system has an advantage in being a system. I mean that different low-priced employees can be instructed for different branches of the work and can learn how to do just thus and so, same as at all the great manufactories.

I said awhile ago that some stations, other than the Missouri Station, to make doubly sure, should run on the side complete commercial poultry plants, with sufficient labor-saving contrivances to assure a profit, and publish every item of outgo and income, labor of course included, for the benefit of the public. After such plants have been proved profitable, then, by having not one-man plants, but ten-men plants and twenty-men plants, cheap unskilled hands can be taught to skilled labor, as above described, and the larger plant will be more profitable in proportion than the smaller.

The big producers of the world are those who find out how things should be done, and then show others, as Dr. P. T. Woods proclaimed, the necessity of living vegetable cells in poultry food on top of the dead cells of ground grains, mashes, rowen hay and other dry stuff, thus causing every year an aggregate of thousands of acres to be "clothed in living green," from the Atlantic to the Pacific, here and in foreign lands also. As I have said before, he also taught the advantages of the open-front poultry houses which have since in countless numbers dotted both hemispheres wherever there are domestic fowls, and as a crowning result of the labors of the best working years of his life, people's minds have been awakened all over the world to the importance of fresh air for themselves, and sleeping porches are multiplying everywhere. Poultry keeping being the most universal employment in the world, cooking excepted, the lesson on fresh air for fowls gave a corresponding les-

CARVER'S RED FARMS, Seville, Ohio, won 1st Cock, 1st, 2nd and 4th Ckls., 2nd Pen in S. C. Reds; in R. C. Reds, 1st Pen, 1st Hen, 1st Pullet, Champion R. I. Red male and female at the big Ohio A. P. A. Show. GOING SOME!

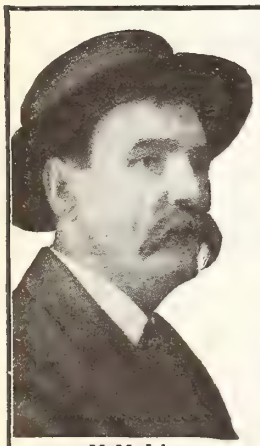
Granock Farm's S. C. White Leghorns

Win at Philadelphia, **Nine** Special, and **Five** Regular Prizes, including

Silver Cup for Best Display **Championship Cup for Best Pullet in Entire Show**

Send for our handsome illustrated catalog giving complete list of winnings, prices of our stock and eggs. **It is free.** Send your order in for hatching eggs, **From Exhibition Matings $5.00, $10.00 and $15.00 per setting of 15. Utility Matings, $1.50 per setting, $7.00 per 100, $60.00 per 1000.** Write us now. Do not delay. Satisfaction guaranteed.

GRANOCK FARM **STEWART HADDOCK** **POUGHKEEPSIE, N. Y.**



M. M. Johnson

No One Ever Spun a Yarn More Interesting than M. M. Johnson's Real Life Story—

"The Ups and Downs of an Inventor"

It's One of the Famous Chapters in the Old Trusty Catalogue

Here is a true story that has been read and re-read in more homes and by more people than many of the most popular books of fiction.

It has entertained and inspired hundreds of thousands of people who turned their efforts toward poultry raising with most gratifying success. You see Johnson on his farm, building his first Old Trusty Incubator. You see its success. Then you see how half a million people send in orders and you see how they have made and are still making big profits with



"Read It again Pa"



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FREE BOOK

The Old Trusty Incubator

It's the *real favorite* wherever poultry profits are made. It's built just as you would build it for yourself if you had the Johnson training and experience and facilities. If you were to insist upon it, *no one* could build you a better hatcher. All operating parts are as simple as can be.



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Price Still Less than $10—

Freight Paid East of Rockies—Only a trifle more delivered to Pacific Coast

20-Year Guarantee

Old Trusty Does Its Part or You Can Trade Back

Send a postal today and get this human interest story FREE. You will find it the most pleasant evening's reading ever written on the poultry subject. Then judge for yourself whether you would like to make more poultry profits this year. Write a postal *now* while you are thinking about it and get the book by return mail. The Johnsons want everyone to read it. It's free.

It Now Has Almost One Half Million Owners —FREE BOOK Tells Their Profit-Making Stories

John-son Pays the Freight

M. M. JOHNSON INCUBATOR CO., Clay Center, Nebr.

son on its value for humans. More production. The stronger the people the more work they will do. Get the angle?

* * *

Beginning Big.

You cannot to advantage begin with a few fowls, kept in the usual manner, and "work up," if your aim is commercial poultry raising on a large scale; because almost everything must be done differently on the commercial plant compared with the small one. You can "begin with a few," as is urged hundreds of times, if you want to, and you will end with a few. Seldom do any above an extremely small per cent of aspirants accumulate more than five hundred or six hundred layers. By that time they usually get to the end of their tether, and either see that their income is pitifully small in proportion to the time spent, or they have just worked their legs off, and quit because of "that tired feeling." This failure has been repeated so many times that one poultry editor asserts that poultry and eggs for the food market can never be profitably produced permanently except by farmers, or their wives and children. He has watched so many large plants that went into everlasting smash, that he claims that the future must always repeat the past. Wonder how he interprets the phenomena of the Laurelton Farms, with incubator capacity of 48,000 eggs at one time; the Pittsfield Poultry Farm Co., with 82,500 capacity; the Ingleside Hatchery, 36,000; the American Incubating Co., 48,000; the Southern Hatchery, 36,000; the California Mammoth Hatchery, 165,000, and the score or so of other large hatcheries as mentioned in A. P. J. January last?

The combined output of the large hatcheries in the country exceeds a half million of chicks per month, large numbers of which are raised at the establishments where hatched, and of those sold large numbers go to other strictly large scale poultry farms. Yet there are those who can see no farther than the farmer's mixed flock—a few hens roosting on plow handles by night and scratching up madam's flowers by day, their eggs going to the grocery, many of them bad to start with and the rest laid away to be ripened and pickled through with fumes of salt fish, onions, stale bacon, rancid butter, kerosene and Bull Durham. Farm poultry keeping is the most detestable branch of industry in the world. Considering the enormous quantity and abhorrent quality of eggs it sends to hapless consumers, it is simply industrial damnation.



Best Guarantee Ever

You trust us, we trust you. Eight chicks from every setting of eggs or duplicate entire setting free. No Ifs, Ands or Buts—Nothing said about fertility, testing on the tenth day, returning infertile eggs—no mention of Providence, the setting hen or incubator. Just a plain guarantee of

Eight Chicks from Every Setting

or replaced free. **Our Prices: $10 for 15 eggs, $18 for 30 eggs, $25 for 50 eggs.** Only ten choice matings. Bird for bird I will back them against any 90 Black Orpingtons owned by one firm in the world. No Baby Chicks—our Mating List tells why; it's Free. If you haven't our large Catalog, send for one. Get something for your money. Trust the man that trusts you. Write today.

Blue Ribbon Poultry Farm -:- Box A -:- Columbus, Indiana

ROYAL BLUE BARRED ROCKS
CHAMPIONS AT CHICAGO, 1913

In a class of 254 Barred Rocks, the cream of the East and West, they won 1st and 5th Cocks, 1st and 3d Cockerels, 1st Pullet, 1st and 2d Pullet Bred Cocks, 1st and 3d Pullet Bred Cockerels, 1st Cockerel Bred Pen, 2d Pullet Bred Pen. **Specials** for Champion Male, Champion Female, best colored Male and Female, **Sweepstakes Championship Prize** for best display of Barred Rocks.

AT NEW YORK, 1912,

they made a **WORLD'S RECORD** winning **six prizes out of eight awarded on Barred Rock Cockerels,** including First Prize and Silver Cup for **Sweepstakes Champion Cockerel.** Also Special Prize on Cockerel Mated Pen.

AT CHICAGO, 1912, they made a great record and won the **$100 Sweepstakes Championship Cup** for best display of Barred Rocks in a class of 400.

2000 Choice Exhibition and Breeding Birds at Honest Prices.

EGGS! From the World's Best Matings, all headed by New York and Chicago Winning Males.

1 Setting, $10.00 | 3 Settings, $25.00
2 Settings, 18.00 | 100 Eggs, 50.00

BABY CHICKS FROM THE CHAMPIONS AT SPECIAL PRICES

Illustrated Catalog of the World's Best Barred Rocks Free.

A. C. HAWKINS, Lock Box 25, LANCASTER, MASS.



"ROYAL BLUE" FIRST PRIZE SWEEPSTAKES CHAMPION COCKEREL AT MADISON SQ. GARDEN, NEW YORK 1911-12. BRED AND OWNED BY A. C. HAWKINS, LANCASTER, MASS.

Good Results With White Leghorns.

Editor American Poultry Journal:

I have been very much interested in the articles on production cost of new-laid eggs. Although I cannot give actual cost each month, I can give the average cost per year. Labor cost is not considered, as I do the work myself. Most people going into the poultry business for a living, with small capital, would expect to do their own work, and I think my experience might interest some. It will be noted by the monthly cost items that some months I bought upwards of $60 worth of foods and supplies; while other months I have had expenses as low as $15.55. Some months I purchased two loads of grain and other months would buy but little; so it would be difficult to get at the actual cost each month. I think these figures are very conservative, as the cost of raising 200 pullets from 200 hens is included. From my experience I believe it would be an easy matter for one man to care for 2,000 laying hens and not work more than an average of seven hours a day. This report is for 200 S. C. White Leghorns:

Month. 1912.	No. eggs laid. Dozens.	Expenses for food, litter, egg crates, etc.
October	183	$64.05
November	182	19.95
December	175	18.35
1913.		
January	220	32.81
February	250	37.98
March	349	26.40
April	316	15.55
May	269	50.56
June	222	51.44
July	196	43.53
August	138	46.05
September	138	60.14
Total for year..	2,638 doz.	$466.81

From above figures I have dropped fractions of dozens. The average cost per dozen eggs for the year (not including my labor but including upkeep of stock) was a little less than 17⅔ cents per dozen.

The following is the recapitulation from the back of my September record, including receipts from sale of day-old chicks, eggs for hatching and all profits, except birds used on home table. I also sold some birds for breeders, which is included.

Recapitulation.

Profits per month for the year.	
October, 1912	$ 23.55
November, 1912	75.55
December, 1912	68.05
January, 1913	30.19
February, 1913	33.07
March, 1913	75.64
April, 1913	53.85
May, 1913	42.24
June, 1913	6.78
July, 1913	44.24
August, 1913	11.28
September, 1913	11.96
	$476.40
Increase in stock of 100 pullets at $1 each	100.00
Net profit for year	$576.40

Profit per hen for year, average, $2.88.
Average number of eggs per hen, 158.
Cost of food per hen, including raising young, $2.33.
Average price per dozen received for eggs, 31⅓ cents.
Food cost of eggs per dozen (including rearing chicks), 17⅔ cents.
Price received for hatching eggs, $5 per hundred. Day old chicks sold at 10 cents each, cockerels, $3, and hens $1.50.

All supplies, grain, grit, shells, litter, etc., bought of local dealers; nothing raised on farm. No deduction made from profits for any money invested in poultry equipment and stock, or for interest thereon, or for permanent equipment. About $750 invested in stock and equipment. I think this report will give a fair idea of what one can expect with good stock handled by a man who has a reasonable knowledge of the business. All market eggs were sold to a dealer in New York City.

Haddam, Conn. B. B. Everett.

(Note.—We are glad to have Mr. Everett's excellent report and hope more of our readers will make similar ones. Keep track of the grain and supplies used each month and figure costs from that, also keep an account of the labor in hours, whether your own or hired labor. Figure labor at not less than 25 cents an hour.—Ed. A. P. J.)

OWEN'S SILVER LACED WYANDOTTES

At the CLEVELAND Show, January 5-10, 1914, won 1st Cockerel, 1st and 3rd Pullet, 2nd and 3rd Hen and 1st Pen. Write for prices on Eggs. Satisfaction assured. : : R. D. OWEN, CRESTON, OHIO

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COMPARISON OF TWO EGG-LAYING CONTESTS.

Totals and Average Yield per Hen for First Thirteen Weeks Ending Jan. 30, 1914, in the North American and the Storrs Competitions.

By Prince T. Woods, M. D.

JUST how much is being added to the store of poultry knowledge by the big laying contests appears to be a problem not unlike the famous query: "How old is Ann?" Last year's results compared with work thus far in this year's contests present many contradictions. Comparison of the two big Eastern contests shows surprising differences, which the reports do not account for. Taking the contests as a whole, the lesson taught would seem to be that some hens in all varieties lay well, that some are exceptionally good layers and some lay poorly, or not at all. Among our veterans in poultry culture, both H. H. Stoddard and I. K. Felch have stated time and time again that all varieties have their exceptionally fecund individuals. Mr. Felch reported a non-trap-nested Light Brahma that made a record of 313 eggs in 333 days in 1876. W. D. Crowell's trap-nested Barred Plymouth Rock made a record of 292 eggs in 365 days, ending September 28, 1913. Prof. James Dryden's grade White Leghorn, also trap-nested, is reported as producing 303 eggs in 365 days, ending November 12, 1913. In fact, for nearly forty years there have been hens galore, of many varieties, for which egg records above 200 per year have been claimed. But to date we have no really satisfactory records by which to compare the egg laying ability of the various varieties and breeds of poultry.

Mr. Felch says: "I do not care what the breed is—it is care that brings the eggs." Taking the word "care" in its broadest application, we believe that Mr. Felch is right. Any man possessed of a reasonable amount of common-hen sense, and a liking for poultry, can take fowls of almost any variety and, with good care and management, get a first class, satisfactory egg yield and a fair proportion of individuals with exceptional fecundity. The whole secret is in the man behind the hen. If he knows how to select, breed, care for and manage layers, he'll get eggs.

The North American International Egg-Laying Competition is being held at Thorndale, Pa., this year. The birds are housed five hens in a pen and there are 500 hens in the contest. The Storrs Agricultural Experiment Station Laying Contest is held at Storrs, Conn. In this contest there are 820 birds housed 10 hens in a pen. We have at hand the reports for the first thirteen weeks, ending January 30, 1914, for both contests. Singularly enough the 500 birds at Thorndale appear to be producing more eggs than the 820 at Storrs, and with single pens laying a good deal better in many cases. We wonder why?

The reports do not give much information except individual and pen egg records. We are told that "in each contest all the birds are trap-nested, fed the same ration and attended by expert poultrymen," yet, taking the whole lot of hens in each case, the Thorndale birds are producing almost twice as many eggs per hen as those at Storrs. Storrs has made no report concerning feeding and handling. Thorndale reports birds in pink of condition but getting no supplied green food, except such as is to be had in the well sodded runs during an exceptionally mild winter. We would be glad to have more detailed information from both contests; if those in charge are getting new and valuable information from handling these several varieties side by side, we hope they will keep us posted.

The following table compares the size of flocks, the total egg yield for the first thirteen weeks of the contest, and the average egg yield per hen to January 30, 1914, in both competitions:

Comparison Table, Both Contests, for Thirteen Weeks' Record.

	—North American Contest—			——Storrs Contest——		
Variety.	Number Fowls	Eggs Laid	Average per Hen	Number Fowls	Eggs Laid	Average per Hen
Barred Plymouth Rocks	20	434	21.7	40	476	11.9
White Plymouth Rocks	30	455	15.1+	70	454	6.5—
Buff Plymouth Rocks	5	210	42.	20	165	8.25
Partridge Plymouth Rocks	5	136	27.2	..	...	..
Columbian Plymouth Rocks	5	124	24.8	..	...	..
Silver Wyandottes	5	122	24.4	..	...	..
White Wyandottes	45	1,402	31.15+	50	1,559	31.18
Buff Wyandottes	5	0	0	40	348	8.7
Columbian Wyandottes	5	166	33.2	10	102	10.2
S. C. R. I. Reds	50	1,127	22.54	130	1,710	13.1+
R. C. R. I. Reds	15	350	23.3+	20	371	18.55
Light Brahmas	5	0	0	..	...	..
S. C. Brown Leghorns	5	154	30.8	..	...	..
S. C. White Leghorns	215	5,348	24.87+	330	4,199	12.7
R. C. White Leghorns	5	24	4.8	..	...	..
S. C. Buff Leghorns	5	59	11.8	10	94	9.4
S. C. Red Pyle Leghorns	5	183	36.6	..	...	..
Anconas	15	430	28.6+	..	...	..
Silver Campines	5	31	6.2	10	0	0
Blue Andalusians	..	..	..	10	25	2.5
Buff Orpingtons	20	476	23.8	10	59	5.9
White Orpingtons	25	275	11.	10	55	5.5
White-Laced Red Cornish	..	..	..	10	0	0
Silver Spangled Hamburgs	5	53	10.6	..	..	..
"Hens"	..	..	..	50	570	11.4

Even a cursory glance at above comparison table will convince anyone familiar with poultry that there must be something the matter at Storrs, also that some varieties are represented by very poor specimens, are sadly out of condition, or are not properly handled. The difference may, in part, be due to the strains from which the birds were bred, but there certainly is no such difference in the fecundity of the several varieties where all specimens are equally well selected, well bred, well cared for, and well conditioned. More details, please.



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Massachusetts Egg Farm Questions.

Q. (1) I have been interested in poultry for a number of years and as my boyhood was spent in Massachusetts I have been considering taking up the poultry business there and am seeking information. What are the essential qualifications of a successful poultryman?

A. (1) Hen sense. The ability to recognize poultry qualities and poultry values, to sense conditions of poultry comfort and productivity, to be able to SEE a hen; not only in health and constitutional vigor, but in any departure from normal, and to note both individual and flock characteristics. Capacity for painstaking work and plenty of push, pluck and perseverance are also essentials. So is a keen power of observation, a quick grasp of details, ability to know what to "let slide" and what must not be neglected; efficiency that will cover these things without waste of energy and labor and that will avoid wasting time on work that does not count for progress and profit. A liking for the business is an asset but not an essential.

Q. (2) What should be the average yearly income from 2,000 laying fowl catering to the Boston egg market? I mean gross income.

A. (2) $7,200.

Q. (3) Would $2.10 per year per hen cover the cost of feed only for a farm of 2,000 fowls, or should it be less where one could buy in quantities?

A. (3) All food considered, it will average about that. Wholesale buying will effect a small saving. Unless you do a grain business as a side line, the handling and storage of wholesale stocks of grain is a considerable item at certain seasons particularly.

Q. (4) Would a daily average per year of 40 per cent be too much to expect in eggs from a farm of 2,000 fowl?

A. (4) To figure daily average production will mislead you. The daily yield will vary at different seasons of the year and with the condition of your flock and the age of your stock birds. In flush season you may get a 60 to 65 per cent egg yield, and in seasons of scarcity you will be doing well to get a 20 per cent yield, and are likely to fall below that. It is a well selected and well cared for flock of 2,000 layers that will yield an average of twelve dozen eggs per hen for the year.

Q. (5) Would 36 cents per dozen be an average price per year for eggs sold on the Boston market?

A. (5) The average price for a number of years has been 29 to 30 cents per dozen in open market for best quality new laid eggs. Private trade averages 35 to 40 cents per dozen for the year, but it takes time to establish a private trade and it takes quality and strict attention to business to hold it.

Q. (6) Could the owner and one man run a poultry farm of 2,000 fowl as it should be run?

A. (6) Yes, if the owner knows his business and has had practical experience in handling 2,000 fowl. Experience with backyard flocks of from a dozen to fifty hens does not count for much on an egg farm.

Q. (7) Could a man with a capital of $7,000 make a proper start in the poultry business in Massachusetts?

Winnipeg, Man. R. R. K.

A. (7) He could, but should not put much of it into land, building and stock at the start, unless he has more capital to draw on for running expenses until well established. Grain and supplies are usually sold for spot cash and in quantity come with sight draft attached to bill of lading. The cost of labor and living expenses until the plant is established must be considered. Pullets will have to be grown to replace the culled out adult stock. Usually the first two years are pretty much all expense and little income. If you are experienced, $7,000 capital wisely invested should return you as good interest as it would in any other safe and legitimate busi-

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ness, but there are no "get rich quick" profits.

City Small Yard Disinfection.

Q. Living in a city I have had to keep my poultry confined in a very small yard. In damp and wet weather the odor is quite bad. What is the best method to disinfect? E. E. W.

A. Good care would have prevented yard from getting in such condition. In dry weather such yards should be scraped and swept out frequently and the scrapings used for the garden or flower beds. New soil should be added now and then. After scraping, deep spading and sowing with oats is a good plan.

With your yards in present foul condition, confine your fowls to the poultry house. Scrape off top soil of yard and use it to manure lawn, flower beds and garden. Then top dress the yard with a good heavy coat of pulverized air-slaked lime. Let it rest until all frost is out of the ground in the spring. Keep the hens in the house; they will be better off there. When ground thaws and is dry enough to work, use a good garden spade and turn the earth over well, working the lime dressing into the soil as deep as you can go with the spade. With fork and rake work the soil up fine. The oftener you stir it up the better. As soon as weather is warm enough, sow the whole yard to oats. When the sprouts are well out of the ground, let the hens have the yard again. After that keep the yard clean by frequent scraping and sweeping. When possible always scrape and sweep the run before a heavy rain threatens. The rain will help finish the work started by scraping and sweeping. Rain in a foul small yard only makes a bad matter worse. Any small yard or intensive plan of poultry keeping requires eternal vigilance to keep the soil sweet.

Slate or Gray in Black Minorca Plumage.

Q. Last spring I sent to two breeders in different states for sittings of S. C. Black Minorca eggs. Had good hatches and have some beautiful birds as regards type, combs, carriage, eyes, etc., but almost every one, from both places, has slate or gray in the feathers of wings, a few have this in body plumage and two or three have it in tails.

Is this a defect? Is it common? Have been told it will disappear after the first molt. Is that correct? Does the fault, if it is such, disqualify? If I've started with poor stock I want to discard them, but dislike much to do so, for almost every pullet is laying.

Cameron, Ill. P. T. B.

A. We wouldn't worry about it. It is a quite common minor defect and often found in young birds before the first molt. It will probably disappear after the molt. It is not a disqualification. It takes pure white in any part of the plumage, extending more than one-half inch, or two or more feathers tipped or edged with positive white to disqualify. If any of the birds show up positive white in plumage after molt it will be time enough to discard them.

We would breed them and try them out this season. From your description we should judge that you have obtained from the sittings a good percentage of excellent birds. Mate them up well and you should get some very satisfactory results. Would prefer several small matings if you can possibly manage to pen them separately. If you have a good typed, good sized, solid black pair or trio would make a special mating of them. Leg band your breeders, trap nest them if you can conveniently and so know the dams and sires of the best of this season's chicks. In any event mark the chicks from each mating for positive identification. You want lustrous black in the surface plumage with a good greenish sheen. The undercolor should be black or slate. If you can, it would be a good plan to make a mating from each breeder's stock and one or more where both strains are represented in the mating and note the results. We believe you have a good foundation to start with, for health, type and size are important factors.

Pear-Shaped Egg.

Q. Have a flock of Ancona pullets, May hatched, which started laying about the 15th of November, and have been doing fairly well ever since. Have twenty pullets and a cockerel in a house 8x10, open front. Today one of the pullets laid an egg the shape of a pear about 1¾ inches long and very rough about the middle. Can you tell me the cause? I feed them a commercial scratch grain and chowder, table scraps, have grit, shell, charcoal and fresh water before them all the time; for green food give them lettuce, celery, apple and potato peelings, etc. Would my feeding have anything to do with the egg? House is kept clean, use patent litter, have nests hung on the wall. E. P. McW.

A. Any slight temporary abnormality

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Remember This Champion Line made its best records at America's Greatest Show, **Madison Square Garden, New York. They are now better than ever.** We have a great line of stock to select and fill orders with. They have the best of breeding quality and will give absolute satisfaction. Write for my **Special Sales List of Stock.**

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Eggs for Hatching: For this year I have made but few matings. They are the best I have ever had, and from which I will sell hatching eggs without reserve. Circular and Mating List for the asking.

E. A. LICHTENWALTER, Box A, GIRARD, PENN.

of the egg duct might result in an egg such as you describe. Cause is difficult to locate. Unless the pullet habitually lays abnormal eggs would not pay any attention to it. If she lays a number of abnormal eggs and few normal ones, would kill and dress her for the table. When the egg organs get out of normal working order it seldom pays to attempt treatment.

Pullets as Sitters.

Q. (1) Will pullets do to set in the spring? Will they get broody as early as yearlings? Are they as good or as persistent as the hens?

A. (1) Either pullets or yearlings that have been laying all fall and winter are more apt to come broody early in spring than those which came into laying later. The time and frequency of broodiness varies with the individual specimen. There is no fixed rule that you can go by. Full feeding and nests full of eggs tend to promote broodiness. Pullets are seldom as reliable sitters as yearlings, but there are exceptions. Some pullets make better mothers than some yearlings, and vice versa.

Q. (2) Will March hatched pullets of American class be apt to molt in the fall? Are early hatched birds liable to molt? R. B.

Sheldon, Iowa.

A. (2) March hatched stock should not molt in fall if well handled. Management, feeding, general care, the particular season, and manner and time of shifting quarters of the flocks are all factors which have an influence on molt. We have wintered February pullets without a molt and have had May hatched stock molt in fall. If you want fall and winter layers you want early hatched pullets, and March hatched birds are none too early. February chicks are liable to molt in fall.

Feeding Pop Corn.

Q. (1) Is popped pop corn as good as field corn to keep a chicken warm when fed as an afternoon feed?

A. (1) Waste popped pop corn from a pop corn factory might be used for poultry feeding if the birds take kindly to it. The best way to feed corn is raw and whole. Pop corn with round kernels makes a good poultry food, but the sharp-pointed sorts are not usually well relished. The small, hard kernel flint corns are usually better for poultry than the large softer dent sorts. So far as warmth goes, keep the hens well fed on a good variety of food and they will keep warm. All food helps to make heat.

Q. (2) Does bread equal wheat or should wheat bran be mixed with it, and how much?

A. (2) Stale bread is all right as a variety food if not too heavily fed. Feed plain or moistened with milk or water. Mix with equal bulk of bran if you wish. White bread does not contain all of the food value of whole wheat.

Q. (3) In a 6x6x6 foot coop with 20 chickens how much opening should be left at night during winter?

Evanston, Ill. R. A. F.

A. (3) About 4 square feet in middle of front.

Mating Columbian Wyandottes.

Q. What relationship do black primaries in the male have to dark undercolor in Columbian Wyandottes, and will these be handed down regardless of undercolor? In mating Columbian Wyandottes for show purposes is it desirable to mate a little darker birds than the desired results? A. A. B.

Selby, S. Dak.

A. Dark undercolor is essential to good black markings. We would expect to find better surface color, both white and black, with dark undercolor that was bluish-white or bluish-gray. White undercolor does not appear to us to be compatible with sharp contrasty black and white markings. Would want primaries in male to be rich strong black with white edging on lower edge. White undercolor will bring cream and brassiness into the surface white.

C. L. Patterson, Barberton, Ohio, in recommendations for mating Columbian Wyandottes says:

"To produce exhibition males: Se-

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Disease Paralyzes the crop (totally or partially). Why pour medicines into a "paralyzed crop," there to lie dormant, while disease destroys?

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lect a cock of best type and stamina. In color would prefer one a trifle lighter than the strict Standard requirements, but should be clearly defined in hackle and deep laced; back clear, strength of undercolor limited. Mate with females darker than exhibition, with plenty of bluish slate undercolor. Surface clear and smooth, visible white finish. Undercolor might be strong enough to be exposed beneath body fluff and thighs. This produces a large percentage of richly colored specimens white in back.

"To produce exhibition females: Male should be unusually highly colored throughout and carrying plenty of undercolor; clear metallic hackle feathers, abundant and long flowing. Should be striped on saddle and with laced tail coverts; hocks clear of dark tipped feathers if possible. Mate with females of exhibition color, verging to a lighter shade, varying in direct proportion to male of the mating. Under-fluff should not be exposed and all portions of body plumage a clear white finish. Marbled wing flights are safe to carry consistent with a fair color in hackle."

We would be glad to have other Columbian Wyandotte breeders give details of matings and to have report of experience with single matings.

Egg Production Cost in California.

Editor American Poultry Journal:

Having been much interested in your articles on the production cost of eggs, I had thought I would write to you, but it slipped my mind until recalled by the excellent article by Mr. Jones, in the January issue of American Poultry Journal. Perhaps some figures, showing production cost and selling price here on the Pacific Coast, might prove interesting.

On January 1, 1910, I started in the chicken business in a small way in my present location, having at the beginning 130 White Leghorn hens. Since that time I have gradually increased my flock until I have at the present time about 1,500 hens—all White Leghorns.

From the first I have kept accurate records of all transactions, for, as I proposed to make a living for myself and my family, I felt that it was absolutely necessary for me to know just where I stood and whether I was keeping the chickens, or they were keeping me. After four years' experience I want to say that keeping accurate accounts is a very important part of the poultryman's work. As Mr. Jones truly says, it does not take much to shift the balance from the profit to the loss side.

These figures are not submitted to show how much money there is in the chicken business in California (I fear they would be a dismal failure if that was my object), but rather to show what it actually costs me to produce a dozen eggs at different seasons of the year and what these eggs actually bring me in the market.

The figures given cover all eggs sold or consumed and the prices received for them. I incubate from 10,000 to 15,000 eggs each year and these are figured at average price for the month in which they are placed in the machines. Besides hatching my own stock I have a nice little trade in baby chicks, which helps increase the earnings of my plant. I figure that I can bring a pullet up to laying age for what I can sell an old hen for on the market. Cockerels and cull pullets just about pay for raising.

The first year my 130 hens laid 140 eggs apiece, average. Since that I have not been able to do so well, making an average for the four years of about 120 eggs per hen per year. I realize that this is a low average, but I am telling you what I have done and not what I would like to do.

My time has been figured at fifty dollars a month, which is about what I could probably earn at such work. For the last two years I have given practically all of my time to work on my poultry plant. The first two years I figured my labor at half time. During the last year I have hired some additional help and this is figured at just what it has cost. No account is taken in the figures here given of the interest on my investment or of the upkeep of the

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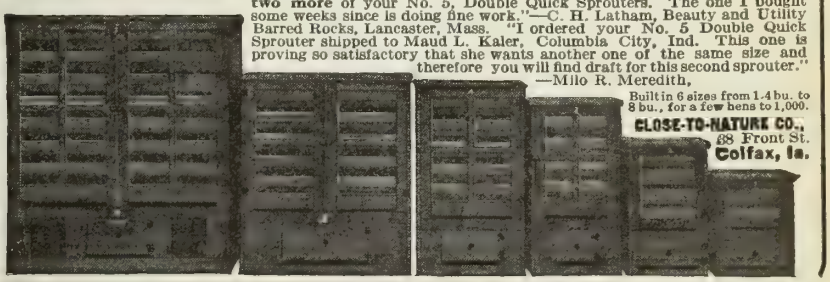
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The Double Quick Originates and introduces, others imitate and follow. Fully **100 Double Quicks** to every **half-dozen** of **all others** combined. Now in its **fourth year**; in use in every state and territory and several foreign countries; many large poultry farms use from one to five. "I am enclosing my check for **two more** of your No. 5, Double Quick Sprouters. The one I bought some weeks since is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass. "I ordered your No. 5 Double Quick Sprouter shipped to Maud L. Kaler, Columbia City, Ind. This one is proving so satisfactory that she wants another one of the same size and therefore you will find draft for this second sprouter."—Milo R. Meredith,



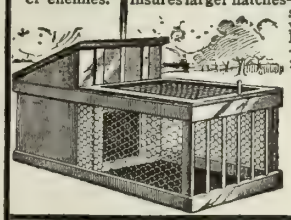
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Hodgson Portable Poultry Houses

WIGWARM Setting and Brood Coop

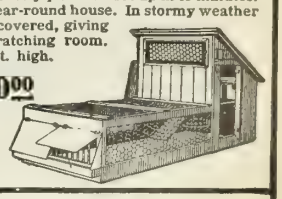
For a hen and her chicks and while she is sitting. Gives protection from rats, skunks, hawks and other enemies. Insures larger hatches—has proved its success for 22 years. Shipped knocked down—size, 2x4 ft., 2 ft. high.



$3.00

No. 0 Colony Laying House—for 12 Hens Fitted complete with nests, fountain and feed trough. Sanitary—easily cleaned. One man can easily care for several hundred birds. Nicely painted—set up in 15 minutes. A comfortable year-round house. In stormy weather the run may be covered, giving a protected scratching room. Size, 10x4 ft., 5 ft. high.

$20.00



TRADE MARK WIGWARM

WIGWARM Brooder

Hot-water and hot-air heating combined gives perfect ventilation—no danger of overheating—maintains even temperature regardless of cold outside. Used and endorsed by poultry experts and by experiment stations and such men as Dr. A. A. Brigham, Dr. N. W. Sanborn, Dr. P. T. Woods and Mr. A. F. Hunter. Size, 3x5 feet.

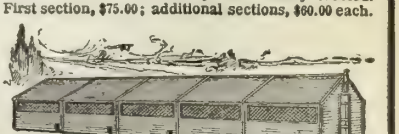


$15.00

Catalog Free

Five-Section Poultry House—10x50 ft.

Sanitary, durable, up-to-date—made of red cedar, clapboarded outside, interior sheathed. Made in 10 ft. sections, each fitted with roosts, nests and fountain. Open fronts, with canvas-covered frames. You can add sections at any time. Easily erected. First section, $75.00; additional sections, $60.00 each.



E. F. Hodgson Co. Visit our showrooms { Room 332, 116 Washington St., Boston, Mass. / Craftsman Bldg., 6 East 39th St., New York } Address all correspondence to Boston

plant, as this must come out of the profits.

I am submitting two groups of figures, one being for the year 1913 and the other being an average for the four years. The fact that the cost figures for 1913 are rather better than those for the four years leads me to hope that I am making progress.

I figure the cost of food consumed at $1.50 a hen per year, so ten dozen eggs per hen, most of which are laid when eggs are cheap, do not leave a very wide margin of profit.

Month.	Per Dozen Production Cost of Eggs. 1913.	4-Year-Average.
January	$0.26	$0.25
February	.09	.10
March	.16	.15
April	.06	.13
May	.10	.14
June	.09	.14
July	.18	.22
August	.24	.28
September	.42	.85
October	.38	.43
November	.59	.62
December	.45	.50

Month.	Per Dozen Selling Price of Eggs. 1913.	4-Year-Average.
January	$0.24	$0.28
February	.18	.22
March	.16	.17
April	.17	.18
May	.18	.19
June	.23	.21
July	.20	.23
August	.29	.28
September	.35	.34
October	.42	.39
November	.47	.43
December	.43	.38

The Oak Grove Ranch,
Levi French, Proprietor.
Oakdale, Calif.

[Note.—We are very glad to have Mr. French's carefully prepared report of his experience with production cost of eggs. We hope to hear from others who have kept careful records and we want all of our readers to keep an account of cost for 1914. Read the above report, read that of Mr. Jones in the January issue and other articles on production cost. There can be no question about it, the selling price of new laid eggs has been too low for a long time. The man who is producing first quality new-laid eggs is not getting and has not been getting a fair price for his product. We have been fed to surfeit on paper profits figured by dreamers and by men who figure in hatching eggs at long prices, and who take no account of costs other than food fed the stock. Let's have less "wild-cat" profit stories and more genuine reports of actual costs and actual returns from poultry plants, large and small, that cater to the market for table eggs and poultry. Let's get together and put the price of first quality new-laid eggs where it ought to be. Five cents per egg the year around is not too much for best quality, large, heavy, new-laid eggs, and other eggs in proportion. Value considered, that is a retail price for eggs that is very fair to the consumer. The price of doubtful quality, stale farm eggs from scavenger flocks ought not to regulate the price of new-laid eggs from well-cared-for, well-fed flocks. Get the price of good eggs up where it belongs and keep it up. Mr. French, in a personal letter, tells us that these returns are a faithful report, but not what he had hoped for when he began, but he is "going to keep trying." He is trying out the parcels post as means of getting closer to the consumer, but can't say yet whether it will prove satisfactory or not. We hope he will "keep trying" and will continue to report results and we believe he is steering a good course toward success. It is all well enough for sensationalists to rave over 300 egg hens, but even Uncle Sam's experts have difficulty in getting whole flocks of 12-dozen eggers. We have had yarns about 300 egg hens pretty regularly for a good many years. As far back as 1876 an affidavit was made for a Brahma hen record of 313 eggs in 333 days, but this hen was not trap-nested and we never got any satisfactory report of this hen's performance or how the account of her production was kept, although several times we tried to get the facts. We don't doubt there are 200 and perhaps 300 egg individual hens in many flocks, but experience and observation show that with large flocks the 10-dozen and the 12-dozen eggers are pretty good hens and much better than the general run of farm hens. It isn't fair to figure egg production costs on the performance and food consumption of 200 and 300 egg hens. We will welcome carefully kept records of egg yield and of cost of production, also cost of rearing chickens from shell to maturity. Send in the facts and work for the "five-cent new-laid egg."—Editor A. P. J.]

Can Exhibition Specimens Be Produced by Large Flock Matings?

Q. I am going back to my old home in Texas and intend to raise poultry on a rented farm. I intend to have portable houses and yards. Now, it seems customary for breeders to mate up pens of a few hens with one cock, some having ten or more pens. I raise Barred and White Plymouth Rocks and I want to know if one can, by using only high class males, and selecting hens that come near the Standard in size, shape and barring, keep up a high class of quality and keep one or more males with large flocks of hens. I want to raise stock good enough to supply a trade for thoroughbred stock and get some extra good ones to show. J. E. W.

Lombard, Ill.

A. If you want to get the maximum number of good birds and the best exhibition quality you will find it necessary to breed small matings. Some of the best results have been obtained with pairs, trios or small pens, and in working for exhibition quality few ever mate more than ten or a dozen females with one male. If, however, all you want is nice, fairly uniform birds, with now and then an extra good one, good enough to show, you can get that by using large flocks of breeders with several males and

U. R. FISHEL'S AD in this issue will interest you. Read it.

BLUE ORPINGTONS
Lehne's Blue Orpingtons Win Highest Honors at Ohio State Show, Columbus, O., Jan. 1914. Winning all firsts on single birds and Pen. Eggs from fine matings, $5.00 per 15. Circulars. Finest imported blood of this grand breed.
ADOLPH LEHNE - - MECHANICSBURG, OHIO

Clemans' Columbian Rocks
Win highest honors at Ohio State Show, Columbus, O. Jan. 1914, taking all first prizes on single birds and pen. Grand matings of heavy boned typical Rock stock. Eggs $3.00 to $5.00 per setting. Circulars.
F. M. Clemans, Mechanicsburg, Ohio

BLUE ORPINGTONS :: SILVER CAMPINES

These are the two breeds in which there is the most money, and for which there is the greatest demand. Why? Because of their wonderful laying qualities and their easiness to raise in any climate. At England's two greatest shows, viz: The Dairy and International Crystal Palace my wins in Blue Orpingtons were the following: **At the Crystal Palace Show,** 3rd Cock, 2nd and 3rd Cockerel and 2nd Pullet. **At the great Dairy Show** I won first in a class of 34 entries, the biggest class ever known in this variety. Also 3rd and 5th. **At Madison Square Garden, N. Y.,** 3rd Cock, 1st and 3rd Cockerel, 3rd Pullet, 4th Pen. Sixty-eight per cent of the winning blues at above show emanate from my yards. In Silver Campines I won 3rd Cockerel and 4th Pullet, and at Madison Square Garden 2nd Pullet, 5th Hen, 5th Pen. I can ship by return high-class breeding Blue Orpingtons and Campines at following prices. Pullets, $15, $20 and $25. Cockerels, $25, $30 and $40 each. Live delivery guaranteed in New York.

EGGS. Blue Orpingtons $17.50 (best in the world) $15 and $10 a sitting. Campines, $10 and $5 a sitting (15).

MAX DE BATHE, HARTLEY COURT, READING, ENGLAND
Vice President English Poultry Club.

growing large flocks; that is, you can get it if you use breeding stock that is well mated and has the quality in it. We have visited a number of utility plants where 100 and 150 hens are kept in one flock with from 5 to 7 males and where only good Standard quality birds are used in the matings. We have found that the progeny from such flocks runs very uniform as a rule in size, looks well "on the ground," averages very well in quality, but the percentage that "handle" well enough to show is not large; though we have seen some picked specimens from such flocks that made a very creditable showing in good company. It would be a poor practical flock that, mated as above, would not show a fair percentage of winners. The trouble with many big flock matings is that very little attention is given to mating for shape, type and color; quantity is generally what the utility man works for. We believe it would pay to do more work in selecting breeders with a view to getting better Standard quality, greater uniformity in size and type, and better performance. We will probably have to stick to small special matings for best results in Standard perfection, but with care much can be accomplished with big flocks.

If you are locating in any mild section of Texas you will not need much in the way of portable houses except roofed open-front shelters. Use portable shelters and yards and alternate crops and poultry for best results.

Wants Narrow Sections in Open-Front House.

Q.—How narrow can I have each section of a Woods' open-front poultry house and retain the advantages? I want to put up a three-section house following the general plan of the 20x20 ft. two-section house described in June, 1911, A. P. J. and in Year Book, but I do not want to build thirty feet long. Would 8x18 ft. sections work all right? What size would you recommend? Would it be necessary to run the solid part of the partition near the front?

St. Paul, Minn. F. E.

A.—8 ft.x18 ft. sections in a three-section building will work all right if you keep the height same as in the 20x20 building and use two solid partitions between sections that run from floor to roof from rear wall about nine feet toward the front. Use good sized six-light half sash in the monitor top, as large as you can get in comfortably, so that the middle sections will be well lighted in rear. We prefer dimensions 10x16 ft. or 20x20 ft. Would not make sections narrower than 8 ft.

Wants 75 Ft. Open-Front House.

Q.—Have the year book and am interested in poultry house construction. Am about building a house 75 ft. long and want it as near up-to-date as possible. Never saw a house on the Woods' plan, but it seems to me that being 4½ ft. high in front all the cleaning out would have to be done from the ends, which in a long house would be considerable of a job. Again, being so low would the sun shine very far back in the house? Would it be light enough in a 20 ft. house? Of course sun and light would come in the upper windows. Would like more information about this style of house. J. D. E.

Middleburg, Md.

A. A great many Woods' open front houses have been built, both single

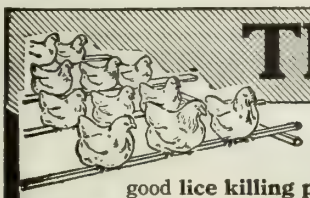
SHAKESPEARE

5TH YEAR — SEE THAT "XX"? POINTS THE WAY. START RIGHT. YOU END RIGHT

did not repeat. This is a "hunch." Do not repeat the same mistake each year by trying to hatch the impossible. Know first, **then** incubate. That is the secret of **profit** in poultry raising. Magic Egg Tester, only $2.00 each, and fully guaranteed. No expense to use and lasts a life time. Incubator specialists giving latest and best methods with every Tester. MAGIC EGG TESTER WORKS, Dept. B Buffalo, N. Y.

☞Emergency or telegraph orders to nearest dealer filled at once by parcel post. PACIFIC COAST:—Portland Seed Co., Portland, Oregon, Spokane Seed Co., Spokane, Wash. EASTERN ROCKIES:—Huttner Poultry Yards, Minneapolis, Minn., Barteldes Seed Co., Denver, Colo., Sturgis Hay and Grain Co., Phoenix, Ariz. WESTERN STATES:—M. M. Poultry Supply House, Monroe, Wis. Clark & Keller, Shawnee, Okla., Silker & Wright, Epworth, Iowa. CENTRAL WEST:—W. W. Barnhard Co., Chicago, Ill., G. H. Hunkel Co., Wilwaukee, Wis. Petaluma Incubator Co., Indianapolis, Ind., B. Riley Hauk Co., St. Louis, Mo., W. J. Yopp Seed Co. Pauducah, Ky. OHIO, W. VIRGINIA and WESTERN PENNSYLVANIA:—Tomlinson-Lamphere Co., Detroit, Mich., J. Wilder Co., Cincinnati, Ohio, Otto Schwill & Co., Memphis, Tenn., I. W. Scott & Co., Pittsburg, Pa., C. F. Braunlich & Co., Wheeling, W. Va. SOUTH WESTERN:—Bruce Poultry & Seed Co., New Orleans, La., Hargraves's Seed Store, Galveston, Texas. SOUTHERN:—The Lawson Co., Birmingham, Ala,. Crenshaw Bros. Seed Store, Tampa, Fla., H. G. Hastings & Co. Atlanta, Ga., McIntosh & Sons, Charleston, S. C. ATLANTIC COAST:—Henry F. Michell Co. and Cugley & Mullen Co., Philadelphia, Saitherwaite's Seed Store, Trenton, N. J., Southington Grain Co., Southington Conn., International Poultry Supply Co. Springfield, Mass.
CANADA:—G. A. Cameron, Milestone, Sask., A. J. Morgan Co., London, Ont., N. D. McPhie, Hamilton, Ont., Collins Mfg. Co., Toronto, Ont. Magic Egg Tester Works, Bridgeburg, Ont.

The Best Way



To Get Rid of Lice

on Poultry is to dust **them** separately with a good **lice killing powder.** Hold the fowl by the legs, head downward, so that its feathers will be open and the powder can penetrate through to the skin, especially around the vent and under the wings. **The best time** to do this is at night when the birds are at roost. The lice and mites are then on their job. It takes only a short time to dust an entire flock and the powder "works while you sleep." **The best lice killer** to use—

30 Years the Universal Favorite

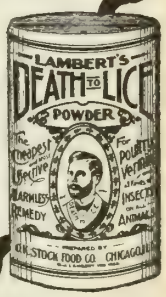
The Old Reliable

LAMBERT'S DEATH to LICE



Its effect is immediate and it does not injure eggs, hens or chicks, neither will it soil or discolor the finest plumage. It is the most reliable powder and a sure Profit Payer.

If not at your Dealers, send 10c for sample. Larger sizes, 25c, 50c and $1.00. Latest Pocketbook of Pointers (invaluable to all poultry raisers) mailed for 2c stamp.



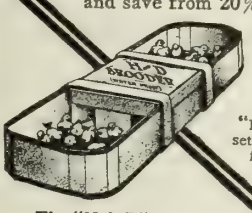
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"H & D" Shipping Boxes are neat, strong, light and compact. Made of double faced corrugated jute board, waterproof, sanitary, will not buckle or crush. Insure contents reaching purchaser in good condition and create a favorable "quality" impression. "H & D" Boxes are designed to meet all requirements of

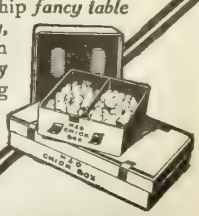
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and save from 20% to 50% on transportation charges. Ship *fancy table eggs* or *eggs for hatching, dressed poultry, vegetables, fruit* or *day old chicks* in *"H & D" Boxes.* There's a specially designed "H & D" box to meet shipping requirements of any product.

"H & D" Boxes are delivered knocked-down—easily set-up, packed and sealed for shipping. Write today for FREE illustrated booklet which tells how to pack for parcel post, express or freight.



The "H & D" Fireless Brooder



The "H & D" Chick Box



The "H & D" Brooder is built on the latest approved principles of ventilation. Made of strong corrugated jute board, it is non-absorbent, germ free, water-proof and sanitary. No cold corners, spiral felt hover mothers chicks like a hen. Double wall construction affords protection against heat and cold. Easy to keep clean. Cheap in price. Write for illustrated brooder booklet.

Is sanitary, simple and safe for shipping day old chicks by express, long or short distances. Patent ventilating device assures plenty of fresh air always. Separate compartments—no crowding, trampling or smothering of chicks. Can be sealed to prevent tampering. Strong and firm but compact, light and convenient to handle. Made in standard sizes.

Write today for free illustrated circulars and price lists.

THE HINDE & DAUCH PAPER CO. **Dept. B** **Sandusky, Ohio.**

colony type and long houses. U. R. Fishel and E. B. Thompson both use and recommend the Woods open front house. Complete information for building open-front poultry houses is given in our book, "Open air Poultry Houses for All Climates." Chicago office will furnish this book postpaid for 75 cents a copy.

Better plan to build your house eighty feet long instead of seventy-five. Use the plan of the Woods 20x20 ft. house and make four sections. We find that we get plenty of sunlight in the 20x20 ft. house and we have none of them in different locations. If the wire front is made on frames to be bolted or hooked on, the fronts can be quickly removed for cleaning in a long house and the front section is not so low that there would be difficulty in throwing litter, etc., out of front. In a 20x20 there is plenty of light in all sections. With a long house it might be well to slope the half-monitor top out a little at base and so set in the windows at an angle that will throw winter sun directly on floor in back part of house. In all colony buildings we prefer the monitor as recommended in the book and we get an abundance of light, air and sun in the building.

Greenish Spots on Wyandotte Legs.

Q. Do greenish spots on legs of Silver Wyandotte females disqualify them for show purposes?

Athens, Mich. C. S.

A. Standard disqualifies for "shanks other than yellow." It is up to the judge to decide what that means. Greenish spots on legs are a defect, but if only faintly tinted or few in number might not be construed as "other than yellow" shanks if balance of shanks are good yellow color. We have noted greenish mottling on legs of quite a few ribbon winners and presume it was counted to be only a greenish-yellow tint. Personally we like and prefer good solid clean yellow legs free from foreign color, except such red as shows at outer sides in good red-blooded males.

Feeding Cut Green Bone.

Q. 1. I have heard that feeding cut green bone decreases hatching fertility; does it?

A. (1) Feeding cut green bone will not affect fertility unless it is so fed that the birds get out of condition. Green bone when cut spoils very quickly. It should not be fed when spoiled. If fed too heavily or fed when heated or spoiled it will cause indigestion and diarrhoea, and fowls out of condition from such cause cannot be expected to produce hatchable eggs. Fed sparingly and always fed when freshly cut, good sweet green beef bones are good food. There is danger from spoiled bones and bones from diseased or parasite infested animals.

Q. (2) Does feeding sprouted oats decrease or increase hatching fertility?

Deerfield, Wis. A. S.

A. (2) An abundance of fresh raw greens helps toward better fertility. Sprouted oats are, in part, fresh raw greens, and, if not moldy, are excellent food to help keep breeding stock in best breeding condition.

Abscess on Neck.

Q. One of my White Leghorns has a round lump on back of neck like a boil. What can I do for it?

A. Apply a poultice of hot antiphlogistine and bind it on. Renew in 24 hours. You will then probably find that the abcess has headed and can open and empty it of pus. Cleanse the wound thoroughly with a solution of one teaspoonful of creolin in half a pint of water. Then let it alone. Keep the bird where he will not get dirt into the sore until it heals.

Preventing Mold in Sprouted Oats.

Q. I have trouble with the roots of sprouted oats becoming moldy and I should judge unfit for food. I read in a poultry book that the way to overcome this molding was to sterilize the oats before placing them in the sprouting frame. The sterilizing solution consists of one pint of formalin to 30 gallons of water. One gallon of this solution is said to be sufficient to sterilize a bushel of oats. The solution is slowly sprinkled over the oats turning them in the meantime until all are wet with liquid; then cover the heap with bags for 12 hours to allow the solution to thoroughly disinfect the grain. After twelve hours spread and dry the grain and then bag it in sterilized bags. I have been a little reluctant to try this method for the reason that formalin is a poison and I would like your opinion.

Warrens, Ohio. G. F. B.

A. Formalin solution has been used for disinfecting grain before sprouting but reports made to us have not been satisfactory as the grain molded during sprouting just the same. We don't recommend that method. Have a few extra trays for your grain sprouter. When you take out a lot of sprouted oats wash the tray in hot soapsuds, rinse well and dry in the sun. Keep the trays clean and wash and dry them often. Wash the oats in warm soapy water first, then rinse well twice in



Don't Take Chances with Eggs
Buy Day Old Chicks

It's the only sure way to get a perfect hatch every time. You take absolutely no chances whatever. You can't lose. We absolutely guarantee safe arrival and full count of strong, healthy chicks at destination and entire satisfaction to our customers no matter how great the distance. Our chicks are noted for their vitality and stamina to live and grow and bring handsome profits to their owners.

Michigan Poultry Farm
Single Comb White Leghorns

are bred especially for heavy egg production and good size. They represent the most popular breed in existence. Our birds are all of vigorous stock, raised in open-air houses on dry foods and grow to good size. They are very prolific layers of large white eggs.

Anyone Can Become a Successful Poultryman at Little Expense

A few dollars for coops and about twenty-five Michigan Poultry Farm day-old chicks start anyone on the road to a successful poultry grower's career. We have supplied many of the largest and most successful plants in the country with foundation stock. The excellent quality of our birds always brings you top-notch prices for both chicks and eggs.

Our Customers Are Satisfied Customers. READ WHAT THEY SAY!

North Branch, Mich., April 3, 1913
Michigan Poultry Farm, Lansing, Mich.
Gentlemen:—
I received the chicks yesterday noon. They were all alive and very smart. They are a very nice lot of chicks. Thanking you for same, I am,
Yours truly, M. E. Crawford

Washington, W. Va., May 17, 1913
R. F. D. No. 1.
Michigan Poultry Farm, Lansing, Mich.
Gentlemen:—
The chicks arrived Wednesday, 15th, O. K. They are a husky bunch of chicks. I am well pleased with them. Yours truly, Guy Pitts



Beginning March 1st We Will Ship 5,000 Chicks Per Week

Last spring we were swamped with orders. We could nowhere near meet the demand. And now, with a capacity of 5000 chicks a week, orders are already coming in at a rate that is bound to swamp us again before the end of the season. We fill our orders by the "first come first served" plan. It will cost you nothing to have a reservation order on our books. We don't ask you for a cent until time to ship the chicks. But we urge you to book your order early. No order too big for us to handle.

Send Today for Large, Beautiful Catalog

Fully illustrated and brim full of most useful information for poultrymen. Gives prices and full description of our birds and methods of doing business. Send for copy today. It's free.

MICHIGAN POULTRY FARM
601 Willow St., *"Largest In the State"* LANSING, MICH.

clean water. Then put them to soak over night in clean water before placing in sprouting trays. Don't get the sprouting room too warm and keep it clean and free from dust. Feed the sprouted grain as soon as the green shoots are about an inch long. If you wash the grain, keep things clean and not too warm, and do not try to keep the sprouting oats too long you will not be bothered with mold.

Number of Laying Hens on One Acre.

Q. We have one acre of land on which we want to put a laying house. How many hens can we house comfortably on this lot? What size house, etc? F. & V.

A. You can house and yard 400 layers on one acre quite comfortably. If we were going to do it we would prefer four 20x20 ft. open-front houses. See book, "Open-air Poultry Houses for All Climates," advertised elsewhere in this journal.

Blindness in Chickens.

Q. What is the cause of my chickens going blind? They are about four months old. J. L. W.

Dublin, Miss.

A. May be conjunctivitis, catarrhal colds, irritation from insect bites or fumes of disinfectants or from disinfecting powders, or from dust. Remove the cause if you can locate it. Dip chicks' heads in solution of one teaspoonful of creolin in half a gallon of water and work eye lids open. If eyes are inflammed and lids full of pus—wash first with clean warm water, then with a medicine dropper drop a few drops of a 25 per cent solution of argyrol into the eyes. Repeat next day if necessary. Use only freshly prepared solution.

System Feeding.

Q. Am a subscriber to your paper and want a little straight information. I am a beginner but had good success the first year and a few ups and downs that come under the head of experience. My principal trouble has been to feed successfully after the birds were several weeks old. After trying several prepared foods and formulas for preparing them I stumbled upon "heneta," the panacea for all poultry feeders' troubles. Since last August I have fed "heneta" exactly as directed in every detail; but, for some reason unknown to me my results don't look quite like the kind described in their literature. My birds are healthy, free from lice, have wonderful appetites, have new, well-ventilated coops, get plenty of mangels and sprouted oats daily, but the egg output don't compare favorably with the feed bills. One coop of 120 April and May hatched White Leghorn pullets laid their first egg November 20. Two months are nearly gone and the average is as yet only about one dozen eggs per day. This week they have begun to eat eggs. It seems as though this number of well developed pullets should make a better showing. Do you know of any successful poultry farms that are using the "Heneta-Henola" system of feeding? If I had some reliable information it would make me more confident about continuing my experiment. R. C. W.

Fayette, O.

A. We have not visited any poultryman who is using the system referred to, nor have we had a report on it from anyone we know; neither have we tried it. An elevator and grain store near us sells a considerable amount of this product to small flock poultry keepers. We know nothing whatever about it from personal experience.

In our opinion you should be feeding a good beef scrap to your pullets, or some good fresh meat scraps, if you want eggs. See article on feeding entitled, "Give the Laying Hen a Chance," in December A. P. J.

FOR PARCEL POST AND EXPRESS SHIPMENTS

Use Rippley's Perfect Egg and Day Old Chick Boxes



Made of extra strong corrugated cardboard. Stand 5 men's weight. Cushion effect. Dead air cells keep out cold and heat. Chick boxes have correct ventilation. Glued tape seals boxes. Will deliver chicks or eggs 3,000 miles with safety, and eggs in hatchable condition. Satisfaction guaranteed or money returned. Put up in packages of 1 dozen. 25 cts. extra for each package broken. Sample box 25 size chick or one setting, egg 25c postpaid. Use RIPPLEY'S EGG CARTONS to ship—mail—eggs to city. Your name or farm printed in 1 color. Made of strong chip cardboard. Folds flat for shipment. 30 doz. can be packed in egg case.

Size	Doz.
15 Egg	$1.10
30 Egg	1.85
50 Egg	2.50
100 Egg	4.00



Prices No. 2 Carton. Two partitions. Heavy Card Board.

500 Boxes	$ 6.50
1000 Boxes	10.50
5000 Boxes	40.00

No. 3 Carton. 4 partitions. Made single manilla pulp lined, chip board.

500 Boxes	$ 4.50
1000 Boxes	7.00
5000 Boxes	30.00



Perfect Chick Boxes
100 Chick Size - $2.85 per doz.
50 Chick Size - 1.75 per doz.
25 Chick Size - 1.25 per doz.

Catalog Free Tells all about Rippley's Boxes, Cartons, Brooder Heaters, Hovers, Whitewashers, Sprayers, Coops, Carts, Feed Cookers, etc.

RIPPLEY MFG. CO. Box 027, Grafton, Ill., U.S.A.

130 EGG Mankato Incubator $7.25



SAVE one-half by buying the Mankato. It is sold direct from our factory to you and has behind it our binding guarantee and 18 years practical experience building and operating incubators and raising poultry. There's no incubator at any price that will give you better results—and it's results you want. It's the one high class hatcher that is MADE right and SOLD right.

No Better Incubators Made

Built of real California Red-wood in natural wood finish, three thicknesses of walls, asbestos lined, heavy pure copper hot water tank and boiler, perfect automatic regulator, correct ventilation, safety lamp, high nursery, high legs, tested thermometer, etc. Heavy, well insulated wall construction and special double heating system insures uniform temperature and highest per-cent hatches. All set up ready for use. Simple, sure, safe, handsome and most successful. Big factory output, quick shipments.

Brooders for 120 Chicks $2.50; for 240 Chicks $4.00 and up. Send today for our big new annual catalog and see the why of our low prices and how good the Mankato is made—it's free.

MANKATO INCUBATOR COMPANY, Box 768 MANKATO, MINN.



My Three Party Offer—
An Astonishing Money Saver

Let Me Mail It to You at Once

Your name and the name of two of your friends will bring you the most surprising incubator offer I have ever been able to make. I want *every* poultry keeper to know of the big profits possible with the Ideal Incubator. That's why I've planned this great offer. This year I am going to sell three hatchers where I formerly sold one. On three machines delivered freight paid to your station, I'll make an offer that is simply astonishing. Send me your name quick for the details of my plan.

Miller's Ideal Incubator

Made by the Man Who Knows—26 Years at It

If you can induce two more people anywhere to buy hatchers, here's an opportunity too good to miss. But if you only want to send me the names of possible buyers, send them in at once and I'll make a combination offer that will save money all around.

I Give an Unconditional Guarantee And Include All Extras

You get the "Ideal" all ready to start the hatch. I give you the best heating system—best regulator—handiest egg-tester, egg trays, thermometer and holder, etc. There are no extras to buy. And I prove with thousands of users that the "Ideal" is the top notch profit maker for the poultry keeper.

My Great Book "Poultry for Profit" FREE

Tells how the "Ideal" made poultry keepers successful—gives you suggestions and offers on good poultry houses—poultry supplies, etc., at low prices. Write for it—also get my three party money saving offer. Address

J. W. Miller Co.
Box 56
Rockford, Ill.



Partridge Wyandottes.

Breeders who have made exceptional records, who have done things worth while, are due to receive proper and worthy mention. The winnings of Chas. H. Wood, Worcester, Mass., at the late great M. S. Garden show, form a record of quality and merit and place him in the honored class of special accomplishments.

Back of this he has the stock and quality to feel proud of. His birds are in beautiful condition, wonderful evenness of color and markings, and of typical form—all combined make this line what it is.

His winnings at the late M. S. Garden, New York, Show were: Cock, 1st, 2d and 4th; hens, 2d; cockerels, 1st, 3d and 4th; pullets, 1st, 4th and 5th; pens, 1st and 3d; best display and specials—a win that is, we believe, a show record for this variety, and was won from the hottest kind of competition.

Mr. Wood has long been breeding these beauties. He is a stickler for shape and his line shows the grand work he has been doing. He is worthy of unbounded success.

Our readers interested in this variety, and many should be, had best write Mr. Wood for his list and for any desired information. His address is No. 715 State Mutual Building, Worcester, Mass.—H. P. Schwab.

Mr. Porter Elosser, Cumberland, Md.

That Black Langshans are more popular and all the rage is evident to those who have made the shows this season. At all we have found very large and strong classes, the best quality ever seen, which in itself proves the popular favor this worthy breed can claim. Mr. Elosser has made more and greater records than ever before, winning all the first and second prizes offered at Washington, D. C., and nearly all at Baltimore and other shows. At Frostburg, Md., he won first and second cock, first, second and third hen, first, second and third cockerel, first, second, third and fifth pullet, champion sweepstake specials for best cockerel in the show; also for best pullet and other specials.

Mr. Elosser's winnings are of particular value. He has bred for years and has a line of worth. Write him for particulars and mention A. P. J.—H. P. Schwab.

Always able to identify your birds? We know of a raiser of choice stock that sent two pens of birds to a recent poultry show and was returned therefor two pens of nondescripts, with one extra bird thrown in—evidently for good measure. Such mistakes would be impossible if "Moe's Self Locking Leg Bands" were used. Send for sample band and complete booklet today. Otis & Moe Manufacturing Co., Otis Building, Chicago, U. S. A.

Sixeas Remedies.

Are absolutely guaranteed to cure roup, canker, cholera, blackhead and white diarrhoea. They are remedies easily given in food or water and are endorsed by leading poultry breeders. All of these remedies are sold by the inventor, and he has so much faith in them that he guarantees them in every way. Write to him for circular and prices. Address Geo. Sixeas, New Castle, Va.



Kellerstrass White Orpingtons

ARE THE BIGGEST PAYERS BECAUSE THEY HAVE PROVEN TO BE

THE BIGGEST WINTER LAYERS

Kellerstrass Strain "Crystal" White Orpingtons

Are the **grandest utility** birds on record today, and as to their **fancy quality** they won first at Madison Square Garden, New York, 1905, 1906, 1908, 1909, 1910; also at Crystal Palace, London, England, and Chicago and Boston. If you need some birds to **improve your stock** or for the **show room** write us. We have them, and **the kind that win** as our past record shows. Stock for sale at all times. Remember, we are the **originators** of **"Crystal"** White Orpingtons, and breed only the one kind. We devote our whole time to this one breed. Eggs for hatching, write for prices. Send for our catalogue.

KELLERSTRASS FARM
ORIGINATOR OF CRYSTAL WHITE ORPINGTONS
9502 WESTPORT ROAD, : KANSAS CITY, MO.

Eggs and Baby Chicks

Barred Plymouth Rocks

Our winnings at Chicago, Indianapolis, Memphis, Louisville, Knoxville, Nashville, prove our quality.

Tennessee State Fair, October 1913, 1st Pen, 2d Hen, 2d Pullet, 3d Hen, 3d Cockerel, 4th Hen, 4th Cock, 4th Cockerel, 4th Pullet, 5th Cockerel. *Silver Cup for Best Pen. National Conservation Exposition, Knoxville, Tenn., September 1913*, 1st Cockerel, 2d Pen, 3d Cock, 4th Cockerel, 4th Hen, 5th Pullet. *Indiana State Fair, Indianapolis, September 1912*, 1st Pullet, 1st Pen, 2d Cock, 3d Cockerel, 3d Cock, 3d Pullet. *Tri-State Fair, Memphis, Tenn., September 1912*, 1st Cockerel, 3d Pullet, 5th Cockerel, 5th Pen. *Louisville Poultry Show, Louisville, Ky., December 1912*, 3 firsts, 2 seconds, 4 thirds, 1 fourth, 2 fifths. Special for the best shaped female. *Two Silver Cups for the best Barred Plymouth Rocks. Chicago, Ill., December 1912.* 4th Pullet Bred Cockerel.

Eggs and Baby Chicks from Exhibition and Pedigree Matings

Buy eggs or baby chicks from us now and raise your *Exhibition and Breeding Birds* for this fall and winter. No one can furnish you the size and quality we can. *We are Specialists* in Barred Rocks, have bred them in line for twenty-three years, and when you think of *Best Barred Rocks* you naturally think of *POPE & POPE.*

Twenty grand matings for 1914. No utility matings. Our pens contain our winners of the *Chicago, Indianapolis, Memphis, Louisville, Knoxville, and Nashville Shows,* and when you buy eggs or baby chicks from these pens, you buy *the best there is in America today.*

Don't place order until you get our big catalogue and mating list. *You won't have to pay exorbitant prices when you send us order.* Write for catalogue No. 3.

POPE & POPE Box A, Louisville, Ky.



A Chicago Winner, Dec. 1912

Modern Brooding Equipment.

Since it has become so generally recognized that the greatest leak in the poultry industry is the heavy mortality of chicks during the brooding period, particular attention has been paid to this most important matter by leading practical poultrymen, investigators and manufacturers of poultry equipment. Probably the most notable improvement in brooding equipment which has been brought out as a result of this work is the Newtown Giant Colony Brooder, which is advertised regularly in these columns. From the moment of its introduction this appliance created greatest interest and its popularity has steadily increased because of its unusual merit. In the Newtown Giant Colony Brooder are combined the three great essentials demanded by the business poultryman: Economy, convenience and efficiency.

It is economical because the selling price is low; it does not require the erection of special buildings, but may be operated in any comfortable structure, as barn, colony house or poultry building; it is inexpensive to operate, since 8c worth of coal per day will furnish the necessary heat for a thousand chicks; it saves labor, because it is self-regulating, and the coal magazine requires filling but once in two to four days, according to weather; it is durable, being constructed entirely of cast iron and the highest quality of sheet iron; it has large capacity, the smaller size brooding any number of chicks up to 500 and the larger size any number to 1,500. Its points of convenience are many. Absolutely self-regulating and holds a large supply of fuel. You may confidently depend upon the machine to run smoothly and evenly, maintaining the proper temperature regardless of weather changes. Further, it may easily and quickly be moved from place to place as occasion demands. But economy and convenience may be regarded as secondary considerations. Efficiency is primary, and right here the Newtown excels. It raises the largest percentage of the strongest, healthiest chicks. The reason for this is: Unvarying temperature, ample ventilation, the absence of smoke and lamp fumes, plenty of space under the hover, all make for continuous chick comfort, which in turn means maximum results.

Every user of a brooder should investigate the merits of the Newtown Giant Colony Brooder. It is sold by dealers everywhere, who will gladly give demonstrations. If your dealer does not carry it, write The Newtown Giant Incubator Corporation, No. 21 Warsaw St., Harrisonburg, Virginia, for a brooder catalog.

Mr. Harlo J. Fiske, West Springfield, Mass.

We just have word that Mr. Fiske has moved his plant and birds from Sterlington, N. Y., to West Springfield, Mass., his old home place, where in future he hopes to breed and raise more of his famous "Skyland" S. C. White Leghorns.

Mr. Fiske and his line have been before the public many years and his record is one of exceptional credit, having won at M. S. Garden, New York; The New York Palace Show; Chicago, Boston, Buffalo, etc. At Boston this year, with only two pens entered, he won first and second.

His 1914 mating list is out, giving full information of his stock and is free for the asking. When writing please mention the A. P. J.—H. P. Schwab.

Single and Rose Comb R. I. Reds.

It is both pleasing and exciting to note the progress made by the breeders year by year. They are game, and whether they win or lose they come back again looking for more honors and more records.

For the last few years we have been busy keeping a line on the doing of the Schenley Heights Poultry Farms, Pittsburgh, Pa., for they have been making all the leading shows and to a special degree have been most successful.

This season more than ever they have reason to feel proud of their records made at Altoona's great fair, where they won the five first prizes in Single Combs. At the New York Palace, Philadelphia, M. S. Garden, New York, and at Pittsburgh their records stand out strong as absolute proof of quality.

Their latest victory at Pittsburgh was one of the best made and is as follows: In Single Combs—Cocks, 4th and 8th; cockerels, 1st, 4th, 7th and 8th; hens, 2d; pullets, 4th, 5th and 6th; old pen, 2d; young pen, 1st and 3d. In Rose Combs—Cocks, 2d and 4th; cockerels, 1st and 2d; hens, 1st; pullets, 1st and 2d; several cups and specials.

From this the reader can well imagine what this line of Reds is, exhibited as it has been at our best shows. Early and late it has made records at all worthy of approved and highest quality.

We lately paid a visit to these farms, which are close to Pittsburgh, and there saw close to 1,500 birds of both combs rounding into their best shape. Try as we may we could not pick any special feature. They are a very even lot, good in color, good in shape and markings of a very high class. Their breeding seems to be very even, which presages much for this line now and in the future.

With Mr. C. F. Rankin, the owner, we went over the old and young hens very carefully, and here again noted his famous winners of this and other years. Here again we handled his grand champion, which but a year ago won first prize cockerel at Philadelphia, Cleveland and Pittsburgh, and at each of these three shows won the sweepstake special for best cockerel in the show. We know of no bird living or dead that ever made a record like this. It stands out high and dry above any mark ever made. Today we consider this cock as good as ever and his breeding has been wonderful. Such stock and such

Smith's White Leghorns

Three Firsts at Chicago! First Pen, First Pullet and First Hen—three firsts out of a possible five—at Chicago, January, 1914, defeating (among others) three of the most prominent breeders in the Central States, proves the quality of my strain. Winners at Chicago, St. Louis and Indianapolis. Catalog free—send for it *today!* **Eugene C. Smith, 317 Galena Blvd., Aurora, Ill.**

I Will Save You Money With My 1914 Prices

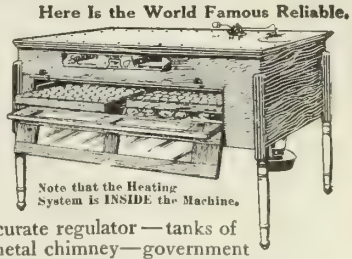
DON'T take a chance this year with costly eggs in machines of unknown quality. Every hatchable egg which you lose means a loss of profit of at least 50c to you. No matter how big or how little a machine you want, I can save you money with the good old Reliable, with my 1914 prices.

Let me give you the facts. For over 32 years I have been building Incubators and Brooders. My incubator and brooder factory is the largest in the world. My enormous production enables me to make prices which you wouldn't believe possible if I printed them here, but without cutting quality in any detail. It's just common sense. The biggest production in the world means the biggest buying power, lowest prices on materials and labor, you get the benefit.

Get My Rock Bottom 1914 Prices on This Incubator

It has all the 1914 improvements; the incubator the experienced poultryman is buying all over the world. Here's an incubator that's made of absolutely the best materials from beginning to end. Thoroughly season 1, matched, beautiful, everlasting Redwood lumber is used in its construction. My double heating system is built right into the incubator. You can get at it in a second. The Reliable has an accurate regulator—tanks of cold-rolled builder's copper—metal chimney—government standard tested thermometer and all-metal safety lamp. No matter how cold the weather, you can absolutely depend on the Reliable. No worry—no trouble—no bother. It is guaranteed to hatch any egg that can be hatched—in any altitude. No machine can do more. Do you know of any other of which you can be so sure? Built in seven sizes. One is just your size. Get my prices. Don't buy until you do. Write tonight. Don't take a chance this year, you can't afford to.

Here Is the World Famous Reliable.



Note that the Heating System is INSIDE the Machine.



Reliable Brooders

are made of the same high-grade materials with the same workmanship and care as our famous incubators. Choice of either Hot Water or Hot Air heating. Made in four sizes—for 80, 120, 220 and 300 chicks. Send for detailed description and prices.

J. W. MYERS, President,
Reliable Incubator & Brooder Co.,
Box A-1
QUINCY, ILL.

quality is good forever and most reliable as breeders.

Mr. Rankin has a very select line of cockerels bred from his best to spare and can assure absolute satisfaction to all. He is a royal fancier and breeder and is most worthy of the success he has made.

Mr. Rankin also breeds Silver and Golden Campines, and with these also has made great records this year of the equal made by any breeder.

The plant is finely located and in charge of Mr. Young, who will welcome all visitors, and a trip to Pittsburgh can't be complete without a visit to these yards.—H. P. Schwab.

Success With Incubators.

There are still a lot of people in the belief that incubator hatched chicks are not as strong as those hatched under hens. Space will hardly permit us to enumerate the different reasons why this belief exists and why it is erroneous. We believe we can do more to eradicate this false belief by citing some facts accomplished with our "Successful" Incubators and Brooders.

Mr. W. Koch, of Bellingham, Wash., started three years ago with one of our hatching outfits and had such good success in hatching and raising the chicks that he now operates nine of our largest size incubators and brooders. Several of his neighbors have also ordered from one to six of these 312-egg size Successful Incubators. Mr. A. Kintlein of Hempstead, N. Y., last year secured one of our No. 5 Successful Incubators. A little while ago he favored us with an order for six of our No. 4—312-egg size Successful Incubators. Mr. Julius Wurst of Waterville, Minn., was quite skeptical about incubators and brooders; nevertheless he tried it by ordering last spring one of our No. 9—240-egg size machines, and in three hatches produced 610 strong chicks from 720 eggs and raised all but eight or ten of them. He also ordered additional Successful Incubators and Brooders. Mr. Henry Williams, Ledgewood, N. J., has had our 240-egg size incubator for two years and always hatched over 200 chickens, having the record hatches in his neighborhood. He wants two more of these machines. The Linwood Poultry Farms of Davenport, Ia., one of the largest egg farms in the Middle West, have used our Successful Incubators and Brooders exclusively and with such success that they have added more from year to year.

We could name dozens of poultry raisers who a few years ago started the poultry business with but one of our incubators and brooders and now operate from five to a dozen Successful machines. They had success from the very beginning both in hatching as well as in raising chicks; otherwise they would not have seen the need of adding more of these machines. "Successful" Incubators require little attention, are dependable and safe, economic in the consumption of oil and are simplicity itself in operating. The Des Moines Incubator Co., 1 Second St., Des Moines, Ia., will be glad to send you their 128-page catalog.

S. C. Black Minorcas at Pittsburg, Pa.

The S. C. Black Minorca Club held its annual meeting at Pittsburgh and brought out the largest and finest class of this variety we have ever seen in a show room. There were 32 cocks, 36 cockerels, 46 hens and 44 pullets, making a total of 158 birds in the single classes, and 85 in the pens; a grand total of 243 birds in the class that were exhibited by several of our best known breeders who own as follows: Mr. Frank McGrann, Lancaster, Pa., cocks, 3-6; cockerels, 2-5; hens, 1-4; pullets, 2-5; old pen, 3; young pen, 1st, with several cups and specials.

The Hilldorfer Black Minorca Farm, Saxonburg, Pa.: Cock, 1st and 2d; cockerel, 1st and 3d; hen, 3d; pullet, 1st, 3d and 8th; old pen, 4th; young pen, 7th; cup for best display and several specials.

Mr. A. Didriksen, Whitewater, Wis.: Cock, 8th; hen, 6-7; pullet, 4; old pen, 1st; young pen, 2d and 4th, and specials.

It was a royal class of quality, the largest at the show, and one of which the breeder can feel proud.—H. P. Schwab.

The Honest Queen Incubator.

In these days of cheap construction it is a gratifying experience to find an incubator built as honestly and substantially as the Queen Incubator is built. It is a regrettable fact that many incubators dry apart and fall to pieces after short periods of service. But this cannot be charged against the Queen Incubator. The materials used in the Queen are those best adapted to incubator use. The wood is thoroughly seasoned, the workmanship is of the best, the completed machine is honest. Proof of the substantial character of the Queen is seen in the fact that the manufacturer expects every Queen he turns out of his factory to last 25 years. It is well to look for lasting qualities when you buy an incubator. You hope to be in the poultry business not only for a year or two, but you want to succeed so well that you will follow it for many years, and you want your machine to last. In the Queen you get not only an honestly built, substantial incubator, but one that has the true hatching genius. The Queen's record is well known—honesty, big hatches, livable chicks, long life. Mr. P. M. Wickstrum, the manufacturer of the Queen, claims for it 28 points of excellence, and there is always a

BUFF ORPINGTON EGGS

AS GOOD AS MONEY CAN BUY

Don't fail to get our free mating list, in which you will find a complete description of our sixteen breeding pens—egg records—show record from 1910 to the present time, etc. Twenty-six of the winners at one of the recent National exhibitions were shown by our customers and all were hatched from our eggs. Our 1914 matings are going to produce the blue ribbon winners for many of America's best shows next season.

BRUCE & ABBOTT BOX 10 WHITELAND, INDIANA

Planet Jr.



No. 16 Planet Jr Single Wheel Hoe, Cultivator, Rake and Plow

The highest type of Single Wheel Hoe made. It is light, handy, and adapted to almost every garden use. Has leaf guard for close work, and a durable *steel* frame. Light enough for a woman to use.

The up-to-the-minute time and labor savers in field and garden. Planet Jr implements are the product of more than 40 years' experience of a practical farmer and manufacturer. Get them for scientific work and big results. $2 to $100.

FREE Our new 72-page illustrated catalogue contains valuable advice about tools for each kind of cultivation. Write postal today.

S L ALLEN & CO

Box 1107T Philadelphia



No. 11 Planet Jr Double Wheel Hoe, Cultivator, Plow and Rake

The greatest cultivating tool in the world for the grower of garden crops from drilled seeds. The plow opens furrows for manure, seed, etc., and can be reversed for covering. Crops can be worked both sides at once until 20 inches high. Steel frame. Just the tool for the onion-grower.



No. 25 Planet Jr Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

A capital implement for large-scale gardening especially. It has automatic feed-stopper, seed index, and complete cultivating attachments. The hoes are of a special patented form which run close to row without danger to leaves or roots. Steel frame. Two acres a day can be easily worked with this tool.



No. 8 Planet Jr Horse Hoe and Cultivator

The best-known cultivating implement made. It is so strongly built that it withstands incredible strain, yet it is light and easy to handle. Has new steel wheel which prevents clogging with stones and other trash. Cultivates to any depth and adjusts to any width. Opens and closes furrow, and hoes right up to plants without danger of injuring them.



Fire-Fly Garden Plow

Especially useful to owners of small gardens, and to chicken-raisers for plowing up scratching yards. Its light weight makes it easy for women or children to use also. Enables the owner of a family garden to do all the work in spare minutes.

good substantial basis for any claim Mr. Wickstrum makes. Catalog and particulars can be had by writing the manufacturer at Box 4, Lincoln, Neb.

The Oakland Farms, Trenton Jct., N. J.

One of the largest, best and most practical poultry plants we know of and one of the oldest as well is the Oakland Farms at Trenton Jct., N. J., and but a short distance from Trenton, the State Capitol. Located on land sloping to the South are the several great long breeding houses, two large brooder houses and the incubator cellar, feed houses, etc., making a picture good to see and a lesson in fact of what the poultry industry is today.

Thousands of dollars are invested here and yearly there is an increase of buildings and business done with the reputation that Oakland quality has made its future secure. Here are two mammoth incubators of 20,400 egg capacity and brooder capacity to hover upwards of 15,000 chicks. The laying and breeding houses are built on same mammoth lines, three of them are 500 feet long and 20 feet wide and with almost innumerable colony houses, this plant is complete in every detail.

S. C. White Leghorns and S. C. Rhode Island Reds are bred here to a very high grade and to highest practical worth. Birds of their breeding have been prominent winners at our leading shows, including Allentown, Hagerstown, M. S. Garden, New York, Trenton, Philadelphia, New York Palace, etc. In their office is seen a great case full of silver cups and trophies won and which well attest the value of this line.

BABY CHICKS A SPECIALTY.

The specialty here are selected breeding stock, baby chicks and eggs for hatching by the setting, hundred or thousand. We have visited here before and told of this stock which when we consider the thousands of birds on the place, has been bred up to a very high grade of quality.

S. C. WHITE LEGHORNS.

We were pleased to note these matings this year. Mr. Roberts, the manager, has surely selected his breeders with skill, and pen after pen of these selected birds were seen to advantage. The males have good size and excellent carriage with long, well shaped back and full well carried tails. Real good heads and strong eyes a feature. The females are a choice lot in every way. No mistake has been made in their selection; they are strong birds, stand up clean and carry well; vigor is a feature of the entire flock. They are just the kind to bank on for healthy chicks and results.

S. C. RHODE ISLAND REDS.

In these they have one of the largest flocks we have seen. They are large robust birds of good quality and in the best possible condition. Males large strong fellows of sound color and good marking. Females long bodied, deep with good outline and fine heads; in color sound, not an extreme but a good rich red. A valuable lot for results.

Mr. G. C. Roberts, the manager, is just the kind of fancier we like to meet. His personal interest in his work and the success of the plant is his first consideration. His aim to give every customer full value and absolute satisfaction has brought results in success attained, and we are pleased to recommend both him and the Oakland goods to our friends and readers.—H. P. Schwab.

Cravenheim Poultry Farm, Bound Brook, N. J.

In and around Bound Brook, N. J., is one of this country's greatest poultry sections, and their Doctor Elias P. Hicks is building up his plant and business devoted to Anconas and Black Langshans on a farm of 50 acres.

The Doctor has been very successful this year at the shows, a record of which follows: At Paterson, N. J., State meeting of the Ancona Club he won: Cock, 1st; hen, 2d and 5th; cockerel, 4th; pullet, 2d; pens, 1st and 3d; State cup for best display.

At the Grand Central Palace, New York Show, the New York State meet.—Cock, 1st; hen, 2d; pen, 4th; special for best Ancona in the show.

At M. S. Garden, New York, cock, 3d; at Philadelphia, Pa., cock, 2d, and 35 firsts and seconds at eight other shows this season.

In Black Langshans he made practically a clean sweep, winning cups and many specials at following exhibits:

Augusta, Ga.; Paterson, N. J.; Asbury Park, N. J.; Palace, New York Show, and Philadelphia, Pa.

Many of these birds we have seen and handled and can attest their value. His winning Ancona cock at the Palace, New York, Show, was a beauty, with excellent type and finish and grand in color, nice head, etc.

We consider this a most reliable line of quality. Write for his mating list and particulars.—H. P. Schwab.

Producing "Soft Roasters" With Capons.

Plain poultry keeping affords one a living, but the big profits are secured by special work—the production of "by-products" we might call it. On the average poultry farm each year's output of cockerels is usually sold at a loss. This can be avoided if you will prepare your males to meet special market requirements. Producing soft roasters will make your cull cockerels more profitable than the females. Such roasters bring the highest prices when produced through caponizing. This operation yields the largest possible bird. The larger the bird the higher price paid per pound.

Having decided to raise soft roasters, select the best cockerels for the breeding pens. This can be done when they are three or four months old. Caponize all other cockerels and feed them two or three months longer. By this time they will weigh 8 pounds and be in prime market condition. Cracked corn, beef scraps and water should be kept constantly before them. Feed them some green food in the shape of cabbage, sprouted oats or green rye. Capons will reach the desired weight in a few weeks without other forcing than the above simple diet.

Soft roasters are in demand all the year round, but bring the best prices in the early summer. The new 20-pound limit for

Carver's Red Farms, Seville, O., devoted exclusively to Rhode Island Reds & Red Sussex. Eggs guaranteed

Write Your Name on a Post Card Today

For this Big 112-Page Prairie State Catalog FREE



No matter how many other catalogues you get don't fail to send for your copy of this big free book. You will find it different from any other incubator catalog ever published because it was written by one of the world's foremost experts on incubation and the rearing of chicks—a man who knows from actual experience how to succeed in the poultry business. He tells you how, by watching the hen that stole her nest, he hit upon the idea of the moistened Sand Tray—an exclusive patented feature of Prairie State Machines which insures hatching a larger number of strong, vigorous **chicks that live**—chicks that live and grow into profit

1914 Prairie State Incubators
Brooders, Hovers and Colony Houses

are fully described in this big, free book. They are used and endorsed by leading Agricultural Colleges and poultry experts the world over. For 30 years they have maintained the lead and with the new 1914 exclusive features they are simply incomparable. Those who must economize in the matter of price will be particularly interested in the Prairie State Keystone model which embodies all the new improvements with Prairie State quality and yet sells for only $9.00 and up.

Send for this FREE Book At Once

It contains also about 60 pages of valuable information on poultry raising. Tells **How to Feed, Rear and Breed for Best Results; How to Prevent and Cure Diseases; How to Grow Green Winter Feed; How to Build Poultry Houses; How to Preserve Eggs, etc., etc.** You will be surprised at the amount of valuable information this big 112 page book contains. A postal will bring you a copy by return mail—free and postpaid. Write (6)



Prairie State Keystone Machines with Sand Trays and all other improvements sold as low as..... **$9**

PRAIRIE STATE INCUBATOR CO.
201 Main Street HOMER CITY, PA.

parcels lately put in operation by the post-office department has greatly increased the opportunities for shipping capons and dressed poultry direct to the consumer at a small cost for transportation. Caponizing not only increases the size and weight of the male at killing time but the capon's flesh is more tender, juicy and finer flavored than the ordinary fowl. This is the reason caponized soft roasters bring more per pound.

The operation of caponizing is quite simple when you have a good set of modern instruments such as G. P. Pilling & Son Co., of Philadelphia, manufacture. This concern has a little booklet which describes the operation thoroughly. It also gives a lot of valuable information on the care and feeding of capons. They will be glad to send it free to any poultry raiser.

A Great Win.

Eugene C. Smith, of 317 Galena boulevard, Aurora, Ill., showed thirteen of his Single Comb White Leghorns at the January Chicago Show and nine of them were "in the ribbons." He won first pen; first pullet and first hen—three out of a possible five firsts—in addition to second and fifth cock. Mr. Smith is making a fine record with his Leghorns, and tells all about them in his 1914 catalog, which he has just issued. This catalog will be sent free to anyone interested upon request.

Belle City Hatching Book.

BY JIM ROHAN, PRESIDENT.

The book has just come from the printer, and already it has created a big sensation among poultry raisers. Men and women who have seen the first copies tell me it is the most remarkable thing ever gotten out on the poultry business. I can agree with them heart and soul, because the owners of my Eight Times World's Championship Belle City outfits did more to get up this book than I did. It is jam full of their stories of how the Belle City makes 90 to 100 per cent hatches. These accounts are given in their own words, not mine. All I have done is to put these stories into print in a great big portfolio with illustrations of my Eight Times World's Championship Incubator and my World Famous Brooder in exact colors. It took several printings to do that—but as it shows you just what the Eight Times World's Champion looks like it is well worth it. There is a great two-page "spread," showing the incubator and the brooder in natural colors—so lifelike that it is almost as good as setting the incubator and the brooder down before you. The outfit is also shown part by part with pictures and full description. My ten-year personal money back guarantee is printed, and my one-two-three months' home test plan is given in full.

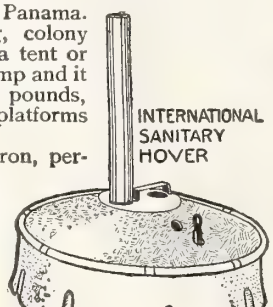
I want you to know everything there is to know about my Eight Times World's Champion, because the more you know the more certain you will be that you get your money's worth when you join the Belle City army of successful poultry raisers. But the book has it all—and it does not cost you any more than a one-cent postal to get it. Whether you buy a World's Champion Belle City or not, you want to know what's going on among the winners. So write today. Address Belle City Incubator Co., Box 27, Racine, Wis.

The Open Door to Poultry Profits

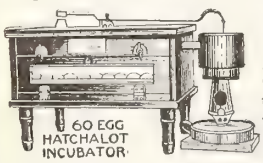
The experience of years in developing the world's largest poultry farm has opened the door for *you* to greater poultry profits. Out of this experience has come the 60-Egg Hatchalot Incubator, the International Sanitary Hover, and the 6 in 1 Exerciser Feeder.

Raising Chicks Right

The International Sanitary Hover has stood the test of every climate from Quebec to Panama. You can use it in any building, colony house, laying house, or even a tent or drygoods box. Just light the lamp and it is ready for service. Weighs 30 pounds, easily moved—no holes to cut or platforms to build.



Made of heavy galvanized iron, perfectly insulated, fireproof and vermin-proof. Circular, with most warmth at the curtain, preventing crowding at center and smothering of chicks, and giving them pure air always. Heat radiates from *above*, preventing leg weakness. Used by largest poultry farms and State Experiment Stations. **Price $8.50.**



Hatching Chicks Right

The 60-Egg Hatchalot Incubator gives a mild heat over a wide area—not a dry heat distributed unevenly. It prevents the evaporation of moisture, which assures a healthy hatch from every fertile egg. Chicks are just as large as the shell will permit. Made of cypress, with dependable steel and zinc thermostat. It couldn't be made better at *any* price, but it is sold at $7.50.

Feeding Fowls Right

6 in 1 Exerciser Feeder keeps the poultry healthy and makes other feeding devices unnecessary. Large central hopper holds grain that the birds scatter in the litter, by working an agitator. Six other compartments hold dry mash, scrap, shell, etc. No food wasted. Makes feeding easy and economical. Price, 40-quart, $4.75; 20-quart, $3.75.



GET THE CATALOGUE.—Complete catalogue of tried and proved poultry helps, full of valuable information, sent free. Write for name of nearest dealer.

Progressive dealers everywhere can supply you.

Hover-Incubator Mfg. Co. **Box 511, Browns Mills, N. J.**

Third Prize Story in the Inter Ocean Contest at Chicago.

I had the pleasure of attending the "Poultry Show" at the Coliseum last evening, and as it was the first show of its kind that I had ever attended, naturally it impressed me very much and I learned from vision many things about poultry that I only knew from theory.

I am a back yard farmer on a city lot, located in the heart of the "Ghetto," and, as our back yard is only twenty-five feet square, I have not the space to keep the amount of poultry that I would like to.

I am employed during the day, and as I have only one arm (the left one), trying to keep a few chickens for utility purposes under conditions that are not exactly natural is a problem that an experienced poultryman would not undertake if he were obliged to go through the routine daily that circumstances compel me to go through.

The work is a pleasure for me, and it is simple and easy, chiefly because I use the mechanical devices exhibited by the Otis & Moe Company of Chicago, and as they are constructed on practical lines and do not get out of order even when dropped on the ground any one can have good results by using them and save time, money and labor.

Their "Sanitary Poultry Drinking Fountain" I think is the most valuable and practical device shown at the show, because it fills from the top; dead air space keeps the water cool in the summer and also prevents it from freezing in the cold weather. This device, by placing it in a partition, can be used for two pens; at the same time it prevents chickens from getting their wattles wet in cold weather, and it is constructed so that no water spills on the floor and ducks cannot slop while drinking from it.—W. W. Hartigan.

Amounts to a "Free Library" of Poultry Information.

We believe that practically every one of our readers will find it to his or her advantage to send to the Cyphers Incubator Company, Buffalo, N. Y., for a full set of the valuable free booklets and special 1914 circulars they are now mailing out, postage paid, to all who ask for them. These booklets and circulars include the following: Main catalogue, 1914 edition, entitled "Poultry Keeping in All Branches," containing 244 pages, 7¼x10 inches in size. "Selling Day-Old Chicks and Doing Custom Hatching," explaining both plans and giving examples of noteworthy successes, eight pages, 9x12 inches, illustrated. "Portable Hovers—When, Where and How to Use Them for Best Results," four pages, 11x18 inches, well illustrated. "Sectional Indoor Brooders—When, Where and How to Use to Best Advantage," same size as foregoing and well illustrated. "Successful Outdoor Brooding," telling "When, Where and How to Use Adaptable Brooding Hovers for Best Results," same size as foregoing. "Best Methods of Brooding," consisting of 52 pages, 7¼x10 inches in size, a daily guide for care of the chicks. "Poultry Foods and Feeding," also 52 pages, same size as above. Full instructions on how to raise broilers, fries, roasting chickens, capons, layers, breeders, etc. "Cyphers Poultry Farm 1914 Mating and Sales List," 20 pages, 7¼x10 inches, fully describing the basis on which the Cyphers Company's $80,000 all-purpose poultry plant is conducted, fully illustrated. To our subscribers all of the above mentioned booklets and circulars are entirely free, without any obligation on your part and so that you may "keep abreast of the times" on the latest poultry information we suggest that you write to the Cyphers Incubator Company, Dept. 30, Buffalo, N. Y., and ask for such of these pieces of printed matter as you would like to receive.

When you send in your request, please mention American Poultry Journal, thus doing us a valuable favor.

Mr. M. F. Delano's Great Record at Pittsburg, Pa., Jan., 1914.

Mr. M. F. Delano, Vineyard Haven, Mass., like his predecessor, Mr. Owen, has for years done big things at big places and at big times. Still we consider the record Mr. Delano has just made at the great Pittsburgh show in great classes of strong birds is just about the most beautiful record ever made by this or any line of birds. His winnings here are as follows:

S. C. White Orpingtons—In a class of 161 birds he won: Cock, 1st; cockerel, 1st; hen, 1st; pullet, 1st and 2d; pen, 1st; best collection with 6 entries.

S. C. Buff Orpingtons. The Club Show—In a class of 110 birds he won: Cock, 1st, 2d and 3d; cockerels, 1st, 2d and 3d; hens, 1st, 2d and 5th; pullets, 1st and 5th; old pen, 1st; young pen, 1st with 14 entries.

S. C. Reds.—In a class of 140 birds: Cock, 1st; cockerel, 6th; hen, 3d; pullet, 7th; cup for champion male and cup for best shaped male.

White Wyandottes. In a class of 155 birds he won: Cock, 1st and 4th; cockerel, 2d and 6th; hens, 1st and 7th; pullets, 3d and 4th; old pen, 1st; young pen, 1st; best collection; best collection any variety; champion male of the entire American class, and champion White Wyandotte male.

This record shows 16 of a possible 21 first prizes won apd 23 silver challenge cups, which include in Buff Orpingtons the President's cup for best collection of any variety in the show, cups for champion male and female and shape and color male and female, and about the same in the White Orpingtons.

His was a feature display and a record win made with most worthy birds of grandest quality, and for all it is only what we could expect from this line, knowing it as we do.—H. P. Schwab.

Mr. J. W. Andrews, Dighton, Mass.

The unusual is bound to happen and did happen at Boston this year, for this was the first in 16 years that Mr. J. W. Andrews did not exhibit his White Wyandottes at this beauty show.

During the years he has shown here Mr. Andrews has made a record of which he can well feel doubly proud and his only reason of not showing this year is that he sold his string to another to be shown here. A short review of Mr. Andrews' record and a special mention of some of his winning males will not be amiss here.

He has won first prize pen at Boston six times in seven years. First cockerel in 1910, 1911, 1912 and second cockerel in 1910, 1911, 1912 and 1913, or for three years he won both first and second cockerels. His catalogues show photos from life of his famous winners, including first cockerel in 1908 and special winner for best shape and color. First cock of 1911 and special winner for whitest male in show. First pen cockerel 1911. First cockerel 1911, winning in a class of 66 birds. First and second cockerels 1912, the first winning shape special, and other birds of note.

We have long considered Mr. Andrews as one of our best breeders and judges, he having served at M. S. Garden, New York, for some years. He knows what the Wyandotte should be and has succeeded in breeding a line of great worth.

This season he was called to judge the Wyandottes at Guelph, Ont., Canada's greatest show, and did splendid work.—H. P. Schwab.

United Breeders Inc., South Braintree, Mass.

The United Breeders, Inc., are the first co-operative organization of poultry fanciers and will specialize their strains of Harvard Reds in both rose and single combs. They have issued a booklet explaining their objects which is sent free for the asking. In this company are men who have made Rhode Island Red history, including Mr. Arthur W. Dilley, president, Mr. Frederick L. Haden, vice-president, and Mr. Irving W. Bean, treasurer.

Their line of Reds have been unusually successful this season, winning well at both M. S. Garden, New York, and Boston, with birds showing unmistakable strength and value in breeding quality. We have before commented upon their New York winnings and at Boston, in a class of 178 birds, they won cock 1st, hen 4th and pullet 4th. In Rose Combs, cock 2d and 5th, hens 2nd and 4th, cockerels 2nd, 4th and 5th, pullets 6th and young pen 1st.

Their second Rose Comb cock won the color special, a most worthy win, as he is to our notion the color of Mr. Bean's great cock Sensation, who for years was the ideal of all breeders.

The combining of the several well known lines should make the Harvard Reds a winner. The organizers are all men of repute and most favorably known as breeders of worth.—H. P. Schwab.

Experience of An Amateur.

I look back with many a hearty laugh (although at the time I am a little afraid I swore a bit) at the time I tried to raise my first brood of chicks.

Between watching the mother hen to see that she didn't step on the little members of her flock and bringing the little fellows into the house to be put in a box back of the kitchen stove every time it rained (for shelter them she wouldn't) I was as busy as a wet hen.

How I put in that spring and how I raised a single one of that brood has, and always will be, a mystery to me, especially when I look upon the modern methods I uow use for raising them.

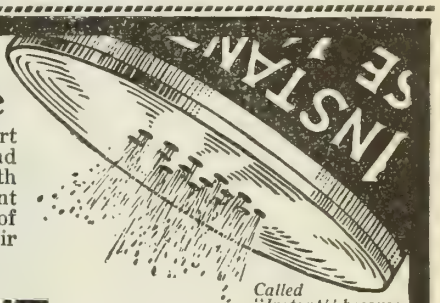
Two years ago I purchased a Perfection Feather Brooder, and as soon as the hen had hatched I took the chicks away from her and put them under this feather brooder, letting the hen go back to lay where she can make money for me.

With this feather brooder my troubles are over. There is no danger of the hen stepping on them, of being left out in the rain, no danger of fire, overheating, chilling, gas, crowding, smothering, leg weakness or bowel trouble. There is no fuel to buy or lamps to replace.

If you have been through the same experience that this man has been through, read the advertisement of this feather brooder, which appears in this issue, and then write the Simplex Supply House, Pontiax Bldg., Chicago, Ill., asking them for their catalog, which tells you all about this wonderful feather brooder.

Save Your Chicks From Lice

Your chicks can't get the right start in life—they can't grow husky and big-framed—if they are pestered with lice. These parasites inflict constant torment on chicks, robbing them of flesh and blood and keeping their vitality in a low state.



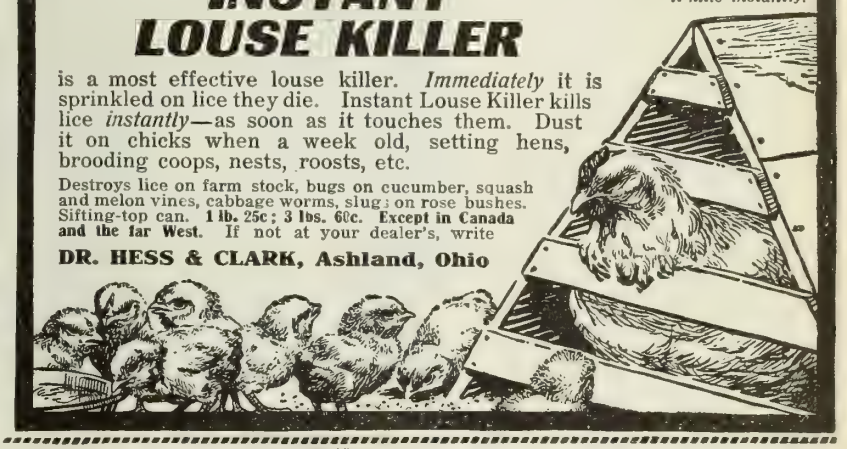
Called "Instant" because it kills instantly.

DR. HESS
INSTANT LOUSE KILLER

is a most effective louse killer. *Immediately* it is sprinkled on lice they die. Instant Louse Killer kills lice *instantly*—as soon as it touches them. Dust it on chicks when a week old, setting hens, brooding coops, nests, roosts, etc.

Destroys lice on farm stock, bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes. Sifting-top can. **1 lb. 25c; 3 lbs. 60c. Except in Canada and the far West.** If not at your dealer's, write

DR. HESS & CLARK, Ashland, Ohio



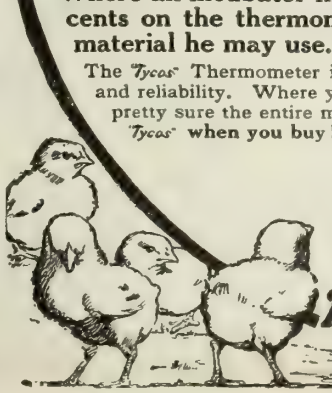
Be sure that the incubator *YOU* buy has a "Tycos" Incubator Thermometer



The Thermometer is the heart of the incubator. Maintaining exactly the correct temperature, is the chief factor in bringing out big hatches of healthy, sturdy chicks.

The best incubators always have "Tycos" Thermometers. **Where an incubator manufacturer tries to save a few cents on the thermometer, beware of other inferior material he may use.**

The "Tycos" Thermometer is the acknowledged standard for accuracy and reliability. Where you find a "Tycos" on an incubator, you may be pretty sure the entire machine is up to the standard. **Look for the "Tycos" when you buy!**



PRICES

"Tycos" Incubator Thermometer (Like Cut)	$ .75
"Tycos" Brooder Thermometer	.75
"Tycos" Incubator Hygrometer	1.50
"Tycos" Certified Incubator Thermometer	1.00
"Tycos" Electric Lighted Incubator Thermometer	2.50

Write for free booklet, "Thermometer Facts Worth Knowing."

Taylor Instrument Companies,
100 Ames Street
ROCHESTER, N.Y.

Mr. Maurice F. Delano, Poultryman

The Owner of the Famous Owen Farms, Vineyard Haven, Mass. The Man As We Know Him. The Great Island Poultry Farm Busier Than Ever. **By H. P. Schwab**

We left Mr. Delano at the Pittsburgh, Pa., show January 24th in a blaze of glory, and with the promise to visit him in the near future so that we could again see his great plant and whole line of stock which again was responsible for the brilliant record he made here at the Orpington Club meeting show, all considered he can well claim this to be the greatest ever made with these varieties.

It is a delight to visit shows and to view the beautiful specimens in wonderful condition, to see them as grown in their best quality, and then groomed and conditioned and exhibited by a master of Mr. Delano's calibre. East, West, North and South this line has been shown for years and has made new show history and records in every section. At New York, Chicago, Boston, Atlanta, Nashville, Augusta, St. Louis and other great shows almost without number they have made more and greater records than has any other line, that we know of.

These winning records are facts that demand special consideration where line quality and breeding value are considered, for upwards of ten years this line has been prominently before the public and has been improved year by year in quality, for annually it has made better and more records than before in their own hands and in the hands of their customers as well for their own winnings are but a very small share of the winnings this line has made for they are to be found at every show and in every section of the country. Every credit is due to the breeder who can consistently sell winners and whose supply of such quality seems to be unlimited, who at all times can furnish winners for any show and any company, but this is just what this man and farm have been doing for years, and the real secret is that back of it all is line value and breeding worth in his stock that must recommend it and make possible the quality and the reproducing quality here found.

Here at Pittsburgh in a show of 4,000 or more birds and in great classes of the popular varieties he breeds, Mr. Delano made what we consider is the most brilliant record of his career, a review of which follows:

In S. C. White Orpingtons 161 birds competing, he won cock 1st, hen 1st, cockerel 1st, pullets 1st and 2nd, pen 1st, silver cup for best collection, cup for each champion male and female and shape male. With but six entries in the five classes he won five first prizes and one second, the highest possible score that could be made.

In S. C. Buff Orpingtons, the Club show with 119 birds competing, he won cocks 1st, 2nd and 3rd, cockerels 1st, 2nd and 3rd, hens 1st, 2nd and 5th, pullets 1st and 5th, old pen 1st and young pen 1st. Here he won the President's Cup for best collection in the entire show, cups for champion male and female, cups for both shape and color on both male and female, etc., making a total of 11 cups on this one variety.

In White Wyandottes with 155 birds competing, he won cocks 1st and 4th, cockerels 2nd and 6th, hens 1st and 7th, pullets 3rd and 4th, old pen 1st, young pen 1st, with several cups and specials.

In S. C. Reds cock 1st, cockerel 6th, hen 3rd, pullet 7th. No pens shown. Cup for championship male and cup for best shaped male, etc., in a class of 140 birds competing.

To sum up Mr. Delano won a total of 16 of a possible 21 first prizes and a total of 23 silver cups including all championship cups.

It is particularly pleasing to us to write of Mr. Maurice F. Delano and his work, a personal friend of many years, one we have known almost a lifetime and under most every condition as a boy, as a man, as a breeder and as a judge, and always as a worthy and admired friend, he is today the same as the first day we knew him, his integrity beyond question, reliable and honest and always a thorough fancier and a master poultryman, he has every reason to derive much pleasure and satisfaction from his station and his work, and his friends particularly pride in his great success.



MAURICE F. DELANO

Proprietor of Owen Farms, Breeder of Buff and White Orpingtons, White Rocks, White Wyandottes and S. C. R. I. Reds

WHITE ORPINGTONS.

That the White Orpingtons are here to stay and are more popular than ever before is clearly evident to the observer of events. This season we have seen more and larger classes of them than ever before and we dare say that the general quality has improved a good 30 per cent over the past year, soundness in color is one of the greatly improved features for pure snow white birds are now seen in plenty, shape has also held pace and uniformity in type is seen to a very high degree, these with the improvements made during the past three years on combs, eyes and tails are most noticeable. The White Orpingtons as we have them today with their well known practical qualities make them one of our best and most desirable varieties.

The Owen line of White Orpingtons, or we may more properly call it the "Delano Line," for he is the man who has handled, mated and bred them all these years to their present state, was one of the first imported to this country, they have been under his eye and charge ever since, and to him a very great share of their progress is due. He has been their American champion from the first and his work has been consistent along with our breeders' demands.

At this time there are more and better White Orpingtons here on these farms then we have ever before seen in any flock, the birds are larger, evener and of more uniform quality than even we could have expected and it would puzzle anyone to find in this entire flock a paltry half dozen birds that would not add grace to any flock. We had reasons for surprise in the general shape and size and the evenness in quality and character. Here was seen almost without number cockerels, big husky fellows of beautiful form, heavy boned, full deep breasts, broad backs, fine tails and nice heads with extra good combs, and of that pearly white color so desirable. The same applies to the pullets, for they have the same character and quality in detail, for with legs well set they carry themselves gracefully and are sublime in their pure coat of absolute white. Beside their typical form and carriage and sound color the next feature here noted was the size and shape of combs and color of eyes. There can be no question but that Mr. Delano has greatly improved the White Orpingtons; we have visited these farms several times during the past few years and can well remember the stock and those birds in former years, then they were leaders and among the best in the country, and no mistake but that they are still leaders and high up among the best in the country today.

In cocks and hens Mr. Delano is well supplied, for he has a grand collection of these, and if there is any doubt in the breeder's mind of pure "Stay-White" White Orpingtons, then he should see these birds and all doubt will be expelled. Here are males and females from two to four years old as clean and sound as ever they can be, birds who years ago made their records and are just as fit today, but no doubt far more valuable in the breeding pens. His pens are all mated up according to his own fashion and they look very promising to us, for if like will produce like and quality produce quality, as we believe it will, then surely Mr. Delano has nothing to fear.

BUFF ORPINGTONS.

Buff color has always had a particular charm for Mr. Delano; we remember him many, many years ago breeding Buff Wyandottes and leading the world of breeders in buff color; he knows buff in all its stages and shades and in this we can find the secret of his wonderful success made with Buff Orpingtons. The buffs, like the whites, came to us in the rough; they had to be renovated according to American Standard ideas; they had to be toned and bred to the "Stay-Buff" strength and evenness throughout, sound in surface and under and from tip to tip. The progress Mr. Delano has made is seen here to advantage in his great flock of birds, for it is really a surprising collection.

The English breeders, if they can obtain shape, trouble themselves only in a secondary manner about general color, the size or shape of comb, color of eyes or lobes,

Fiske's Single Comb White Leghorns

The World's Best Breeder of Exhibition Pen Single Comb White Leghorns, winning at the Grand Central Palace, 1913, First and Fifth Pens, and at Madison Square Garden, 1913, Second and Fifth Pens. At Madison Square Garden, 1912-1913, I won First and FourthPens.

My winning at Buffalo, 1913, has never been equalled, for I won every prize in the Single Classes, First and Second Pens and all Specials.

Some of my other winnings are as follows: Grand Central Palace, 1913, First Cock, Fourth and Fifth Cockerels, Special for Best Shaped Male; Madison Square Garden, 1913, Second Cockerel, Third and Fourth Cocks, Fourth Pullet, Special for Best Headed Male, Special for Best Headed Female; also winning at the same time, the $100 President's Cup for Display, same having been won three times, in 1910-1912-1913. **At Boston, 1914,** I won 1st and 2nd Pens on two entrys.

If you wish to breed and raise your own winners, you must have some of my great birds or some setting eggs to improve your stock. **Beautiful Breeding and Exhibition Cocks, Hens, Cockerels and Pullets** for sale at prices to fit the rich or poor. Besides being Show Birds, these birds are the Greatest Layers on Earth. **Eggs** from the finest of Exhibition Matings in the World, $1 apiece. **Eggs** from the Greatest Laying Females ever seen, $10 per hundred, $80 per thousand. **Baby chicks** by the hundred or thousand. Send for my catalogue at once. Single Comb White Leghorns and nothing but Single Comb White Leghorns.

Harlo J. Fiske **Box No. 4** **West Springfield, Mass.**

and even side-sprigs and stubs have no terror for them in a general way, but here we consider them as serious defects that must be eliminated or disqualification will follow. From this it can be seen that the American breeder labors under a great handicap, for a bird to pass muster here must be brought right in all sections or he won't get a pleasant look from the judge, and with this I feel free to say that the American breeders really have the task of making this breed over again according to our own ideas.

Mr. Delano had promised to show us a great deal in Buff Orpingtons on our visit to his yards, as it is one of his favorites, over which he is very enthusiastic, and let me say right here with cause for his great flock of this variety is of particular evenness and soundness throughout. It was really remarkable the number of clean buff tails seen here in both males and females, and so many more with just the faintest bit of color in tails or wing-bows, all in all they were a charming lot and filled several houses of choice and rare quality. In going from pen to pen and from house to house it was the same story of superior quality in cockerels and pullets and in cocks and hens.

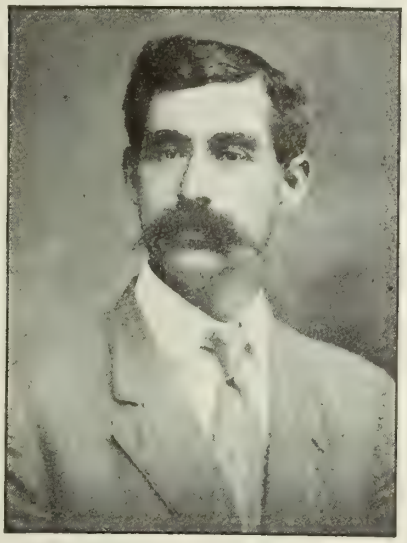
Here Mr. Delano had finished all his matings for the season and among these we found particular interest in asking many questions, for we always like to go to headquarters to learn more and to find out if possible what the other fellow knows, as before stated we look upon Mr. Delano with reason as a master of buff, here in his mated pens we observed a great deal of value and found that all his work has reason with a purpose and object in view. Quality and line breeding are closely followed, and if those matings as made don't produce both form and color to the highest degree, then we don't understand how it ever can be had.

Mr. Delano does not believe in extremes, nor does he bank on superior merit and quality in any one bird to overcome defects in the others, for his matings are all made along lines of individual quality in every bird used with absolutely no dependence on chance, so that when he obtains the desired quality, he knows just how and why it was produced, and that it is dependable for re-production. This to our mind is his greatest asset and insures highest breeding quality, with highest standard worth. An individual chance bred bird may prove a great exhibition specimen, but such have particularly no value as reproducers or as line breeders. The road to success is only over the long straight road of line-breeding—value combined with individual qualities and this entire flock is a glowing example of this truth.

WHITE PLYMOUTH ROCKS.

Ever since we have known Mr. Delano he has been breeding White Plymouth Rocks and from the time he went to the Owen Farms years ago White Rock history has been made and enhanced. During these years (if we mistake not) this line has won at the M. S. Garden, New York, show alone nearly fifty first prizes as shown by them and by their customers. At Philadelphia, Chicago, Boston, Baltimore and other great shows similar records have been made by this line and to our notion they combine all that is excellent in White Rocks.

Mr. Frank H. Davey, superintendent of



FRANK H. DAVEY
Superintendent of Owen Farms

these farms and probably the best known White Rock Breeder in this country, came here some years ago with his own famous Graystone line of White Rocks, and since has had full charge of this department, and to him and his work much of their later day success with this variety is due. Both of these strains line back to the original Harr Graves strain at whose death in 1904 the Owen Farms purchased his entire line of stock.

Three years ago at a previous visit here we tried to describe for our readers the twenty mated pens of White Rocks seen here and fear we failed to do them full justice; now as then they are beautiful matings of quality and we would make no particular choice among them, they are so evenly and grandly made, full of highest quality that one like another promises most excellent results. The males have the desired long, deep bodies, low full carried tails, fine heads and are absolutely white, the females correspond with same character and quality. Here we noted several winners of the past, birds who have won the highest honors at New York and elsewhere who, like old friends, it was good to again meet.

Now as before we wish to particularly comment on the purity of their color, with flaming red eyes and pure yellow legs; here they are strong in these points of excellence so desirably combined, they stand well and strong and carry themselves very fine.

WHITE WYANDOTTES.

I believe that both Mr. Delano and Mr. Davey have particular reasons for feeling proud of their line of White Wyandottes, for we know of several records that birds they sold made this year, last year and other years, besides making several fine winnings for themselves yearly. Here at the farm this variety receives the special attention of both the owner and the superintendent, for both have a weakness for them and a just pride in their line which has been one of their best sellers and for which they have always had a great demand for exhibition specimens and choice breeding birds.

These, like their four other varieties, have their own buildings and department and are entirely isolated from one another. Once here in the Wyandotte department one is reluctant to leave, the matings are made beyond criticism. The same plan of individual quality is followed here as in the other matings and results can confidently be expected.

S. C. RHODE ISLAND REDS.

Rhode Island Reds have proven a staple variety and here we found a large flock of the Single Combs that, like their other varieties, have made many notable winnings the country over. Three years ago this line won three (3) first prizes at M. S. Garden, New York, making an electrifying record, which remains unequalled to this day.

The matings here are featured by extra good shape in the birds and a sound, even, rich color. Most of the males used are winners of note or bred from such and with their general evenness show character.

The very best recommend we can give this line is to here state that we know of a breeder who a year ago purchased from Mr. Delano a male and eight females for $50, and besides breeding a choice flock of

Mrs. Carver, Seville, Ohio, the big Golden Campine winner at Chicago Coliseum. Eggs from her exhibition matings. Hen-feathered males. Low down prices.

"Pittsburgh Perfect"

The Most Effective and Economical

Chicken Fence

Save money by putting up "PITTSBURGH PERFECT" Chicken and Rabbit Fence. Not a "netting," but a *fence* of finest mesh, strongest fabric, best looks, longest life. These features mean *fence-economy* and *satisfaction* in the biggest sense.

Don't lose any more money through birds lost, or stolen by prowling animals. Put up this fence *now* and give your flock *real protection.*

"PITTSBURGH PERFECT" Chicken Fences are easily erected. Stand trim and rigid for years. No top or bottom boards necessary.

SOLD BY DEALERS EVERYWHERE



The only *one-piece* fence made. Joints

Welded by Electricity

All styles of "PITTSBURGH PERFECT" Fences are made of the same high quality Open Hearth wire, thoroughly galvanized with pure zinc. Stay and line wires are inseparably joined at every contact point by Electric Welding, an exclusive method of manufacture which gives these fences their great strength.

New catalogue, sent free, shows all designs made for FIELD, FARM, RANCH, LAWN, POULTRY and GARDEN purposes.
Write for it to-day, together with circular describing the new "PITTSBURGH PERFECT" Fancy Top Lawn Fence.

EVERY ROD GUARANTEED

PITTSBURGH PERFECT

THE WELD THAT HELD

PITTSBURGH STEEL CO., PITTSBURGH, PA.

birds, bred two cockerels that have been winners for him at two of our best and greatest shows. We had a buyer for either of these first prize winners, and offered in vain an unlimited price for either, which was refused. To produce such quality from birds costing but a mite over $5 each proves the claim I have made for the breeding quality of this line and shows it at its true worth.

Stock like this, that is produced with line breeding back of it, carries with it exceptional value and it is not always the individual that must solely be considered; look to line and breeding value and give them their due, for the greatest value in any animal is his breeding and reproducing quality. Price should be the last consideration for your time and your quality are worth far more than price in the end. Here also we are free to state that from what we know of their prices they are most liberal when we consider what they offer in the individual and the breeding back of them, it is full value to all.

This Great Island Poultry Farm, with its five varieties, has from first to last been the largest and most complete Standard-bred poultry plant we know of; here yearly thousands upon thousands of chickens have been grown that have been shipped to every nook and corner of the world with unusual credit to American production and American skill in breeding, they have well done their share to let the world know the value of our goods in money and in blood breeding lines and have placed our breeders in repute second to none on earth.

We visited these farms several years ago when first started and ever since at intervals of a year or two, but we have never seen there more or better stock than Mr. Delano has right now. With his matings made he has a surplus of several hundred in each of his varieties that are teeming with quality, and the kind that would help any breeder to better things in poultry.

Mr. Delano has with him besides Mr. Davey men well known as breeders in every department, each knows and understands his work and does it. We were pleased to here again meet Mr. Nickerson, whom we believe has been here always; he is the Orpington specialist, devoted to his work and with reason proud of his success; he has the confidence of Mr. Delano to an unusual extent.

Vineyard Haven is located on the Island of Martha's Vineyard and is about seven miles from the main land. Surrounded as it is by the great and restless Atlantic, its climate is tempered and the seasons are longer and of unusual evenness, insuring most favorable conditions for poultry culture.

Since last spring, when Mr. Delano assumed full ownership and control of this plant, he has met with pronounced success. He and his associates have the confidence of the public and are untiring in their efforts to complete the great task they have set for themselves, to breed more and better poultry and to lead the way to better things. Their personal pride will not let them waver for an instant, every man is on edge and this great plant surely has a very bright future which it so richly deserves.

Mr. Delano, we commend your work, it is of value to us all.

Looking Ahead.

Parcel post is here—it was bound to come, but we wonder how many men stopped to think of it ten years ago, and then took advantage of what it would bring.

There aren't very many—and when we hear of a case it is worthy of mention.

Down in Tennessee just outside of Chattanooga is one of the historical spots of the country—a place that will always be known the world over, it is the famous "Lookout Mountain."

Up on this historic mountain is the home of O. B. Andrews, originator and breeder of the famous efficiency 100% strain of Barred Plymouth Rocks and S. C. White Leghorns.

It was while raising these birds that Mr. Andrews could foresee the parcel post and the present demand for a good safe egg carrier, at a reasonable price.

So he started in to perfect a carrier—he didn't make one, but he made dozens of them—he tested them in every way and manner, he kept discarding the ones found lacking and improving on the ones that were good, until after a few years of experimenting he had perfected what is now known as "The Andrews Safety Egg Carrier."

It is a case that is perfect, yet made so

Gensemer's Campines Are Winners at the Great Coliseum Show, Chicago, 1913

We won on Goldens more prizes than all competitors combined.

Cockerels 1st and 3rd, Pullets 1st, 2nd and 4th, Hen 1st, Pens 2nd and 3rd.

Our 1st Cockerel and 1st Pullet were conceded by experts to be the best Goldens ever shown in America.

On Silvers at the same show we won 1st and 4th Cocks and 5th Cockerel.

At Cleveland Poultry Breeders' Show 1914, we won on Goldens, 1st Cockerel, 1st Hen, 1st and 3rd Pullets, 1st, 2nd and 3rd Pens, Silver Cup for Best Display.

Silvers, 1st Pullet, 1st and 3rd Pens, 2nd Cock, Silver Cup for Best Display.

SEND FOR CATALOGUE AND MATING LIST.

GENSEMER BROS., 161 Main St., CRESTON, OHIO

French's Poultry Mustard

Not a Table Condiment, But Made From the Choicest Imported Mustard Seeds. For Use With Poultry, and Prepared to Produce the Most Excellent Results. The Original Poultry Mustard in America! Don't Accept Counterfeits!

Recommended by Poultrymen. Used by the largest fanciers in the United States. See testimonials from such noted breeders as Haldie Nicholson, Edward Corning of Bound Brook, N. J., E. B. Thompson, the President of the American Poultry Association, and the largest poultry and egg producers in the United States.

32-page booklet of Ralph Allen's experiments in England, together with other articles upon the subject of Mustard for Poultry sent free. Write without stamp to **THE R. T. FRENCH COMPANY, Department A, Rochester, N. Y.**



MISS CAREY

Her Stud wins honors at the Dairy Palace Club Shows 6 successive years. (Write for Stud Record)

SHOW BIRDS - from **$10** EGGS for HATCHING from **$ 5**
BREEDING PENS from **35** DAY OLD CHICKS - from **10**
[Chicks from Heatherwood Farm only]

ORPINGTONS	FAVEROLLES	LEGHORNS	CAMPINES	SUSSEX	DUCKS
Buff, White, Blue	Buff, White	Buff, White, (260 egg strain)	Silver, Golden	Red, Speckled	Indian Runners Buff and Blue Orpington

ALL BREEDS OF POULTRY, WATERFOWL, DOGS AND PONIES EXPORTED TO ORDER

Book your orders today. Remember this is one of the leading export yards in the world and one that holds a world-wide reputation for the quality of stock supplied and wins secured by customers, and fair dealing. Hundreds of birds are exported annually in a wide variety of breeds, and we satisfy our customers in each one so they come again. **Won't you send us a trial order.** Write to England for my latest price list.

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Cable: Carey, Spilsby

that it is sold cheap enough to permit its use, not only by the fancier but also for commercial purposes.

The thousands of satisfied users are really the proof of their perfection and we feel perfectly safe in advising egg shippers to give the Andrews Paper Box Company a trial.

With each order of a dozen or more carriers they furnish the tape and shipping labels free.

If you will write them they will gladly mail you a catalog, which also gives complete description of their very unique safety chicken coop, baby chick carriers and portable wooden colony houses. Address Andrews Paper Box Company, Chattanooga, Tenn.

Carver's Red Farm.

Has a record of their customers winning prizes in twenty-five states last season, besides the winnings of Mr. Carver himself. At the big A. P. A. Ohio State Show Mr. Carver with S. C. Rhode Island Reds won 1st cock, 1st, 2d and 4th cockerel, 2d pen special for best male and special for 2d best male, and with his R. C. Reds 1st pen, 1st hen, 1st pullet, special for best female, special for 2d best female and special for pen.

While Mr. Carver was making this record one of his customers, a Mr. Lytle, won 24 prizes at the Dayton and Piqua, Ohio, shows, this list including all shape and color specials in his class. Mr. Lytle's winners are the result of two settings of eggs purchased from the Carver Farm last spring. Carver's Red Farms are as follows: No. 1 devoted exclusively to Rhode Island Reds; No. 2 exclusively to Red Sussex. Be sure to write for prices. Address Carver's Red Farms, Seville, Ohio.

The Home of Utility Show Birds.

At Trenton Junction, New Jersey, there is gathered together some of the world's finest fowls. Mr. Wm. D. Campbell, the superintendent of Wilburtha Poultry Farms, has produced some exceptional Columbian Wyandottes. He has several pens mated up with the prize winners of the 1913 Grand Central Palace and Madison Square Garden shows and other leading exhibitions.

Wilburtha Strain Columbian Wyandottes are noted for their wonderful egg producing ability and their unexcelled quality for broilers and roasters. In appearance they are about the most beautiful utility fowls one could raise. Their distinctive marking and feathering is most pleasing. The Columbian Wyandottes are not the only varieties raised so successfully at this farm. They have some choice Partridge Plymouth Rocks, Columbian Plymouth Rocks and a large flock of S. C. White and Buff Leghorns—the greatest layers of large white eggs in existence.

Wilburtha Poultry Farms are ideally located at Trenton Junction, New Jersey, to produce healthy fowls with vigorous constitutions. The young stock is reared right and kept free from taint of disease and vermin. They are line-bred from prolific laying stock that also have an envious record in the showroom. Mr. Campbell, the superintendent, says the demand for day-old chicks and eggs for hatching last season was so large that they have increased their facilities this year to enable them to fill all orders more promptly. We advise anyone interested in securing baby chicks, eggs for hatching or fine breeding stock to write to these folks for their free descriptive circular and prices before placing orders.

Shipping Eggs and Chicks.

The safe delivery direct to private customers by parcel post of strictly fresh table eggs and eggs for hatching and of day-old chicks by express is a problem every modern poultryman has to solve successfully before he can market these products to his best advantage.

You know yourself that no matter how high in quality a consignment of eggs or baby chicks may be, if they reach you in a battered, dirty or cheap package you instinctively feel that they are not up to your expectations. They do not satisfy—although the very same consignment in a clean, strong and up-to-date package would please you and make you feel that you had received your money's worth. Ship your eggs and chicks in the most attractive package you can secure, and other things being equal you will stand head and shoulders

Pape's Single Comb Black Minorcas

Are WORTH WHILE. They have won Championship Honors at Chicago, New York, Memphis, New Orleans, Cincinnati, etc., and are acknowledged the greatest of all large white egg producers.



A Festival of Bargains

Am offering pairs, trios and pens that will start you on a paying basis and cock birds and cockerels that will improve any flock, shipped on approval at introductory prices. Our free 1914 Mating List as well as EGGS THAT WILL HATCH ARE NOW READY FOR DELIVERY. Let's get acquainted. What have you in mind? I will help you.

CHARLES G. PAPE BOX B-74 FORT WAYNE, IND.



Hercules, 2d White Rock Cock at Boston, 1913

RANCOCAS White Leghorns and White Rocks

Have won the principal honors at five of America's largest shows, this season, including Madison Square Garden and Boston. Why not buy your hatching eggs where you can get the best?

Send for our complete winnings and mating list. Eggs from our best matings $10.00 per 15.

RANCOCAS POULTRY FARMS, Box 512, Browns Mills, N. J.

Successful Lessons in Poultry Raising FREE

SEND me your name now *before* you spend a cent for *any* incubator or brooder—*before* accepting *anyone's* proposition. I want to tell you how I give a regular $25.00 simple, practical course of advice in printed form—facts based on my 25 years' poultry experience with my incubators. These *Free Poultry Lessons* include personal attention and advice that no other maker can give. Also lessons before you start—when you start—while you are hatching—how to make the biggest hatches and raise biggest broods—how to get biggest prices and sell for spot cash.

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give most chicks—raise more chicks—*every time, in any climate, anywhere,* for longest term of years.

Send your name at once for my FREE book and low price proposition.

Successful Grain Sprouter keeps your fowls laying all winter—when egg prices are up. Furnishes green food in coldest weather. Ask about my high grade poultry—stock and eggs of all leading varieties—land and water fowls. Write me personally for free catalog and other literature.

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NOTE—Our famous little booklet "Proper Care and Feeding of Chicks, Ducks and Turkeys"—Worth its weight in gold—sent for 10 cents. But our BIG Catalog is FREE. Write for it.

Ask about our thoroughbred poultry and eggs for hatching at lowest prices

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Remember that

Russell Cave White Orpingtons

Layed more eggs than any other pen of Orpingtons, all varieties competing, at the Missouri National Egg-laying contest, besides winning the cup for the greatest number of eggs during the month of February, against all breeds.

My Winnings This Year Are As Follows:

The Great Hagerstown Fair—1st and 3rd Hen, 1st and 2nd Cockerel, 1st and 3rd Pullet, 1st Pen—no cock shown—special for the best hen in the show.

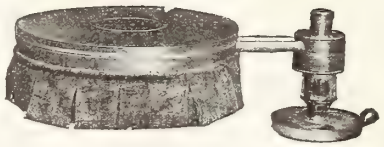
Augusta Poultry Show—1st and 2nd Hen, 1st and 2nd Cockerel, 3d, 4th and 5th Pullet, 1st Pen and specials.

Eggs from the Greatest of All Matings
$15, $10, $5. Satisfaction guaranteed

RUSSELL CAVE POULTRY YARDS
Address Louis Lee Haggin, Prop., Route 3, P. O. Box 1025, Lexington, Kentucky

Incubator, Brooder and Poultry Yard **SUPPLIES**

Our New Catalog issued Feb. 15th shows a full line of Incubator and Brooder Supplies, Fixtures and Repairs; and



Brooder Hovers complete, with lamp, hover cloth and curtain, from **$1.80** to **$8.00**

The Complete Oakes Line of Labor Saving Poultry Yard Devices



It tells you how to save half the time and labor in caring for your fowls, and at the same time get much better results.

O. K Dry Mash Hoppers, Economy Automatic Feeders, 3-Compartment Hoppers, Grit and Shell, Boxes and Chick Feed Hoppers, **50c** to **$1.85.**

We have a copy of this catalog for you, send for it today.
Catalog No. 22B



Sanitary Drinking Fountains, **15c** to **$1.75**

The Oakes Manufacturing Co.

Factory and Home Office - - Tipton, Indiana
Eastern Branch, 64 Cliff St. - - New York City
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above your competitors. You will get more business and better business; your customers will come back with cash orders—not kicks and claims for damaged goods. The Wright Shipping Boxes for table eggs, hatching eggs and day-old chicks have been designed by a practical poultryman, one who has for years been shipping these products, and one who has given to the problem the experience and knowledge secured in this manner. Wright boxes are built on principles of strength, convenience and simplicity that make them very successful for their purpose. They combine a high quality of material with the last word in detailed perfection of construction.

The Tywacana Poultry Farms Co. manufacture these boxes and have a very interesting little booklet which they will mail free to any poultry raiser. The Wright boxes come "knocked down" flat, so occupy but very little space until ready to "set up," which is a simple and quick job, and pack for shipping to your customers. Write to them for prices. Address Tywacana Poultry Farms, Farmingdale, Long Island, N. Y.

Baby Chicks and Ducks.

The products of the "Niagara Farm," owned by W. R. Curtiss & Co., Ransomville, N. Y., have been so long and favorably known that we forget when they started. This was one of the early plants, and during the past few years has grown to immense size, and is today without exception the largest plant of its kind in this country, if not in the whole world.

Baby chicks, eggs for hatching and choice breeding birds in White Wyandottes, White Rocks, White Leghorns and Rhode Island Reds and Pekin and White Runner Ducks are their specialty. That they and their goods are reliable is attested by their great success and the many years they have been doing business.

We visited these farms lately and made mention of their plant and stock, and we are pleased to recommend it. The stock is of rare quality, strong and full of vigor, just the kind to assure results.

The poultry question has been a study here for years and the feeding in particular, as this is a most important item when upwards of 100,000 head of poultry and ducks are bred and grown each year. Their catalog gives feeding formulas that are of greatest value and the book is free to all asking for it.

Cut clover is also a specialty here. Their "Niagara Brand" was one of the first ever put up and offered for sale. I have used it for ten years and expect to for many more. Write them your wants and for catalog and always mention American Poultry Journal. —H. P. Schwab.

On the Job.

There is nothing like being on the job early, and to this fact our Canadian friend, J. S. Martin, can show several hundred baby chicks ready for the market. Mr. Martin started in early, hoping to hatch at least 2,000 chicks, and at the rate he is going he will have them by March 10th, which goes to prove that the early bird gets the worm.

Mr. Martin has just issued a beautiful catalog and mating list. It tells you all about his famous Royal White Wyandotte winners with snapshots of his breeding pens and plant.

If you write to him he will send you a copy and also quote you baby chick prices. Address John S. Martin, Box 51, Port Dover, Canada.

House of Quality.

That tells the story of a real modern up-to-the-minute poultry plant, which I had the pleasure of visiting the other day. It is the home of Standard White Wyandottes, bred and owned by F. E. Skinner at Sandwich, Illinois.

He has made quality his watchword and his hundreds of letters from satisfied customers bear out the statement that his is the "house of quality." Mr. Skinner's winnings included such shows as Indianapolis, St. Louis and Chicago. His mating list is just off the press and I take pleasure in recommending both him and his birds. Write today for his prices. Address F. E. Skinner, L. Box 806, Sandwich, Ill.—J. C. Johnston.

Wm. Cook & Sons, originators of all the Orpingtons, Scotch Plains, New Jersey, won with their Orpingtons during the season of 1913, 356 prizes, including 179 firsts and 105 seconds at the largest shows in America. At a large number of the shows they won the cup for the best bird in the show and several times cup for best pen in the show. Practically all these first prize winners are now mated up in their best egg

pens. Mr. P. A. Cook makes a practice of only showing a bird once and then mating it up; this insures fertile eggs. This firm has their mating list out, which can be had for the asking. They are also making a specialty of ornamental land and water fowl, having had attractive displays at the Cleveland and Pittsburgh poultry shows. Mr. Cook mentions the fact that the firm has now been in business forty-one years with an increasing business every year, which means forty-one years spent in giving satisfaction.

Our Old Friends.

Beyond a shadow of a doubt two of the world's greatest poultry breeders and exhibitors are our two old friends, W. R. Graves and his wife, Mrs. S. H. Graves.

These two poultry experts formerly lived at Southboro, Mass., but last fall moved to Janesville, Wis., where they combined their interests with W. H. Ashcraft. Mr. Ashcraft formerly had a good farm, but with the advent of Mr. Graves and his wonderful poultry knowledge, business increased with leaps and bounds; but right here we must not forget to mention Mrs. Graves, for you can travel the world over and nowhere will you find a greater bird conditioner than she is, and her handiwork has been seen in a great many of the blue ribbon winners of the country.

It is the "Graves" world renowned Blue Ribbon Strain White Rocks and White Wyandottes that are always such consistent winners at New York, Boston and Chicago, in fact, wherever shown they are among the winners, and at the annual show of the National White Wyandotte Club held in Cedar Rapids, Iowa, Jan. 12-17, along with 300 of the best birds ever shown, they won 1st, 4th, 5th and 6th cockerel, 3rd and 4th pen, 7th and 8th cock, 4th and 5th hen, 4th and 6th pullet, 2nd display cup four best cockerels, cup for best White Wyandotte in show, gold medal for best cockerel in show and medal for best cockerel in American classes. They also entered one pen of White Rocks and won the blue ribbon. Is it any wonder that we class Mr. and Mrs. Graves among the world's best breeders?

I am personally acquainted with Mr. and Mrs. Graves and can fully recommend them to our readers, assuring you that all orders placed with them will receive their careful and prompt attention. They have some mighty fine birds for sale and have just issued a handsome new mating list, so be sure to write them. Address Rockandotte Farm, Route 3, Janesville, Wis.

Brook Side Stock Farms.

Making nine entries with Golden and Silver Wyandottes at the late Columbus Show, Ira C. Keller of Prospect, Ohio, captured 1st cock, 1st hen, 1st cockerel, 1st pullet, 1st young breeding pen, also silver cup for best pen in American class. These were his Silver Wyandotte winnings. With Golden Wyandottes he won 1st cock, 1st hen, 1st cockerel, 1st pullet and the A. P. A. medal for best cockerel in entire show. He also won 9 shaped and color specials. A grand showing when you consider there were 1,200 entries in the show. This is the second time his Silvers have won the cup for best pen in American class at this show. Mr. Keller did not show any White Wyandottes this season. He has a few choice birds to spare and his big circular and mating list is free; write for it. Address Brook Side Stock Farms, Prospect, Ohio.

Secret of Vitality in Chicks.

It is not too early to begin thinking of the chick problem. To have a healthy chick one must begin not with the incubation but with the parent stock.

Perhaps the most thorough going tests ever applied to the big problem of producing healthy chicks have just been concluded and it has been shown that absolutely healthy breeding stock almost always produces healthy chicks. White diarrhoea should be prevented rather than cured.

Poultry fanciers and even directors of state experiment stations have been resting under the delusion for example that the hen gets her lime for her egg shells out of oyster shell or raw lime. The fact is that it has never been proven that any fowl can assimilate any mineral matter that has not first been digested by vegetable life.

The Nabob Remedy Co., Box A, Gambier, Ohio, therefore has perfected a formula that gives the hen predigested lime, equivalent to the available lime contents of a ton of oyster shell, in a five pound package. This is a wonderful formula and we suggest that you write them for folder which tells the complete story.

A Guaranteed Trap-Nest

Never fails to work. It is simply constructed and cannot get out of order. No mechanical parts. Can be set in one second. No springs. A child can put it together. Single nest one foot long. Price each 75 cents. Money refunded if not satisfactory. Write for catalogue.

SIMPLEX SUPPLY HOUSE, Pontiax Bldg., Chicago, Ill.

Burpee's Seeds are supplied every year direct to more American planters than are the seeds of any other growers. Do your seeds come direct from Philadelphia? If not, we should like to make your acquaintance. Simply send us your address (a postal card will do) and you will receive **Burpee's Annual for 1914,**—a bright book of 182 pages, which has long been recognized as "The Leading American Seed Catalog." Kindly **write to-day!** Address

W. ATLEE BURPEE & CO., Burpee Buildings, Philadelphia



There's Big Money in Chickens IF—

they are properly fed. Successful poultrymen everywhere have demonstrated this fact.

Darling's MEAT CRISPS

balances the grain feed and makes a ration that makes hens lay more eggs and more fertile eggs and makes chickens grow faster.

Send today for our free booklet, "Feeding Secrets of Famous Poultrymen." It tells how you can make your chickens pay.

Feeding Secrets of Famous Poultrymen

"I Need Meat"

DARLING & COMPANY, Ashland Av., Chicago.

Mfrs. of Darling's high-grade meat poultry foods.

A Little Better

than all others—that tells the story of our special

Self-Locking Leg Bands

Locks itself by simply pushing it together. Made of a "new, special metal" that is rust-proof, non-corroding and highly polished. Each band with its own number embossed. Made in sizes for Mediterranean, American and Asiatic birds, also turkeys.

EASILY ADJUSTED WITH THE FINGERS AND IT IS THEN ON TO STAY



12 bands, any size	$0.15
25 bands, any size	.25
50 bands, any size	.45
100 bands, any size	.75
500 bands, any size	3.50
1,000 bands, any size	6.00

Money refunded if not satisfactory.

Write for our Catalog showing Complete Line of Poultry Appliances

SIMPLEX SUPPLY HOUSE, PONTIAX BLDG., CHICAGO, ILLINOIS

A Bird In The Hand Is Worth Two In The Shell

134,875 CHICKS

A Bird In The Hand Is Worth Two In The Shell

That's our shipment record for last Season—made possible by the extra fine service we render all of our customers—you'll find that

TWENTIETH CENTURY CHICKS

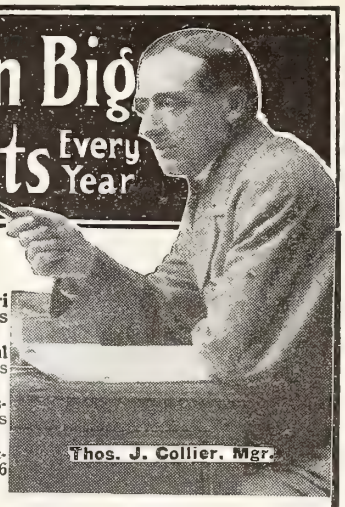
will mature into hardy pullets because every one of our eggs are specially chosen from selected free range stock. Look at these prices, they mean **more** profits to you.

	Per 25	Per 50	Per 100
S. C. White Leg.	$2.50	$5.00	$10.00
S. C. Brown Leg.	2.25	4.50	9.00
B. P. Rocks	2.75	5.50	11.00
R. C. Reds	3.00	6.00	12.00
Broiler Chicks	2.00	4.00	8.00

Now shipping weekly by express—chicks reach you quickly, safely—satisfaction guaranteed or money refunded. Send your order at once. Catalog free.

TWENTIETH CENTURY HATCHERY DEPT. B CHATFIELD, OHIO

Wisconsin Wins In Big Hatching Contests Every Year



Winner 1910-1911-1912-1913

Mrs. J. McMahon, Veedersburg, Ind., won in Missouri Valley Farmer Hatching Contest, hatching 125 chicks from 126 eggs.

Mr. C. B. Armitage, Atwater, Ohio, won in Successful Farming Contest, hatching 181 chicks from 181 eggs in two hatches.

Mrs. J. W. Mize, Vaughn's Mills, Ky., won in Successful Farming Contest, hatching 208 chicks from 209 eggs in two settings.

Mrs. F. H. Lewis, Montrose, Pa., in 1913 won in Successful Farming Contest, getting 96 chicks from 96 eggs in one setting.

These contests were open to all makes regardless of price and prove beyond question that the famous Wisconsin machines are the **best for the money in the world.**

I stand ready to prove to you that Wisconsin Incubators are the best built and best equipped machines in the world for the money. You can't get bigger or better hatchings even if you pay twice the price. I build the outer walls of my incubators of Genuine California Redwood —costing 4 times as much as materials some manufacturers use. If you will write for my catalog, I will gladly mail you a sample of the lumber so you can see the quality and compare it with others. If you do this I know you will order a Wisconsin. One hatch will pay for your machines and more. If you are not perfectly satisfied, simply write me—send the goods back and I'll not only return your money, but pay the freight charges and charge you nothing.



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Wisconsins are bigger, better, more value than ever —no increase in price. Incubators have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under egg tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testers, all set up, ready to use when you get them. Incubators finished in natural colors showing high grade California Redwood lumber used—not painted to cover inferior material. If you will compare our machines with others we will feel sure of your order. Don't buy until you do this—you'll save money—it pays to investigate before you buy. Money back if you are not satisfied.

WISCONSIN INCUBATOR CO., Box 76 , RACINE, WIS.

The Washington, D. C., Show, December 23-27, 1913.

The Greater Washington Poultry and Pigeon Club held their annual exhibit in a hall entirely too small and where it was next to impossible to draw the people. Also there are two associations there with room for but one, both have loyal members and loyal breeders and we hope for the sake of the fancy and all concerned they will get together and hold one "Great National Exhibit." They can do this if they but try.

There were several nice classes of birds here. Black Langshans fit to win in any show, exhibited by Mr. Porter Elosser, Cumberland, Md., who won about all awards.

Barred Rocks, a very nice class with first cockerel the gem of the lot, beautiful in barring and color.

White Rocks, a beauty class with birds in best possible condition, Mr. C. F. Webster, Girard, Pa., winning all first and second prizes.

Buff Rocks very good; many strong specimens.

Partridge Rocks good in number and quality. First cock and cockerel grand.

White Wyandottes one of the best and largest classes here, fine quality in every coop and winners of exceptional quality, first cockerel winning best bird in show.

Partridge Wyandottes as good as we expect to find them at any show, Mr. H. J. Hunt 3d a strong winner and Mr. S. E. Ferrar close up in all classes.

Reds in both combs well shown. Shape a feature and excellent color. The cockerels in Single Combs a hot lot.

Orpingtons in Buff, Black and White shown in good numbers and of grand quality. In the Buffs the Old Forge Poultry Farm, Spring Grove, Pa., won first hen on a charmer, also cockerel and third pullet. Mr. Walter Johnson, the famous baseball player, was exhibiting his White Orpingtons here and won 2d hen, 2d cockerel, 2d pullet. As a player he usually wins first prize.

S. C. White Leghorns, a large class with many fine birds, condition very good.

S. C. Buff Leghorns, a grand lot and many of them color averaged fine, shape and size extra.

White Cornish, a large class and with many very fine specimens.

Andalusians good.

Campines a surprising small class.

Most all varieties were shown and the show was complete in classes of water fowls, bantams, pigeons, etc.

Now, boys, once again get together and give the fancy what it deserves—a great show at the nation's capital.—H. P. Schwab.

Streator (Illinois) Association.

Twenty-five real progressive poultry men of Streator, Ill., recently met and formed an association with a view of improving local conditions. It will be known as the Streator Poultry Association and will be affiliated with the A. P. A. The following officers were elected: W. B. Meils, president; Richard Marshall, vice president; Chester Jack, second vice president; W. H. McCormick, secretary and treasurer; Fred Schroeder, supt.; Elmer French, asst. supt., and W. S. Eisenhart, Lawrence Weitlespach, Finn Schroeder, W. C. Jones and George Westwood, as directors. The best wishes of the A. P. J. go with you, gentlemen. May you have unbounded success.

Quality Tells.

One of the best shows in the country and one where competition is always strong, is the Indianapolis National Fanciers' Show. Therefore when a breeder is fortunate enough to capture one of their blue ribbons, he can justly be proud.

H. N. Hanchett, of Jackson, Mich., is one of those few who is holding his head high, for his Blue Orpington cockerel carried away the blue ribbon. He also won 4th cockerel and 5th pullet. At the Detroit state show he won 1st and 2nd cockerel and 1st pullet, at Jackson, Mich., he won 1st, 2nd and 3rd cockerel and 1st, 2nd and 3rd pullet. At Chicago Coliseum he won 2nd and 5th cockerel and 4th and 5th pullet.

At the Jackson, Mich., show in one of the strongest classes ever shown Mr. Hanchett entered two White Wyandottes (the first entries of Wyandottes he has made since the Garden show of two years ago), and he won 1st pullet and 1st pen.

All of these winners are found in the mating pens of Mr. Hanchett, and without doubt should produce some of the best Blues in the country this year. Before placing your order, write for his list and prices. Address H. N. Hanchett, Jackson, Mich.

New Members American Poultry Association.

Elected to membership Feb. 2, 1914.
Wm. B. Butler, Columbus, Ohio.
Chas. W. Kirsch, R. 7, Chillicothe, Ohio.
Wm. H. Gibbins, Zanesville, Ohio.
H. E. Young, First National Bank, Bremen, Ohio.
Henry A. Butler, Youngstown, Ohio.
A. G. Dross, 2222 Wayne Ave., Dayton, Ohio.
C. M. Ault, Piketon, Ohio.
Carl F. Blank, R. 12, Dayton, Ohio.
Fred A. Poertner, Buff Poultry Farm, Berea, Ohio.
E. F. Williamson, Prairie Depot, Ohio.
Guy C. Pexton, 1524 W. Third St., Dayton, Ohio.
Carl D. Forney, 1524 W. Third St., Dayton, Ohio.
Louis M. Greif, Prop. Chanticleer Farm, West Park, Ohio.
Arthur E. Lemieux, 4539 N. St. Louis Ave., Chicago, Ill.
Royal A. Stipes, Champaign, Ill.
Earle S. Barker, Evanston, Ill.
L. W. Niles, Bethany, Ill.
Fred J. Rorig, Elgin, Ill.
F. W. Steele, Greeley, Colo.
Chester Blunt, Greeley, Colo.
J. W. Dillon, Greeley, Colo.
C. W. Candlin, Eaton, Colo.
Dr. A. W. Swedberg, 232 S. Marion, Denver, Colo.
Mrs. A. J. Higgins, Effingham, Kan.
Mrs. James Aitken, Severy, Kan.
F. O. Sanders, Oswego, Kan.
Wm. Scott, Abilene, Kan.
J. S. Niswander, Union City, Kan.
J. Osborne Brink, LaPorte, Kan.
Carl H. Spaeth, LaPorte, Kan.
Dr. Frank P. Dorian, 35 Franklin St., Yonkers, N. Y.
China Hanchett, R. D., Verona, N. Y.
Frank W. Silcock, Tuxedo Park, N. Y.
Marie H. Luce, 77 Genesee St., Auburn, N. Y.
P. M. Beard, Hardinsburg, Ky.
E. C. Carneilsion, Main St., Richmond, Ky.
Wm. Jenkins, R. 6, Lexington, Ky.
R. A. Chiles, care Chiles & Co., Mt. Sterling, Ky.
Joseph W. Lippincott, E. Wash. Square, Philadelphia, Pa.
A. W. Klinger, Klingerstown, Pa.
G. W. Weigel, Lock No. 3, Pa.
J. F. Ison, Halsey, Ore.
E. W. Barnum, 741 Hamilton St., Roseburg, Ore.
Dr. A. E. Young, Eugene, Ore.
John W. Duke, Guthrie, Okla.
L. K. Meek, care Meek & Ball, Mulhall, Okla.
S. A. V. Howell, Okla. City, Okla.
Mrs. Henry Moseke, Lindsay, Neb.
O. B. Hill, N. Loup, Neb.
Chas. C. Johnson, Fremont, Neb.
Marie D. Peffer, Pewaukee, Wis.
Chas. W. Prei, Waukesha, Wis.
Mrs. J. W. Page, Elkhorn, Wis.
J. W. Shearer, Algona, Iowa.
A. D. Murphy, care H. D. Murphy & Son, Essex, Iowa.
H. B. Basch, R. 5, Davenport, Iowa.
Mrs. Elmer B. Martin, Downey, Calif.
J. W. Tahrenbrog, Sebastopol, Calif.
F. H. Green, Modesto, Calif.
S. G. Magruder, R. 2, Armstrong, Mo.
L. P. McDonald, Moberly, Mo.
Chas. Frances, Interlachen, Fla.
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J. F. Vermillion, Rusk, Texas.
E. B. Saunders, 133 Amherst St., Nashua, N. H.
E. C. Spain, Church Road, Va.
B. M. Devine, Cresbard, S. Dak.
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J. S. & C. A. Barton.

In South Bend, Indiana, is located one of the real modern up-to-date poultry plants of the Middle West, and along with the plant the "Buff Orpingtons" bred there are strictly up to the minute—birds that have won the "lion's share" of the awards at many of the leading shows.

At the recent South Bend show it was the writer's pleasure to handle some of their entries, all of which showed fine quality, the 1st cockerel being a grand bird in type and color—a shade of golden buff throughout. If you are looking for Buff Orpingtons that are sure winners, write the Sunrise Poultry Yards, South Bend, Ind.—J. C. Johnston.



THIS IS THE ALUMINUM "CONVENIENT" LEG BAND
Note the strong, secure fastener, so simple and complete—the number is not stamped in, but raised OUT—plain, readable—can't get full of dirt. Reaches you already bent in shape ready to put on—12 bands 20c; 30 for 45c; 60 for 75c; 100 for $1.00. Sample Free—
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That's what they'll exclaim and then quickly buy—at a good price—all such delicious berries you can produce. It pays to raise large, beautiful true-to-name standard varieties of berries such as

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Your success is assured if you start right with ALLEN'S hardy, prolific, correctly grown berry plants. All the early and late strains of standard varieties for every soil and climate requirement. Over 120 acres devoted to strawberry culture alone at the ALLEN Nurseries, 29 years successful experience growing berry plants of the best quality.

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It's full of valuable information to fruit growers. Lists and describes Allen's complete line of Strawberries, Raspberries, Blackberries, Currants, Grapes, Asparagus, etc. Tells how to grow small fruit profitably. A copy will be sent FREE. Write today.

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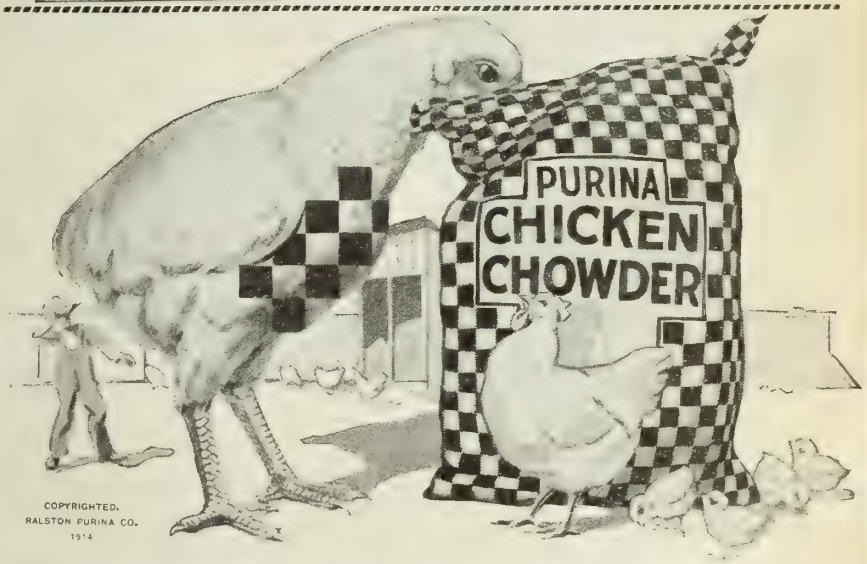
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It makes them grow twice as fast. This means large profits, heavy egg production and vigorous chicks that withstand disease. You can't afford to be without this *growing feed* now, any more than you could afford to be without it last winter when you proved that "if Chicken Chowder won't make your hens lay they must be roosters." Feed Chicken Chowder in addition to Purina Chick Feed and double your profits. For sale by leading dealers. Order from your dealer today.



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For your dealer's name we will send you this 48-page Poultry Book, containing plans of houses, breeding and feeding charts, space for daily egg records, cures of diseases, care of baby chicks, etc. It also contains information about Col. Purina's half price galvanized iron Chick Drinking Fountain (2 for 25c) and more details about his Automatic Chicken Chowder Feeder (50c). Write today.

Col. Purina, Purina Mills, 801 Gratiot Street, St. Louis, Mo

Illinois State Poultry Show.

(Continued from last month.)

well spread tail; good legs and feet; white in undercolor of neck. Third, fourth and fifth were in their right places.

Hens.—First, good Rock body and back; well spread tail; comb bad; well laced in all sections, losing somewhat in color of hackle. Second, good type; well finished; bad comb and head; nice broad back and well spread tail, losing in color in all sections to first. Third, good Rock type; fine back and body; slightly pinched in tail; coarse in comb; even in color in all sections; well penciled, but two or three shades too light in ground color. Fourth and fifth both good hens properly placed.

Pullets.—First, well balanced on good firm legs; good head and eye; slight cushion in back; ground color good, showing splendid lacing; hackle color good. Second, a close running mate for first; grand head and comb; strong color in hackle; good penciling all through. Third, good back, body and breast; pinched in tail; well penciled; ground color a shade light. Fourth, too strong in color, showing metallic sheen in ground color. Fifth well placed.

Single Comb Rhode Island Reds.

Cocks.—First, good, well balanced type; good back and tail; a shade light in surface color, strong under, with fairly good wing; shape special. Second, long back and body, good breast and tail, fiery red eye, good wing and undercolor; surface two shades light. Third, short in back and body; good tail, coarse comb; strong even surface color, good undercolor and wing; losing on shape. Fourth, unfinished in back and tail; good comb and eye, losing in surface and undercolor. Fifth, good back and body, long keel; off in tail shape; comb bad; lost in color, both top and under.

Cockerels.—First, well balanced; a trifle short in back and body; good tail and breast; one shade of color from head to tail, which if a shade richer would have been perfect; strong in wing and undercolor of hackle; color champion male. Second, good back and body shape; tail too long; good color, top and under; good comb and eye; losing in color of wing. Third, short in back and body; bad comb; splendid color in back, breast and body, breaking in hackle and losing in color of wings. Fourth and fifth well placed.

Hens.—First, grand head, great length of back and body; long, straight keel; brilliant red color, with strong undercolor in all directions; won with ease. Second, good large type; fine back and tail; neat head and comb; too loosely feathered; good color all through. Third, fourth and fifth in proper order, losing in type and color to first and second.

Pullets.—First, well balanced in all sections; neat head and comb, with good eye; strong in color both top and under; won shape, color and champion female. Second, equal to first in type, with strong wing, losing in surface color. Third, grand back and body; little short in shanks; good comb and head; strong in wing; color losing in surface. Fourth and fifth good strong contenders for honors.

Rose Comb Rhode Island Reds.

Cocks.—First, splendid type; great length of back and body, with good, well carried tail; clean, even color all through. Second, short in back and body; bad comb; light surface color and losing in wings. Third, coarse in head; good back and body; pinched in tail; good surface and undercolor; losing on condition. Fourth, bad head and eye, losing in type and color. Fifth, belonged at the foot of the class.

Cockerels.—First, well finished; short in back and body; good breast and legs; brilliant color top and under; strong wing; color special and champion male. Second, a good, unfinished specimen; good surface and under color, losing in wing and hackle. Third, good long type; good back and body shape; well finished; losing in top and undercolor. Fourth and fifth well placed.

Hens.—A good class well placed, first hen winning shape special and champion female.

Pullets.—First, type and finish good; grand head and comb; red eye; strong in color both top and under; won color special. Second, nice carriage; good head and comb; strong in surface color; losing in undercolor to first. Third, fourth and fifth all classy pullets showing lots of quality.

Light Brahmas.

Cocks.—First, a grand, large, vigorous bird, strong in color all through, showing splendid Brahma type. Second, beautiful in color, but losing in type.

Cockerels.—First, a good representative of their grand old breed; won shape, color and champion male. Second, long in back, losing in shape and color. Others well placed.

Hens.—First, cushioned in back; excellent lacing in hackle and tail; good in wing. Second, good type and finish, losing in color to first.

Pullets.—First, a beauty in type and finish; clean color all through; well balanced on good legs. Other pullets good and well placed.

Black Langshans.

Cocks.—First, a large, vigorous bird, flat in back and off in tail; good head and feet. Second, good back; low in tail carriage; good head points; losing in color to first.

Cockerels—First, well finished; well balanced; good back, tail and body; firm legs and feet; good comb and head; showing some bronze in back and tail; shape, color and champion male. Second, third, fourth and fifth well placed.

Hens.—First and second, good birds. Others in proper place.

Pullets.—First, good head, back and body; good legs and feet; unfinished in tail; clean color; won shape, color and champion female. Second, good in tail shape; long back; bad comb; good legs and feet.

Single Comb Brown Leghorns.—Exhibition cocks.—First, good breast and body; well carried tail; bad comb; slightly breaking in back in front of tail; hackle and saddle striping perfect; wing color extra good; under color good. Second, nice carriage, well finished, losing in color to first.

Cockerels.—First, well finished; good tail; breaking in back in front of tail; coarse in comb; good lobes; strong in striping in hackle and saddle, with good undercolor and wing. Second, well finished; better head; good carriage; losing in color of ear lobes. Others well placed. Fourth won shape special.

Hens.—First, good head and graceful in every line of her body; good tail well carried; excellent striping in all sections. Second, losing in all sections to first.

Pullets.—First, neat head; good racy type; good, well spread tail; well striped all through. Other pullets good quality all through and close contenders for all places.

Single Comb White Leghorns.

Cocks.—First, neat, well balanced; good tail well carried; a trifle short in back; good breast and body; white in face; shown in fine condition. Second, good comb, head and eye; short in back; breaking in front of tail; tail carried too high. Third, grand type; comb in bad condition; gracefully curved lines to body, with grand back; tail

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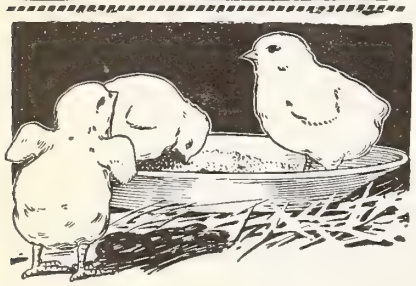
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For Spraying Vines, Tobacco, Cotton, Disinfectants and trees 20-ft. high. Fine for Whitewashing. **Money Returned** if not as represented. **Prices Parcels Post Paid.** No. 15—4-gal. size, $5.50; No. 16—4-gal. all brass body, $7.50; No. 18—5 gal. all brass body, $8.50, express prepaid. Order direct from adv. Terms cash. Catalogue free.



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Get Eggs Now

You can make your hens lay and have eggs to sell *now* when eggs are high by using

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A Regulator and Tonic. Puts whole flock in condition. Satisfactory results or money back. 25c, 50c and $1. In pails $1.60 and $3.

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For sneezing, coughing or moping fowls put in the drinking water

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A Preventive and Remedy. Fowls take their own medicine. Keep on hand and save your flock. 25 cents, 50 cents and $1.60

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WHY FEED CRYS-CO GRIT? 10 REASONS

1. BECAUSE it increases the egg yield considerably, therefore **Your Profits.**

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3. BECAUSE it contains pure silicate grit, giving the hen finer plumage and being cubical in form a perfect grinder, thereby insuring digestion of the food.

4. BECAUSE in **Crys-co** you have a perfect shell producer and grit combined, far superior to oyster shells and ordinary grit.

5. BECAUSE it means economy, as **Crys-co** goes half as far again as shells, as there is no waste, and you need no additional grit.

6. BECAUSE it promotes digestion, keeping the hens healthy, and in a great measure prevents egg eating.

7. BECAUSE it costs no more than ordinary shell or grit.

8. BECAUSE it has the hearty endorsement of many of the most prominent fanciers and poultry raisers in the U. S. Men who know (Original letters on file.)

9. BECAUSE you are raising chickens for the results and not for the pleasure only of seeing them around or the work there is in it.

10. BECAUSE as a wide-awake poultry raiser you want better results and in **Crys-co** you will find them. Let us prove it to you.

Therefore buy a sack from your dealer to-day, but look for the trade-mark on a white sack, or write us.

Valuable booklet free.

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well carried; sickles a trifle long. Fourth and fifth were well placed.

Cockerels.—First, grand type; beautiful lines in back, body and tail; tail well spread and carried low; bad comb; nice head and lobes; snow white; shown in good condition; won shape, color and champion male. Second, unfinished; short in back; good comb and head; tail well spread but lacking in sickles and coverts.

Hens.—First, neat head and comb; good eye; grand back and tail; breast and body lines near perfection; plumage snowy white. Second, strong in head points; narrow in back; good legs and feet; shown in fine condition.

Pullets.—First, racy in type; graceful curves in all sections; neat head and comb; well spread tail; won shape, color and champion female. Second, close to first, losing in comb and shape of tail, and not shown in as good condition. Third, fourth and fifth good quality, well placed.

Rose Comb White Leghorns.

Cockerels.—First, neat, well finish; bad in comb; color good; won color special and champion male. Second, close to first. Others well placed. Fourth winning shape special.

Hens.—First and second both good; little choice between them; first winning color special and champion female.

Pullets.—First and second real classy; first winning shape special.

Single Comb Black Minorcas.

Cocks.—First, good type; well up on good legs; good body, back and tail; nice lobes; coarse in comb; color good all through. Second, good back and body shape; high in tail; good head and clean color. Others well placed.

Cockerels.—First, short in back and body; fine head and lobe; a trifle short in shanks; good color all through. Second, well up on legs; good back, body and head; unfinished in tail; carriage good. Third, fourth and fifth were in their proper places.

Hens.—First, grand body; good legs and feet; great length of back; low, well spread tail; nice comb and head a wonder in Minorca type and color; shape and color champion. Second, coarse in comb, losing in type and color to first.

Pullets.—First, nice head and comb; good length of back and body; little high in tail; clean color in all sections. Second, well up on legs; good comb and head; narrow in back; tail well carried.

Rose Comb Black Minorcas.

Cocks.—First, grand specimen; perfect back and tail; great length of body; up on good legs and feet; good comb, head and lobes, with beautiful color in all sections. Second, good body and back; tail well carried; trifle short in legs; bad comb; clean color in plumage but losing in eye-color. Third, well up on legs; good length of back and body; unfinished. Fourth and fifth, good birds well placed.

Cockerels.—First, grand type and carriage; well spread low tail; color and shape champion male. Second, smaller in size; excellent type; good head and comb; perfect lobe; great in body and tail; shape; color clean. Third, a good, unfinished bird; up on nice legs with good body and back shape. Fourth, great carriage; unfinished; a real comer. Fifth, young, undeveloped; good lobes; bad comb; clean color.

Pullets.—First, excellent type and carriage; good body, back and tail; beautiful in color. Second, good in head points; nice back and body, losing in finish to first.

Hens.—First, grand type; nice legs and feet; fine head and comb; won shape, color and champion female. Second, coarse in head and comb, losing in type and color to first. Others good, classy hens well placed.

Mottled Anconas.

A small class with plenty of quality. First pullet a beauty. First hen good in type and evenness of color.

Silver Campines.

A small class with no exceptional quality excepting first hen and first pullet, the latter showing good type with clean-cut, snappy color.

Buff Orpingtons.

Cocks.—First, large, vigorous bird; good head and comb; great length and depth of body; well balanced on good strong legs; slightly pinched in tail and a little high in breast; even shade of golden buff color in all sections, with strong undercolor throughout; color special, champion male. Second, good back and body; short, strong shanks; bad comb; unfinished in tail; a shade too strong in surface color in all sections; under color good; a grand good bird when finished. Third, great length and depth of body, good comb and head points; short, strong shanks; breast carried too high; clean buff color in all sections with strong undercolor. Fourth, grand type; great body and legs; good head and comb; color about two shades darker than standard, running dark on wing bows and in tail; lost on color. Fifth, good back and body; short, strong shanks, bad head and tail; good shade of color, but uneven on surface; strong underneath.

Cockerels.—First, great in length and depth of body; fine, broad back and tail; slightly up in breast; bad comb; strong eye; one shade of golden buff color all through, with strong undercolor. Second, grand type; broad back and saddle; broad, well rounded breast; short shanks and great depth of body; comb and head good; color about two shades stronger than standard, even all through; undercolor good; shape special. Third, good type; a trifle up on legs; good back, tail and body; bad comb; shade strong in color; losing in color of hackle and tail. Fourth, good length and depth of body; nice back; short shanks; bad comb; losing in color of wings. Fifth, good head; back and body even buff color; strong underneath; losing in finish.

Hens.—First, very large; good type; short shanks; great length and depth; well spread tail; nice head and comb; shade strong in surface; undercolor good. Second, good head, back and body; fine length and depth; short, strong shanks; even golden buff surface color; strong under, losing in color of wings and tail. Third, coarse in comb; great in breast shape; deep in body; very short on shanks; uneven in surface, good in under color. Fourth, good, even buff color, losing in type and finish. Fifth, good length; broad and deep; good breast; slight cushion on back and losing in shape of tail.

Pullets.—First, grand in length and depth of body; perfect back and broad, well rounded breast; tail well spread and well carried; color a shade stronger than standard, but even in all sections, with

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grind your own oats, corn, peas, dry bone, oyster shells, nut shells, dry stale bread, etc., for poultry feed on a GREAT BIG HAND GRINDER THAT NOW COSTS ONLY $4.00

You need a grinder if you raise poultry. Thousands are used all over the world. Capacity 1 to 2 bu. per hr. Shipping weight 40 lbs.

A child can operate it.

We also build SAMSON windmills and power feed mills. Send for free catalogs, stating what interests you.

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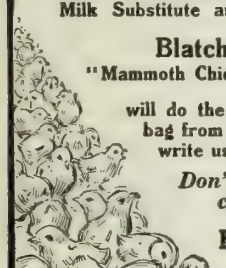
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Feed your chicks nutritious Milk Substitute and save them.

Blatchford's "Mammoth Chick" Milk Mash

will do the work. Try a bag from your dealer or write us.

Don't take chick chances



Blatchford's Calf Meal Factory

Waukegan, Illinois



LEG BANDS

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Which hens are laying? Mark 'em with leg bands and you'll *know*. Sell the non-producers.

Two and three year old hens are a dead loss for laying purposes. Leg bands tell you when to sell off surplus stock.

Invest a few cents in leg bands; you'll get dollars in egg profits.

Get Guaranteed Leg Bands for Your Hens

Order now direct—money back if not satisfied. Smith Sealed. Prices: 12, 30c; 25, 50c; 60, $1.00; 100, $1.50; 500, $6.50; 1,000, $12.50; postpaid. Leader Adjustable. Prices postpaid: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, $1.50; 500, $2.75; 1,000, $5.25. Climax. Prices: 12, 15c; 25, 30c; 50, 45c; 100, 75c; 500, $3.25; 1,000, $6. Also Open Pigeon and Open Chick Bands, fit any size pigeon or small chick. Prices: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 500, $2.75; 1,000, $5.25.

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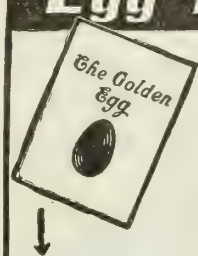
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Double Your Egg Yield!



Mr. Poultryman: You want more eggs from your hens. We want to help you. That's the reason we are publishing *"The Golden Egg"*—*to help you.*

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This book is brimful of information of vital importance to poultrymen.

Feed your hens right—you'll average *200 eggs a year.* *"The Golden Egg"* tells exactly what and how to feed them. Fresh cut bone, prepared in a Humphrey Bone Cutter, makes bone, muscle, feathers and *eggs.* Feed your hens *The Humphrey Way.* Thousands of farmers have tried it out. They've found it means big profits for them.

Just put your name on a post card and request us to send *"The Golden Egg."* Then you've taken the first step on the road to doubling your egg profits. Write *to-day.*



THE HUMPHREY GREEN BONE and VEGETABLE CUTTER

will save half your feed bills and double egg yield. Guaranteed to cut more bone, in less time, with less labor, than any other. Send for Special Trial Offer and handsome catalogue.

HUMPHREY, White St. Factory, Joliet, Ills.

good undercolor; shape and champion female. Second, good length; broad, deep body; golden buff color throughout, with fine under; wing and tail good; color special. Third, fine head, breast and body; pinched in tail, losing in surface color, but good underneath. Fourth, large, deep, massive; strong undercolor, losing on surface color and tail. Fifth, good length and depth; head and comb good; color too strong, losing in shape and color of tail.

Black Orpingtons.

Cocks—First, broad and deep in body; massive; good breast and shanks; comb slightly frosted; good clean color; shape; and champion male; second, similar in type to first, but smaller; good comb and head, losing in size and tail shape; third and fourth well placed.

Cockerels—First, second and third close together, good class, well placed.

Hens—First, large, massive type, short shanks, good color; second and third were close contenders.

Pullets—First, great length and depth, good legs and feet, clean color, nice head and comb; second and third losing on type and finish.

White Orpingtons.

Cocks—First, vigorous, massive bird, short in body and keel, bad comb, good back and easy winner; second, good back and body, short in tail and bad comb; third, losing in type and color to first and second.

Cockerels—First, large, broad, deep, good back and body, short, strong shanks, coarse comb, shown in poor condition; second, good length of back and body, deficient in breast shape, good head and comb, losing in type and finish; third and fourth well placed.

Hens—First, good Orpington type, body broad and deep, short shanks, good comb and head, strong in eye, won shape and color champion female; second, good head and comb, snow white in plumage, losing in type to first.

Pullets—First, great in type and finish, evenly balanced on good strong shanks, grand back and tail, good head, comb and eye, fine color; second, losing somewhat in type in all sections to first; third and fourth good pullets but outclassed.

The Bantam exhibit, although small, was chock full of quality, Klingbeil Bros., Petersburg, Ill.; Mrs. A. T. Franz, Jacksonville; Chas. A. Kuhl, Astoria, and Geo. H. Johns, of Ogelsby, being the principal winners.

The Turkey and water fowl classes were very good and strong, rare quality showing all down the line. Bronze Turkeys were a splendid class, Jas. S. Miller & Sons winning most of the awards. The Pigeon exhibit was one of the attractions of the show, as was the exhibit of dressed poultry and eggs.

Canton, Illinois, Show Ranks With Best in the State.

The poultry exhibit which closed at Canton, Ill., January 3 was one of the most modern shows it has been our pleasure to visit. About six hundred land and water fowls were on exhibition and represented good quality all through. Classes were provided for old and young pens in Barred Rocks and Buff varieties, and competition was strong in these classes. Buff Orpingtons were the leading class, with competition keen enough to make it interesting to all exhibitors. White Wyandottes were exceptionally strong; many of the entries in this class could have given a good account of themselves in a much larger show. White and Black Orpingtons were both good and brim full of quality. White Rocks, although a small class, had quality to win any place. Barred Rocks were strong in both the cockerel and pullet bred classes, many of them showing the quality produced only by careful mating and breeding. The Rhode Island Red classes showed plenty of quality, and as competition is always lively in the Red alley there was no lack of interest there. White Leghorns were a good class, and the Bantam and pigeon exhibits were greatly admired. The exhibits were cooped in Kiepper collapsible coops and made a very neat and attractive appearance.—J. C. Johnston.

Sussex Club Formed.

At the recent Buffalo Show, held during Thanksgiving week, a specialty poultry club was formed to promote the Sussex fowl. Dr. E. K. Conrad of Hackensack, N. J., was elected president and A. A. Carver of Seville, Ohio, secretary. For further information address Secretary, Sussex Club of America, Seville, Ohio. Annual dues are $1.00.

The fifteenth annual exhibit of the Elgin Poultry Association, which closed January 11, 1914, was the most successful exhibit, both in number and quality, ever held in the history of the association. Seventeen hundred head of land and water fowls were on exhibition. The hall was elaborately decorated with flags, bunting and evergreens. The cooping was very neat and attractively arranged. In the center of the hall were cooped in a large wire enclosure a number of different varieties of turkeys, ducks, geese, poultry, pheasants, pigeons, etc., including some rare specimens. Barred and Columbian Rocks, White and Buff Wyandottes, Rose and Single Comb Reds, Single Comb Brown and Single Comb White Leghorns, Black, Buff and White Orpingtons and Mottled Anconas, were the leading classes and some splendid quality was exhibited in all of them, the Single Comb White Leghorn class being exceptionally strong. The show was loyally supported by the press and public of Elgin, and the receipts more than satisfied the highest ambitions of the association. Plans are already under development for the sixteenth annual exhibit, to be held at Elgin, January 2-8, 1915, and the management promises to make it even more successful than the one just closed. A winning at Elgin in the quality displayed there is worth going after. It behooves you to keep Elgin in mind when making up your list of shows for next season.—J. C. Johnston.

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from chickens and eggs in the San Joaquin Valley, in California. Favorable climate, easily grown food and high prices for your product is the profit-making combination that works to your benefit.

The opportunity is so good, and the need for eggs and chickens so great, that we have prepared this special book for free distribution.

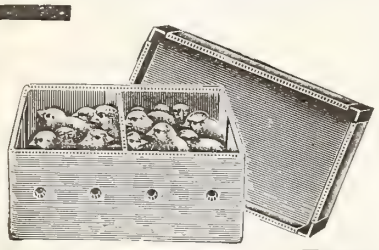
This book tells of the profits that others have made and how they did it. It describes the country and tells what you can do.

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After you have read it, I will be glad to have you write me and I'll give you such additional information as you desire.

We have another book about "Dairying," and I'll send that free, too, if you wish.

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Carries Day Old Chicks Safely at a Saving

Made, as it is, of corrugated paper, with the smooth surface and shock absorbing feature this paper possesses—

The Sefton Live Chick Box

insures absolute protection to the soft, downy creatures. Heat and cold cannot penetrate the dead air cells formed by the corrugations in the paper. Weighs enough less to save its cost in reduced transportation charges over that of a wooden box.

Made in Three Sizes: 25 Chick Capacity, 50 " ", 100 " "

Sample sent prepaid upon receipt of 25 cents. Write for our Poultry Box Booklet and price list.

Makers of
Eyrie Egg Box
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Try Crisp-As-Ice Lettuce



This is the most beautiful Lettuce known, leaves are so tender and brittle as to suggest its name. It cannot be over-estimated or over-praised; for use early in spring or summer, or late in fall.

OUR OFFER. We will mail any reader of this paper 1 packet Crisp-As-Ice Lettuce in a COUPON ENVELOPE if 2c stamp is enclosed. When this COUPON ENVELOPE is returned you may select one packet of seed FREE — any kind offered in our SEED BOOK. Our Big Seed and Plant Book for 1914, offering the best Seeds and Plants at Bargain Prices will be mailed FREE to all.

MILLS SEED HOUSE, Box 30, Rose Hill, N. Y.



POULTRY FENCE
60 INCHES HIGH 25½c. A ROD

Has 4½ inch mesh and line wires are graduated from 1½ inches at the bottom to 4¾ inches at the top.

60 inch Poultry and Stock Fence, 31c.

Same style fence as in cut but is made from heavier wire and has six inch mesh. Write for free Catalog.

COILED SPRING FENCE CO.
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CELLULOID LEG BANDS



Made in Seven Colors—Red, White, Blue, Pink, Amber, Black and Ruby. They mark your poultry so that you instantly know without handling, individual birds, one mating from another, and pullets from hens. Prices: 12 for 25c; 25 for 50c; 50 for 85c; 100 for $1.50.



Bands for Half-grown chicks in Five Colors—Red, Blue, Pink, Amber and Black. Prices: 12 for 25c; 25 for 40c; 50 for 75c; 100 for $1.25



Baby chick bands in Six Colors—Red, Blue, White, Amber Pink and Black. Prices: 12 for 20c; 25 for 35c; 50 for 60c; 100 for $1.00. Address all orders to

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CAPON TOOLS



CAPONS bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use

PILLING CAPONIZING SETS

Postpaid $2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make

Poultry Marker 25c. Gape Worm Extractor 25c
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RANGE-RAISED LAYING-LEGHORNS

Superior as layers and for exhibition.

Yesterlaid S. C. W. Leghorn Pullets lay at 4 1-2 months. Bought by 17 State Experiment Stations. Stock, hatching eggs, and baby chix supplied in any quantity. Prices very reasonable. YESTERLAID Methods are bringing success to many poultry raisers. Write for details and prices.

Yesterlaid Egg Farms Co., Dept. 5, Pacific, Mo.

A Winning Poultry Combination.

In the short space of nine years, F. A. Tecktonius, the Buff Leghorn breeding expert of Racine, Wis., has developed a strain of Single and Rose Comb Buff Leghorns that are the wonder and admiration of the entire poultry world. With practically no previous experience in poultry breeding, Mr. Tecktonius has, in this comparatively brief time, put himself in the very front rank as a poultry man. This remarkable feat has been accomplished through scientific breeding methods, together with application of the same business skill and ability as displayed in the building up of his extensive manufacturing interests, otherwise.

Mr. Tecktonius has achieved the unique distinction of producing, along strictly scientific, legitimate breeding lines, a most remarkable combination fowl. One that, on the one hand, has demonstrated itself a consistent and persistent winner of honors in the big exhibitions throughout the country—where "recognition" means breeding reputation and success; on the other hand, proving itself, just as consistently and persistently, an "egg machine" of wonderful capacity. That his accomplishments have not been merely a "flash in the pan" is conclusively proven by his long and unbroken record of winnings, in the great exhibition arenas, as well as in National laying contests, where his success has been as marked and gratifying as in the showroom.

The "Tecktonius Strain" of Buff Leghorns is to be found in every nook and corner of the U. S. and Canada; extending, as well, into remote parts of foreign countries, even as far as New Zealand.

By reason of the detailed management of his extensive and growing manufacturing and poultry interests proving a heavy tax upon his time and energy, Mr. Tecktonius a few months ago secured the co-operation (upon a partnership basis) in his poultry business, of Mr. B. C. Reed. Mr. Reed is known, far and wide, as a S. C. Rhode Island Red breeding genius, as well as one of the country's most scientific and successful poultry experts. Therefore, in placing the breeding management of the "Tecktonius Strain" of Buff Leghorns in such expert and able hands, means a "ten strike" in poultrydom, and assures even greater success in the future than in the past.

With the complete consolidation of the poultry interests of these two past-masters in scientific poultry culture, from now on their skill and energy will be directed toward showing the poultry industry that the Tecktonius-Reed Strains of Buffs and Reds are the greatest winners for poultrymen the poultry world has ever seen. Mr. Tecktonius has the reputation of backing up every claim made for his wonderful strain of Buffs, and this reputation will be strictly maintained in relation to the Reed Strain of Reds.

In order, therefore, to prove that their claims of the outcome of seven years scientific breeding of this strain of one of America's most popular birds are entirely justified, they have mated six pens of the "Reed Strain" S. C. Rhode Island Reds, these having been selected from the cream of 565 birds. These pens comprise two cocks, four cockerels, 20 hens and 40 pullets. Each one is a marvel of breeding—each one marked with exquisite, rich, even, red color, and each one absolutely without contrast between hackle, back and sickle feathers. The tail and wing-markings of this stock are as near perfection as breeding skill can make them. The types, in males and females, in these six pen matings, are in keeping with the highest standard requirements, and are, also, well over standard breeding weight.

We bespeak for this team of able, ambitious, poultry experts, success in the future even more pronounced than achieved, individually, in the past. Write them for prices. Address Tecktonius-Reed Farm, Route 7, Racine, Wis.

J. A. Barnes.

It gives me pleasure to call your attention to the advertisement of J. A. Barnes and his Silver Wyandottes and White Plymouth Rocks, which appears in this issue. He has been specializing in Silver Wyandottes for a number of years and in that time has bred and exhibited some very high class specimens, his cock bird, Silver King, I consider one of the best I have ever handled.

Some of Mr. Barnes' winnings for this year were first cock, first and second hen, first pen and first and second pullet at Lincoln, Ill.; at Champaign, Ill., first cock, first hen, first pullet, first pen, cup for best pen Silver Wyandottes, champion male and champion female; at Decatur, Ill., first and second cock, first and fourth hen, first and third cockerel, first, second and third pullet, first pen, cup for best pen Silver Wyandottes and cup for best display in American class. Read his ad and then write for his price list. Address J. A. Barnes, R. F. D. 7, Decatur, Ill.—J. C. Johnston.

What's the Real Temperature?

When you take the downy chicks from the incubator you perhaps begin to count on the fine flock of mature fowls you'll have next fall. But hatching the chicks is really the easiest part. Raising the youngsters by artificial heat in brooders has often proved a rather hard problem because the heaters sometimes furnished too much or too little heat for the chicks.

If it's too hot in the brooder, your chicks suffer, smother and become weakened—if too cool they become chilled and crowd together in a heap, trampling and suffocating many. The survivors will be sure to contract colds and be subject to bowel trouble. However, if the temperature in the brooder is kept just right at all times, your chicks will be happy and healthy and grow to maturity in the pink of condition. But, if the brooder thermometer is inaccurate, how can you regulate the heat correctly? An accurate thermometer, then, is a very important factor in the successful rearing of chicks.

"Tycos" Thermometers are absolutely

STUEBE'S WHITE ORPINGTONS

"THE BEST IN THE WEST"

My birds have won in Chicago, Indianapolis, Illinois State Show, competing with the best breeders of the east and west. If you want stock or eggs from the **"best in the west,"** write me. Square deal and reasonable prices,

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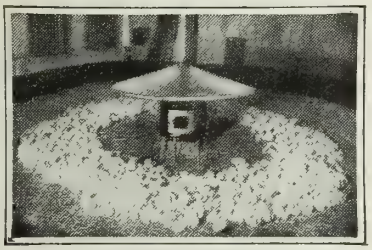
PINE RIDGE **BUFFALO, N. Y.**

PRIZE WINNING

Black Langshans	Houdans	Black Tailed White
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PETALUMA BROODER STOVE



NIGHT SCENE

Saves 90 per cent of the labor, and raises more and stronger chicks

The Modern Way of Brooding

Fresh Air and **Economy** combined. No crowding; no chilling; no overheating. Makes **Successful Brooding** possible. Write for free catalogue of this wonderful Brooder Stove.

Petaluma Brooder Stove Works

Hayward; Cal., and Dayton, Ohio

Mary Elizabeth Poultry Farm White Orpingtons

Have Won in FIVE of the Leading Shows This Season.

At the **Great COLISEUM SHOW, Chicago, 1st Hen and 4th Pullet on Three Entries.**

At Illinois State Fair.
1st pullet and 2d pen.

At Quincy, Ill.
1st cock; 1st, 2nd and 3rd cockerel; 1st and 3rd pullet; 1st and 3rd hen; 1st pen and Grand Champion pen of the entire show—2150 birds in competition.

At Peoria, Ill.
1st cockerel; 2nd cock; 3rd and 4th hens; 4th and 5th pullet.

At Alton, Ill.
1st cockerel; 1st pen; 2nd and 3rd cock; 2nd and 3rd hen. **Champion Male.**

Mary Elizabeth Poultry Farm, -:- Monticello, Ill.

"Licene" KILLS



One Application of LICENE will Positively Rid your Birds of Lice and Nits

APPLIED ONLY TWICE A YEAR

MR. E. B. THOMPSON, President of the American Poultry Association, says: "I have tried **Licene** with very best results; it is a most excellent preventative of lice and a rapid exterminator. **Licene** should have a great sale to poultrymen, who must appreciate its value after being tried.
E. B. THOMPSON, Amenia, New York."

LICENE HAS NO EQUAL FOR SCALY LEGS

Enough for 200 birds, postpaid 50c. Money refunded if not satisfactory
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accurate and dependable and have proved their worth during years of careful testing by the best incubator and brooder manufacturers as well as experienced poultrymen everywhere. They have saved the life of many chicks by giving an immediate warning of the slightest changes in temperature. "Tycos" Brooder Thermometers are made with great care. After filling, each one is "aged" and then "pointed" to ascertain its absolutely correct individual scale. A "Tycos" Thermometer does not leave the factory of the Taylor Instrument Companies, at Rochester, N. Y., unless it passes a final test of 100 per cent accuracy. All this care in manufacturing costs time and money, but it is absolutely essential to make a high grade thermometer.

When buying a brooder or incubator, insist on "Tycos" Thermometers and you will eliminate most of the causes of failure in hatching and rearing sturdy chicks. The Taylor Instrument Companies, Rochester, N. Y., have an instructive little booklet, "Thermometer Facts Worth Knowing," which will be mailed free to readers of this publication. We suggest that you write today for a copy of this booklet.

THE FAVORITE

LEG BANDS

With Raised Figures



Six Sizes

Made from Aluminum, strong, durable, smooth edges.

THE CAPITAL



Adjustable

PRICES, EITHER KIND:

12 for 15c. 25-25c. 50-40c. 100-65c.

CHAS. L. STILES,

232 N. 3rd. St. Columbus, Ohio

Choice Of INCUBATORS AND 13 PURE BRED COCKERELS FREE

TO WINNERS IN ANNUAL

HATCHING CONTEST

14 SURE WINNERS

Everyone who buys a new incubator this year should be sure to send their names to Successful Farming and enter the Annual Incubator Hatching Contest. Successful Farming will give to the person making best hatch a cash prize equal to amount paid for incubator by the person winning. Other winners will receive cockerels, choice of breeds. Fourteen prizes in all. It costs nothing to enter the contest. Just enter your name and later report your best hatch as directed. Use a postal and write for entry card and rules, right away—before you buy if possible. Remember it costs absolutely nothing. Address Incubator Contest Editor

SUCCESSFUL FARMING, DES MOINES, IOWA

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Write Postal For BROWN'S Bargain Book of FENCES

Let us *prove* big saving to you on highest quality Poultry and Garden Fencing ever made. Genuine Basic Open Hearth Wire. Heavily *Double* Galvanized by the Brown Special Process, and held together by a tie that *can't* slip. Brown's Fence doesn't rust or break—it doesn't sag or bag. It is always neat and trim. And our prices are even *lower* than *others* ask for cheap, flimsy *netting*. Get our book and see for yourself.

Sample Free Also

Test it any way you like. Brown's Poultry Fence has top wires No. 9½ gauge—intermediate wires in same big proportion. Bottom wires spaced only one inch apart—absolutely chicken tight—rabbit proof. Only one-half the posts needed—no top or bottom railing necessary. Why pay *more for other* fence that *can't compare* with *Brown quality*?

Save Big Money By Writing Postal NOW!

You'll be glad you wrote. You'll be surprised at Brown's High Quality and low prices. We sell only *direct from factory, freight prepaid anywhere, satisfaction absolutely guaranteed.* Don't buy a rod of any kind of fence till you read Brown's book. Write postal NOW.

Brown's Fence Bargain Book FREE

The Brown Fence & Wire Co. Dept. 3 Cleveland, Ohio



A Complete Poultry Plant for $25.

The "High Cost of Living," so much talked of these days, has a steady opponent in "Bob" Essex, judging by the low-cost offers he is making to poultry keepers in his new 1914 catalogue. Prices of material may go up, and they do, but that has not prevented him from keeping his selling prices down. A glance at his new catalogue makes one feel anxious to buy.

He has a splendid little new style colony house at $8.50. It's like giving it away. It seems to meet every requirement from a hen house complete with roosts to a brooder for newly hatched chicks. It is designed so that it can also be used for two separated pens for a couple of males for fitting them for show; or for two pairs, or two trios for special mating purposes. The front being equipped with both glass and cotton removable frames, backed with wire, makes it suitable for all weathers, winter or summer. It is hard to beat it for raising chicks with the aid of the Essex-Model



Improved 1914 Hover, and when its wire run is attached it is really a wonder of an all-round coop. There is a new $25 combination offered this year that is an extraordinary outfit. Many an incubator alone costs more than that, but here you get an Incubator, a Hover, a Colony House, with removable cotton and glass frames, a wire run with a wooden also a wire roof, and four removable cotton frames, a Food Hopper and Drink Fount, forming a complete poultry plant that gives anybody a good chance to start in the poultry business right at so little expense as to appear nearly impossible. How it is done we cannot say. The catalogue tells.

The "Baby" Mammoth 800 Egg Incubator has come to stay; and Bob is the man to introduce it. Many a poultry-keeper has wanted a Mammoth coal-heated Incubator, but—not too big—not too high-priced; and here it is for the first time. Eight pages of the catalogue are devoted to its illustrations and description. Three pages of Portable Poultry Houses give an idea of how good a house can be obtained for very little money. Some of these houses are "Sectional." That is, they can be added to any time by buying an additional section—starting off with one. The pictures show at a glance whether or not they suit your needs.

Following up this theory of giving advice he has put into his catalogue seven chapters: "A Beginning in Poultry Keeping," "How to Hatch and Raise Better Chicks," "How to Breed a Strain of Better Layers," "Health and Disease in Poultry," "The Year's Poultry Work—Month by Month," "America's Biggest Poultry Farm," and "The Truth About Poultry Keeping."

It would be a mistake to forget to mention the cover of Bob's New Book. It's a peach! Something new in poultry illustrations that will please the ladies who keep Poultry, and those who don't—not forgetting the man who has an eye for the female figure. Better write for it today. It doesn't cost you a cent even for postage. Tell Mr. Essex that you saw this in American Poultry Journal, and he'll send you one quick. By the way, the cover is in colors, and we want to say that the one color cut shown on this page does not do it justice. Address Robert Essex Incubator Company, Buffalo, N. Y., and mention American Poultry Journal.

"Chickens Will Come Home to Roost."

No more conspicuous illustration of the truth of this old saying has ever been noted than in the case of the first prize Single Comb Rhode Island Red cockerel at the last Madison Square Garden Show.

This wonderful bird is a pure Crowther "aristocrat." He was raised in Connecticut, first shown at the Rhode Island Red Club of America's National Meet at New Haven, winning first prize and many specials. He was sold at this show and was then entered at the "Garden," where he again proved to be in a class by himself, winning first prize, color special, and special for the best Rhode Island Red hatched in 1913. The owner offered the bird for sale. Several prominent breeders became interested, but Ira M. Crowther, Willoughby, Ohio, the originator of the famous "aristocrat" strain of Single Comb Rhode Island Reds purchased him, bringing him home to roost by the side of many of his relatives, cousins, aunts, uncles, grand-parents, great and great-great-grand-parents.

This cockerel is one of the grandest specimens of the strain that has ever been produced, and together with the grand first prize pen, shown by Mr. Crowther, making six "aristocrats" entered, every one participating in first prize honors at Madison Square Garden, where the greatest of the great specimens of all poultry are shown, proves beyond all question that there are no better Reds on earth than his "aristocrats."

We Expect It.

Why is it that a man can get you into the habit of looking forward to whatever he does, being done just right and yet a little different from anyone else? Well, that is the way our friend, E. B. Thompson, has us. He always



The General says:-

Eggs *are* eggs—when your hens don't lay. A warm chicken house encourages the hens.

Make the roof—and sides too—of

Certain-teed

ROOFING

—The label guarantees it for 15 years—the three biggest mills in the roofing industry are behind that label.

No roofing "tests" can give you that assurance.

Your dealer can furnish *Certain-teed* Roofing in rolls and shingles—made by the General Roofing Mfg. Co., *world's largest roofing manufacturers*, East St. Louis, Ill., Marseilles, Ill., York, Pa.

seemed to go a step farther, and that is just what he has done with his 1914 Egg Booklet. We knew he was publishing one, but when it arrived it was so neat and attractive and so different from anything ever published that right away before we looked at the inside, we knew it was from the Imperial Ringlet Farm.

This booklet tells the story of Thompson's Barred Plymouth Rocks; it tells you about his wonderful winnings (in short form), to give them all would take a large book. He tells you just why the "Imperial Ringlet Eggs" are the ones to buy and his argument is good. He tells you of the wonderful success his customers have had with eggs purchased of him, for the past thirty-four years.

It is a book that every Barred Rock breeder should have. Just drop a postal and you will receive a copy free. Address E. B. Thompson, Lock Box 510, Amenia, N. Y.

Keep Them Clean.

You may have blooded fowls or they may be of mixed breeds. But vermin show no preference. The mites, which are red when full of blood, harbor on the perches and in the filth during the day, but when the fowls go on the perch and the chicks to the brood coops at night, then the mites swarm out of their hiding places and each one fills itself with blood.

From this annoyance and weakness on account of the loss of blood, the fowls fail to fill the egg basket; their combs turn pale and dysentery takes place. Thousands of fowls are lost annually from this cause alone. But a good preventive is put up in the form of Dirk's Red Mite Killer. It keeps your fowls free from lice, good for scaly leg and if used 30 days before hatching season the chicks will be free from the dreaded head lice.

Satisfied users everywhere testify to its effective and lasting qualities. Write for prices; it is sold under a guarantee. Address M. E. Dirk, Dirk Block, North Baltimore, Ohio.

Mr. Rolla C. Lawry.

Mr. Lawry, the new second vice-president of the National Single Comb White Leghorn Club, well deserves the honor conferred upon him. No other man has done more to establish a reputation and market demand for the Single Comb White Leghorn.

Mr. Lawry was formerly instructor in



Poultry Husbandry at Cornell University; and for the last five years has been manager of the Yesterlaid Egg Farms at Pacific, Mo., where range raised Single Comb White Leghorns are produced by the thousands.

They Do Come Back.

It is with a great amount of pleasure that we call your attention in this issue to one of our old advertisers, a gentleman who left the chicken industry just ten years ago, after several years of successful breeding.

Somehow or other he couldn't stand it any longer and he has at last answered the "call of the fowl" and reappears, using the columns of the American Poultry Journal the same as he did ten years ago. The gentleman whom we refer to is C. S. Wetmore, of Lackawanna, N. Y.

With his White Wyandottes at the 1914 Buffalo show he won fourth and fifth pullet and second cockerel. We feel safe in saying that Mr. Wetmore will be heard from in the coming show season, for he has some very fine birds. He has a number of choice cockerels and pullets and will be pleased to quote you prices. Address C. S. Wetmore, Abbott Road, Lackawanna, N. Y.

A Nice Record.

You have to give it to the F. L. Poultry Farm for being in the "regular winner" class. They have had a mighty fine record for the season and carried away a number of ribbons.

Mr. Ober, the owner, makes a specialty of Rhode Island Reds (both combs), and his recent winnings are as follows: Greater Pittsburgh show with Single Comb, 1st hen, 1st pullet and shape and color special; at Grand Palace show, New York, with Rose Comb, 5th pullet; at Madison Square Garden show, New York, with S. C., 1st hen; at the McKeesport, Pa., show, with R. C., 1st and 2nd cock, 1st and 2d hen, 1st pullet, 1st and 3rd cockerel, 1st pen, best display, also shape and color specials; at Pittsburgh Exposition with S. C., 3rd cock, 1st and 8th hen, 8th pullet, 3rd old pen, and champion hen, and at the same show with R. C. birds he won 4th, 5th and 6th cock, 4th hen, 4th and 5th cockerel and 1st pen.

His mating pens include these various winners, so be sure to write him for list and prices. Address F. L. Ober, R. F. D. 1, Verona, Pa.

Feeding Poultry Mustard.

We are asked almost daily—Why feed mustard to hens? And our usual reply is that we believe that poultry mustard helps egg production, aids fertility and is of general benefit to the fowls.

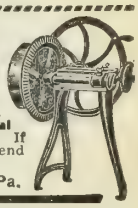
The problem is and has been to secure eggs and plenty of them and particularly from September to April, when prices are high and when eggs are wanted for hatching. Our own experience is that mustard stimulates the fowls and insures the best possible production of eggs and without leaving any after effects. Hens, after going through the moult, which is a severe strain, when toning is helpful and assures results.

In England the breeders have for many years been feeding mustard and we believe this is the secret of their success, for they



JEFFERSON'S WHITE RUNNERS
America's Best
Write for Price List
The Jefferson Farms
ALBANY, GA.

$5 AND UP
NO MONEY IN ADVANCE
The "Dandy" is the easiest operated, best built, fastest cutting green bone cutter made. Sold on 15 days' free trial with a broad guarantee. If it suits keep it, if not, send it back. Free catalog.
Stratton Mfg. Co., Box 17, Erie, Pa.



Parker's Economy Brooder



Solves the brooding question once and for all. This large 28-inch all-steel brooder contains exclusive features found in no other. Make no mistake. Write for our proposition at once. Mf'd by W. T. PARKER MFG. CO.
17 W. Washington Street Est. 1884 SPRINGFIELD, OHIO

CORNELL GASOLINE
BROODER HEATER
Improved 1914
Equal to five Kerosene Heaters
Recommended by the New York State College of Agriculture



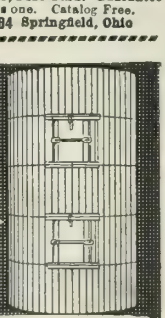
PRICE COMPLETE $10.90
CAPACITY 250 CHICKS
Cares for 250 Chicks
Needs little attention
No lamps to trim
No ashes, dirt or soot
Absolutely safe
Perfect ventilation
Send for Free Catalog
TREMAN, KING & CO.
Dept. 306, Ithaca, N.Y.
Man'f'rs of Poultry House Appliances

A WOMAN FLORIST
6 Roses Hardy Everblooming On their own roots. ALL WILL BLOOM THIS SUMMER 25c
Sent to any address post-paid; guaranteed to reach you in good growing condition.
GEM ROSE COLLECTION
Etoile de France, Dazzling Crimson
Blumenschmidt, Yellow and Pink
Etoile de Lyon, Golden Yellow
Bessie Brown, Delicate Blush
White Bougere, Snow Wh.
Mamie, Grandest Pink
SPECIAL BARGAINS
6 Carnations, the "Divine Flower," all colors, 25c.
6 Prize-Winning Chrysanthemums, - - 25c.
6 Beautiful Coleus - - - - - 25c.
3 Flowering Cannas - - - - 25c.
3 Choice Double Dahlias, - - - 25c.
3 Choice Hardy Iris, - - - - 25c.
10 Lovely Gladioli, - - - - - 25c.
10 Superb Pansy Plants, - - - 25c.
15 Pkts. Flower Seeds, all different, 25c.



Any Five Collections for One Dollar, Post-Paid. Guarantee satisfaction. Once a customer, always one. Catalog Free.
MISS ELLA V. BAINES, Box 184 Springfield, Ohio

The Chicken Silo



(Copyrighted)
Provides green feed for your hens every day in the year. Increases egg production 3-fold. Insures healthy flocks. Makes its cost twice over every season.
The Chicken Silo holds from 3 to 9 tons of silage. The only chicken silo on the market.
Made of best tongued and grooved Washington Fir. 2-inch thickness and steel hoops.
Corn, kaffir corn, clover, alfalfa, cowpeas and other crops make ideal chicken silage.
Prices: 3 ton, $25; 5 ton, $35; 9 ton, $45. Shipped knocked down, f.o.b. factory. Can be put together in an hour's time. Write today. Box 100.
Woods Bros. Silo & Manufacturing Co.
Lincoln, Nebraska.
Branch Factories: Lansing, Mich., and East St. Louis, Ill.

THE KIND YOU WANT
Birds that are bred right, that look right, that are right.
Wetmore's White Wyandottes
were ribbon winners at 1913 *Buffalo Show* winning 1st and 3rd Pullet, 2nd Pen and 5th Cockerel in strong competition. White Wyandottes are superior table fowl and wonderful layers. If you want choice birds to improve your strain or foundation stock, I can supply you.
C. S. WETMORE
ABBOTT ROAD LACKAWANNA, N.Y.

do grow quality there with size and quick maturing birds, all of which is of utmost importance from the viewpoint of the fancier or the practical breeder.

Mustard should be fed in the mash either wet or dry and regularly for best results. In England, when actual tests were made, birds of the same variety fed with mustard greatly outlaid all others and the great egg farms of this country are now liberal users of it. Personally I can recommend it and do and with it French's Poultry Mustard, which is the "original" poultry mustard and if the breeder will insist upon this brand results highly satisfactory will follow. Write the R. T. French Co., Rochester, N. Y., for their booklet and particulars.—H. P. Schwab.

The Guide to Success.

Many readers of the A. P. J. will be glad to learn that the 1914 Complete Catalogue and Poultryman's Guide, published annually by Cyphers Incubator Company, Buffalo, N. Y., is now being mailed; also that the first edition copy will be mailed free by the Cyphers people, postpaid, to any of our readers who will write for it and mention the A. P. J.

The Cyphers Company's 1914 book contains 244 pages, 7¼ by 9¾ inches in size, and each copy weighs nearly one pound. It is splendidly illustrated from cover to cover, including hundreds of pictures of fowls, down-to-date poultry plant views and recent portraits of foremost American and Canadian poultry breeders.

The title of the 1914 Cyphers Company book is "Poultry Keeping In All Branches," and there are eight unusually valuable chapters which fully justify this name. They are as follows: Best Methods of Back-Yard Poultry Keeping. Small Poultry Plants and How To Manage. Profitable Poultry Keeping on Farms. Poultry Keeping as a Regular Business. Advantages of Standard Poultry Breeding. Production of Eggs and Poultry For Market. Methods of Marketing to Secure Top Prices. Special Branches of The Poultry Industry.

These eight chapters consist of reliable information and practical suggestions on the most popular and profitable methods of poultry and egg production, either on a small or large scale. The intention has been to cover all legitimate branches of the poultry business and to give helpful data and reliable advice relating thereto. These chapters are such as you would find in any first-class poultry book and not only give the reader a correct idea of what can be done in these different branches of the poultry business, but they also contain many suggestions that will be found of practical value in your daily operations.

As heretofore, this 1914 Annual Poultryman's Guide presents an "Open Letter," by Grant M. Curtis, President of Cyphers Incubator Company, wherein he tells about the company's big fire that occurred August 16th, 1912, and explains how this critical situation was overcome, the result being that the Cyphers Company is now in a new business "home" that is the largest institution of the kind in the world. Numerous pictures are shown of the new plant in full operation. Mr. Curtis in his 1914 Open



Letter also points out the great benefit that the United States Parcel Post is proving to be to all poultry and egg producers who have taken advantage of it. To obtain a free copy write to Cyphers Incubator Company, Buffalo, N. Y., or address nearest branch store, as follows, being sure to mention the A. P. J.: 12-14 Canal Street, Boston, Mass.; 41 Barclay Street, New York, N. Y.; 329-331 Plymouth Court, Chicago, Ill.; 317-319 Southwest Boulevard, Kansas City, Mo.; 2127 Broadway, Oakland, Cal.; 121 Finsbury Pavement, London, England.

One of the Regulars.

When it comes to winning blue ribbons regular, you have to take your hat off to H. A. Keister and his Rose Comb Black Minorcas. He has been a regular Chicago winner ever since 1908 and this year was no exception. He is also a regular winner at Boston and also Springfield, Ill., besides several smaller shows. In fact, whenever ribbons are given out look close and you will find that the "Keister Strain" always come in for a good share of them.

If our memory serves us correct Mr. Keister has taken first cockerel at a number of the Chicago Coliseum shows and the late one was no exception; he also won first pullet, second hen and fifth cock, a fine record—four prizes and only five entries. Mr. Keister has a very fine farm of birds and if you want Black Minorcas it will be to your interest to write him for prices. Address H. A. Keister, Bangor, Mich.

A Square Deal.

Treat others as you would have them treat you, that is the motto and the rule under which J. Quincy Dawson conducts his famous poultry farm. For 23 years he has been in the poultry industry and he surely must live up to his motto or he would not have been in the business so long. Mr. Dawson is a consistent winner at all the leading shows and fairs. He breeds Single Comb Buff Leghorns and Columbian Plymouth Rocks. It will pay you to write and get his price list. Address J. Quincy Dawson, Dept. 4., Coshocton, Ohio.

PALACE NEW YORK SHOW WINNING
Barred Plymouth Rocks

In this great class of 213 quality birds I win First Prize Cockerel and Color Male Special. First Prize Pullet and Color Female Special, and Second Prize Exhibition Pen on four entries made. For color and clean cut barring these birds were the class of the exhibit.

STOCK FOR SALE—EGGS FOR HATCHING

Have mated my winners and others of this same line from which I win. Sell eggs at $5.00 per setting of 13, $15.00 for 50. Satisfaction assured.

J. D. HARCOMBE -:- Grand View-on-Hudson, N. Y.

WINNERS AT THE PRINCIPAL
Big Laying Competitions

We hold the record for the greatest number of eggs laid in one year by a pen of White Wyandottes at any International Egg Laying Competition ever held. Hens in our breeding pens with over 200 egg records certified under state supervision.

Our Mating List is Free, we will be pleased to send it.

BEULAH FARM

McLEOD BROS. Box A. Stoney Creek, Ontario

CHICKS That Will Make You **$$$$$**

We have them from UTILITY and EXHIBITING stock.

WHITE LEGHORNS AND BARRED PLYMOUTH ROCKS OUR SPECIALTY

	Per 25	Per 50	Per 100
S. C. White Leghorns	$2.50	$5.00	$10.00
S. C. Brown Leghorns	2.25	4.50	9.00
S. C. B. Plymouth Rocks	2.75	5.50	11.00
R. C. Rhode Island Reds	3.00	6.00	12.00
Broiler Chicks	2.00	4.00	8.00

Poultry House and Brooder Heaters

That will keep your stock HEATHY and make you MONEY.
We ship every week. Get our Free Catalog.

A "Bird" in the Hand is Worth Two in the "Shell."

Twentieth Century Hatchery
BOX 73, CHATFIELD, OHIO

Ohio Chicks in Montana.

The above picture is from a photograph submitted by Herbert H. Knapp, Secretary and General Manager of the Co-Operative Breeding and Hatching Co., Tiro, Ohio. The chicks are owned by Mrs. Anna Jackson, Sumatra, Mont. Mrs. Jackson received a shipment of sixty-day-old S. C. White Leghorn chicks from the Company in June. The photograph was taken in September and shows fifty nearly matured chicks.

This is certainly positive proof that this Company is producing and shipping "BET'TER HATCHED" CHICKS. Mr. Knapp states that their success lies in their better built equipment, a thorough knowledge of the business and the fact that every chick is hatched in pure air, otherwise they could not travel 2,000 miles and show the wonderful results in the above photograph.



While this Company is hatching and shipping day-old chicks from ten of the leading varieties, they are making a specialty of S. C. White Leghorns in five hundred and one hundred lots, to be reared with coal and oil brooder stoves. For a free catalog address The Co-Operative Breeding and Hatching Co., Box A, Tiro, Ohio.

For Thirty Years.

F. M. Clemens, of Mechanicsburg, Ohio, has been a breeder of pure bred fowls for the last thirty years. At show time you always find him and his Columbian Plymouth Rocks carrying away a number of blue ribbons. This year on account of illness Mr. Clemens was unable to make but one show, the Ohio State at Columbus. Entering one bird in each class he made the following wonderful record: 1st cock, 1st hen, 1st cockerel, 1st pullet, 1st old pen and 1st young pen. A good man with good birds. We take pleasure in calling your attention to his advertisement in this issue, read the ad and write for his prices. Address F. M. Clemens, Mechanicsburg, Ohio.

A Heavy Winner.

Down in Staunton, Ill., is the home of Chas. C. F. Fritz, a breeder of a strain of Barred Plymouth Rocks, the quality of which is fully attested by their winnings the past season. Entered in the keenest of competition he has never failed to come out a victor, his list of winnings include Quincy, Ill.; Alton, Ill.; Indianapolis and Illinois State Show. At the latter he made a grand winning and this is the strongest class of Barred Rocks ever seen at the state show. He has several head of extra quality stock for sale, besides eggs from special mated pens. Write to him for prices. Address C. F. Fritz, Staunton, Ill.—J. C. Johnston.

Nineteen Years a Specialist.

For the past 19 years Charles G. Pape, of Fort Wayne, Ind., has devoted his time and attention to the perfecting of "Pape Strain" S. C. Black Minorcas. We are just in receipt of a very pretty two color mating list which he has issued, telling just how and why his birds are perfection. It is illustrated with photos from life, unretouched. Tells all about his stock, day-old chicks and his guarantee on eggs. All in all it is a very complete catalog and if you are at all interested in Single Comb Black Minorcas it will pay you to write him, for if anyone knows Black Minorcas he is the man. Address Charles G. Pape, 1617 N. Cass St., Fort Wayne, Ind.

Single Comb Reds.

Mrs. Jennie Warren, owner of the Bell-Vista Farm, Mentor, Ohio, took a trip to the Cleveland January 7th show, entered her Reds in a class of 250 birds, and captured 3rd cock.

It was Reds purchased of Mrs. Warren that took 5th pullet at Madison Square Garden and 2nd pullet at Grand Palace Show. In fact, her birds can always be accounted among the winners. She has a strictly high class farm and devotes her time and attention to perfecting her Single Comb Reds. Her mating list is just from the press. We note that the prices are very reasonable, so be sure to write to her. Address Bell-Vista Farm, Mentor, Ohio.

1914 Cleveland Winner.

First cockerel, first pen, first and third pullet and second and third hen was the record of our friend. R. D. Owen, at the recent Cleveland show.

Mr. Owen breeds Silver Laced Wyandottes and that he breeds good ones is shown by this winning. He is a fine gentleman to deal with and I can assure you that any orders placed with him will receive careful and prompt attention. Before you buy any eggs or stock write for his prices. Address R. D. Owen, Creston, Ohio. H. H. Coburn.

New Mating List.

The mating list of John S. Martin, of Port Dover, Ont., Canada, has just reached our desk and we hastened to congratulate him upon the very artistic manner in which it is gotten up. There are fifteen half-tone pictures showing some of his best birds, also a few views of his big plant. It gives a list of his big winnings, several pages of valuable advice on how to raise White Wyandottes, his several pens, prices, and he reproduces several letters from his many satisfied customers. If you are in the market for White Wyandottes, it will pay you to write for this catalog. Address John S. Martin, Port Dover, Ont., Canada.

Importance of Properly Raised Baby Chicks.

It is sometimes said that any kind of incubator will hatch out a baby chick, but it requires the most careful attention as well as the best appliances to brood a baby chick after it is hatched.

While incubation is important, and a well hatched chick is easier to raise than a poor one, yet the best hatched chick cannot be grown to the best advantage with poor brooding equipment.

First, the Hover must be as nearly like nature as possible. This means that there must be no corners, the Hover must always be warm, it must be easily gotten into and easily gotten out of, and the air must be pure and fresh. When the chick wants fresh air, it can go out, and when it wants warmth it can go into the Hover.

Another important factor of the successful brooder of Hover is that it must be readily accessible. If it is necessary to get down on the floor to attend to the lamp, or igf nails must be driven or torn up to move the Hover, the attention will be slight and the chicks will be left in a wet and dirty Hover.

The little details are what count in the raising of baby chicks. This means that they must be given attention every day. Cumbersome, complicated brooders are anuisance, and the attention given them is little and not sufficient.

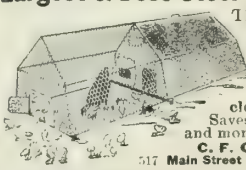
Experience has proven that a round Hover with central heat, can be more easily attended to than any other, as the circular hovering capacity prevents crowding and the hover can be easily moved.

The International Sanitary Hover, manufactured by the Hover Incubator Mfg. Co., Box 511, Browns Mills, N. J., has proven on many of the largest poultry farms, to be the most successful of all the hovering devices.

It only weighs 30 pounds, and to set it up you have only to set it down; easily moved; no nails to drive or platforms to build; made of galvanized iron; fireproof. It will mother 100 chicks easily. Lowers death rate of chicks by great numbers. For sale at all dealers.

WE PAY $80 A MONTH SALARY
and furnish rig and all expenses to introduce our guaranteed poultry and stock powders. Address BIGLER COMPANY, X309 SPRINGFIELD, ILLINOIS

Largest & Best Steel Brooder Made



Thousands of satisfied customers. 10 sq. ft. floorspace in each brooder and yard. Perfect ventilation light weight, dry, strong, easily cleaned and kept clean. Saves time, trouble, chicks and money. *Write for circular.*
C. F. GRIMM MFG. CO.
517 Main Street ATCHISON, KANSAS



WHITEWASHING
and disinfecting with the new
"Kant-Klog" Sprayer
gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free.
Rochester Spray Pump Co.,
210 Broadway, Rochester, N. Y.

HIGHEST SCORE EVER WON
100 Envelopes, 3⅝x6½ inches, an extra strong, thick, smooth, slick, white writing face, and **120** Letterheads, 8½x11 inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only $1.00. Express charges paid by me. Better printing for the price was never done. No order less than $1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.
Address, J. R. HUDSON, Hardin Springs, Ky.
I have seen samples of Mr. Hudson's printing. It is very nice; he is perfectly honest.—EDITOR.



Conkey's Starting Food *for* Baby Chicks
Is a ready prepared food that supplies the right elements for proper nourishment and vigor. Its use
Makes Chicks Sturdy
Prepares and strengthens them for regular ration. Saves trouble and worry.
Lessens Leg Weakness
Guaranteed to satisfy or money back. 25 lbs. $1.65, 50 lbs. $3, 100 lbs. $5.75. Small sizes 10c, 25c, 50c and $1.
Conkey's Lice Powder
Dusted on sitting hens rids them of lice and keeps chicks free from these disease breeding pests. 10c, 25c, 50c and $1 pkgs.
The G. E. Conkey Co., Cleveland, O.

EG-O Milk Albumen.

While a number of poultry-men and people who raise poultry may have solved the question how to get hens to lay eggs and to develop the hen so she will lay the full normal size egg, which it is possible for her to lay, the greatest number of people are still asking these questions and are looking anxiously in every direction for the answer.

Some localities possess unusual facilities for helping out the poultry man, they may be near a milk station and get lots of skim milk cheap or they may be near a meat distributing center and be able to get scrap in sweet nice condition, but there are thousands and thousands of poultry dealers big and little scattered all over the United States who are not situated this way.

One Statistician has figured that if every hen in the United States should but lay one more egg per year the annual increase would be thirty million dozen eggs—this gives some idea of the number of hens in the United States and the number of people interested in the industry and all are eager to get the extra egg. To this large army of poultry owners now comes a message of hope and that hope is the name at the head of this column.

As a food product for chickens—as a stimulant towards egg production—this Eg-O MILK ALBUMEN is comparatively a new thing, inasmuch as it has been on the market only a few years, but in reality this product is as old as the hills itself—its good qualities never have been disputed wherever it has been possible to feed chickens on milk. The effects on poultry life from such milk food have always been well known and highly appreciated; but commercializing this by-product, putting it in shape that will bring it within the reach of poultry breeders, getting an article that will keep its purity and sweetness in hot weather or cold, that can be fed either in winter or summer without detriment to the chicken, that has only been accomplished at a comparatively recent date, in the manufacture of this Eg-O MILK ALBUMEN.

At certain seasons of the year there is a surplus of skim milk; it cannot be preserved in its natural state, and chemistry solved the problem by turning this surplus of skimmed milk into Caseine used by manufacturers in the coating of fine glazed Wall Paper, the Whey into Sugar of Milk, which is used as a food for infants and invalids, the coating of pills and other pharmaceutical purposes.

When this Caseine and the Milk Sugar are extracted and the water evaporated it leaves a white granular substance which is this ALBUMEN—from every hundred pounds of milk it is only possible to recover two or three pounds of ALBUMEN. So it will be readily understood that it takes a large quantity of milk to make a very small quantity of Albumen and a very small quantity of Albumen will sufficiently stimulate a very large number of chickens. Its chemical composition was in every way identical to the white of an egg and this immediately suggested it as the most valuable stimulant for producing and developing eggs.

In this connection the attention of our readers is called to the ad. of Innis, Speiden & Co., (est. 1816) Room 100, 120 W. Kinzie St., Chicago, Illinois, who manufacture this MILK ALBUMEN POULTRY FOOD. They will be very glad to send you free sample and full particulars regarding their product if you will send your name and address and mention this Journal.



Quality Bred-To-Lay Single Comb

White Leghorns Exclusively

EGGS COCKERELS CHICKS

at reasonable prices and everything guaranteed. Write for illustrated catalogue before buying elsewhere.

THE ELLIOTT POULTRY FARM, R. 7, MANSFIELD, OHIO

PAYNE BROS.' R. C. R. I. REDS

WIN BIG VICTORY

At Madison Square Garden, December, 1913--1st Pen and 3rd Hen

The winning of 1st Pen, the most coveted prize in the hottest class ever shown, stamps our strain as among the very best in Rose Combs today.

Eggs and Stock in season. Catalogue Free

PAYNE BROS. Box J Portland, Connecticut

Palmer's White Rocks

WINNERS FOR YEARS

Stock of all kinds always for sale. Birds from us, if not satisfactory on arrival, may be returned at our expense and money will be refunded.

Eggs from Prize Winners $5 per 15. Special Matings $3 per 15. Send for 1914 Booklet.

"The Glen" Poultry Farm : Fairport, New York

S. C. White Leghorn Baby Chicks

We Have No Other Breed

By concentrating all our efforts in improving the qualities of our breed of fowls, we are in a position to offer you chicks from breeders possessing unsurpassed utility combined with exhibition qualities ,and at prices asked by others for the ordinary strain. Our advance during the past season in perfecting the OLD RELIABLE SPRING WATER STRAIN has been marvelous.

We have among our breeders both male and female birds that have won first prize as singles and pens at some of the leading Eastern Shows.

We guarantee chicks hatched from eggs laid by our breeders only and their safe delivery to you.

Join our army of satisfied customers. You must be satisfied before we consider a transaction closed.

Order early, thereby assisting delivery on desired dates.

Eggs for Hatching. 90% fertility guaranteed.

We also offer choice breeding cockerels at tempting prices. Mammoth Incubators. Capacity 20,000 Eggs at one sitting. Write for free illustrated booklet.

SPRING WATER POULTRY FARM

Frank J. Eppele, Prop. Stockton, New Jersey

Ask the Breeder?

Not the ordinary breeder, but the one who is successful, the one who has the heavy laying hens and whose fowls gain maturity early. Just ask him the cause of those fully developed fowls and large egg baskets.

Ninety-nine times out of one hundred, his answer will be, fowls must be fed flesh food.

The small raiser of poultry doesn't seem to realize that no matter how few or how many birds he may have, it is absolutely necessary that they be given the correct amount of attention and fed properly. If you give fowls attention and feed them properly, you will find that at the end of the year, your profits have doubled themselves, your feed bills are less and the egg basket is heavier.

Proper feeding means meat in some form and the best and cheapest meat food is "Hines Meat Scraps."

The feeding of these "meat scraps" means better and healthier fowls and heavier egg baskets. It is sold under a positive guarantee of money refunded if not entirely satisfied. Look up Hine's ad. in this issue, then write for a free sample. Address Hine Bros. Co., Union Stock Yards, Chicago, Ill.

Advertising and Satisfaction.

Two great words, two that go a long ways towards the success of a business. You must advertise, then when you get the orders you must give the customer satisfaction. That is the sum and substance of a little talk made to me by R. J. Elliott the other day. He told me of how the A. P. J. had been bringing him results, then of how he made an extra effort to satisfy everyone, with the result that he is entirely sold out of grown stock with the exception of a few high class cockerels. Along with this he has mated 350 high type pullets and 200 yearling hens. This enables him to handle a large egg and baby chick trade. Located the way he is at Mansfield, Ohio, he can ship you promptly by U. S., Wells Fargo or Adams Express.

The reorders he gets year after year are the best proof that he sends his customers the right kind of stock and eggs. I have seen these Elliott Strain S. C. White Leghorns and do not hesitate to recommend them. Look up his ad and write for prices. Address, Elliott Poultry & Fruit Farm, Mansfield, Ohio. —H. H. Coburn.

Safety First.

The National Poultry Butter and Egg Association advise us that there are thousands of dollars worth of eggs broken each year, in transit. This loss can be eliminated if a good egg carrier is used.

A carrier that has been pronounced perfect, by some of the best known breeders, judges and experiment stations in the country is the "Regal." And to show the strength of this carrier, we herewith print a picture of three men standing on a Regal egg carrier filled with eggs.



This would hold three more with perfect safety. With this carrier everything is complete, even a paper to wrap each egg in. It's real worth is shown in the thousands of repeat orders received each year, so if you intend to ship eggs you owe it to yourself to try the "Regal." For prices write to B. W. Plane, Belvidere, Ill.

Silver Wyandottes.

There is more interest in Silver Wyandottes today than has ever been known in the history of this breed. We have had Silvers for twenty-five years, but never have we noticed such a good hearty earnest interest in this breed. In the language of a large breakfast food advertiser, "There is a reason for it." Now what is the reason? In the first place, in the National Egg Laying Contest at Mountain Grove, Mo., the greatest egg laying contest ever conducted, the Silver Wyandottes, as a whole, averaged more eggs for the year 1912, than any of the other thirty varieties represented there; and for the year 1913, averaged one hundred and seventy-two eggs against one hundred and seventy-three for the best record of any other breed, but for the two years, the record was largely in favor of the Silver Wyandottes. In addition to this record as the best layers, it is also worth noticing that the Silver Wyandottes produce this result on an average quantity of feed, probably a little more than a few varieties, but considerable less than any of the other popular varieties. This may be accounted for to a large extent by the active, hustling, industrious disposition of the Silvers.

Finally and last, but not least, the Silvers today are better in quality than ever before, and that means in the eyes of many at least that they are the prettiest chicken that grows. We have then the best all-around chicken, the prettiest chicken and the best money-maker for anyone that has good Silvers, and especially for him or her that will produce better than we see in the big shows of the country today.

In conclusion, we will state that our Club, "The Silver Wyandotte Club of America," was organized in 1891, with ten members. We have today more than 300 members, in good standing, from all parts of the country. We will have our annual club meeting at Chicago, in De-

MUNTZ'S WHITE LEGHORNS Great Win at Chicago Coliseum Show, 1913

2d Cockerel; 2d Cock; 5th Hen and 4th Pullet. Only exhibitor winning in every class entered. At Elgin, Jan., 1914, seven silver cups, including Nat'l S. C. White Leghorn cup for best display. Book your egg orders early. Mating List free, send for it. HARRY A. MUNTZ, 565 Spring St., Elgin, Ill

Eventually Llenroc Reds—Why not *now?*

Formerly ALT'S REDS—From coast to coast they have won the blue in 17 large Shows this season. Some of their blood will help you **win.**

Our blood Crowther and Old Acre straight

Cockerels and breeders at moderate prices. Matings **best ever.** Eggs $15.00 per 15. Get our **free** 1914 mating list and be convinced.

HOUCK & ALT :: 87 Fuller Street :: BUFFALO, NEW YORK

SCHULTZ'S BUFF WYANDOTTES ALWAYS WIN WHERE COMPETITION IS KEENEST.

AT MADISON SQUARE GARDEN, December, 1913—Four entries, 1st Cockerel, 2nd Cock, 5th Pullet.

AT CLEVELAND, December, 1913, Ohio State Club Meet—Nine entries, 1st and 2nd Cocks, 2nd Hen, 2nd Cockerel, 5th Pullet, 3rd and 6th Pens.

AT HAGERSTOWN, October 1913—Five entries, 1st Pen, 1st and 2nd Hens, 4th and 5th Cockerels. A total of thirty birds shown, twenty-seven placed.

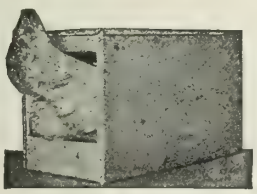
Stock for sale. Egg circular. Prices very reasonable.

W. F. SCHULTZ P. O. BOX 97 CUYAHOGA FALLS, OHIO

COLUMBIAN WYANDOTTES

My birds won more first, second and third prizes at Chicago, Minneapolis, St. Paul and Minnesota State Fair during the last three years than all my competitors combined. When writing mention American Poultry Journal.

Geo. A. Kersten Washburn Park, Minneapolis, Minn.



AUTOMATIC SANITARY TRAP NEST

THE BEST IS THE CHEAPEST

"Best that has come out." Poultry Herald.
"Thoroughly Automatic—nothing to get out of order." American Poultryman.
"Practical, sanitary and sensible." Southern Cal. Poultry Breeders Ass'n.
"There are none compared with it." Judge J. B. Greenfield.
"Works splendidly—tells what each is doing." Rev. D. Earl Rhoads, Ada, Ohio.
"Hens take to it readily—it is splendid." Robert Achurch, Charleston, S. C.
"It has come to stay." Iowa Farmer.

Metalic, vermin proof, durable. Accurately selects layers from non-layers. Has made the 300 egg hen possible. **All hail the Trapnested Hen.** No. C 521, Oregon Station, a trapnested hen bred from trapnested stock just completed 304 eggs in twelve months. Best booklet out—Free. Address:

Automatic Sanitary Trap Nest Co., - Duluth, Minn.

White Rocks and Silver Campines

My White Rocks are Winners at such shows as Quincy, Ill., Illinois State Fair and Illinois State Show, Springfield, Ill., 1912-1913.

I have been pedigree breeding this variety 10 years for heavy egg-production and standard excellence, and can supply winners for any show.

My Silver Campines are the Best Obtainable

My 1914 matings are each headed by a son of a winner at the 1912 Crystal Palace Show, England (the world's greatest show), mated to winning females.

A few fine White Rocks for sale. Eggs from special pens of either variety $5.00 per 15, $9.00 per 30. Circular free.

CHAS. A. SIMMONDS : CAMP POINT, ILLINOIS

Harbaugh's Black Langshans

Made a Sensational Record at Madison Square Garden, New York, Show, 1914

At this greatest of all shows my birds won an unequalled record of merit from a great quality class. I won: Cock, 4th and 5th; hen, 1st and 5th; cockerels, 1st, 2nd and 5th; pullets, 1st and 3rd; pen, 1st and all Specials.

My Birds Have Won at Philadelphia, Baltimore, Hagerstown, Etc.

for years and have an unapproached record for **winning** and **breeding** quality.

STOCK FOR SALE EGGS IN SEASON

Absolute satisfaction assured to all. Circular free.

I also breed ROCKS, MINORCAS and R. I. REDS. Write me your wants.

FRANK HARBAUGH Box A MIDDLEBURG, MARYLAND

Golden Wyandottes

Win at Boston, January, 1914

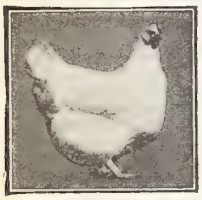
Cock, 1-2-4-5; Hen, 1-3-6; Cockerel, 1-2-4-5; Pullet, 1-3-4-5; Pen, 1; Best Display; 3 Association Specials, and 13 of the 19 Club Specials, **completing a Record Win.** Breeders and mated birds for sale. Your wants will have my best care. Write for particulars.

LOREN H. BROWN - LUNENBURG, MASSACHUSETTS

Our Mammoth Bronze Turkeys

make a clean sweep at the Great Coliseum Show, Chicago, winning 1st and 2nd cockerel, 2nd, 3rd, 4th and 5th cock, 1st and 5th pullet, 2nd and 3d hen, and the **$100.00 Trophy Cup** given by the National Bronze Turkey Club for the best display. A grand lot of young and yearling stock for sale, including the **Grand Champion Cock at Illinois State Show, 1913.**

JAMES S. MILES & SON -:- -:- PETERSBURG, ILLINOIS



S.C. White Orpingtons
Black Langshans

WINNERS AT THE LEADING SHOWS

EGGS FOR HATCHING

$3 per 15, $5 per $30, $12 per 100

WOODMAN-COLPRIT YARDS

1140 Mass. Ave., Arlington, Mass.



BARRED ROCKS STATE CUP WINNERS S. C. BROWN LEGHORNS

At Rochester, 1913, My Rocks won the state cup for best cock, hen, cockerel and pullet, with 300 birds in competition; also first young pen and specials. At Buffalo again won display for best cock, hen, cockerel, pullet and pen, 2 shape and 1 color special. At Rochester second show, 1-2 cock, 1-2 hen, 1-2-4 pullet, 2-4-5 cockerel and 1st pen.

In Single Comb Brown Leghorns I am stronger than ever. At Rochester the only time shown this year, 1-3 cock, 1-5 hen, 1-3 cockerel, 1-2 pullet, 1-2 cockerel bred females. A grand lot of birds for sale either variety, old or young—also eggs for hatching. Write me. **L. B. RESSEGUIE, MILLERS, NEW YORK**



S.C.BROWN LEGHORNS

PRIZE WINNERS

The kind of birds the fancier loves to raise. I won 1st on cockerel, 3d on cock, at the Boston show, 1907; 2d and 5th cockerel, 3d and 5th cock, 3d and 6th hen, Boston, 1908; 1st on cock, 3d on pullet, at Madison Square Garden, 1905; 1st cock, 2d and 3d on cockerel, 1st on pullet, 1st on pen, and 10 special premiums at Chicago show, 1905, winning fifteen prizes on eight birds. At Chicago, December 1909: 1st and 2d cock, 1st and 5th cockerel. First cock, 1st cockerel at the Great Chicago Show, 1910. A choice lot of show and breeding stock now ready for delivery. Circular showing my winnings free. Write now.



W. H. WIEBKE Box A 348 FORT WAYNE, IND.

Wyckoff's S. C. White Leghorns

acknowledged everywhere the World's greatest laying strain; unequalled in standard qualities. Remember that we are the originators and for over 30 years specialty breeders of the justly celebrated **"Wyckoff" strain of S. C. White Leghorns,** the most profitable strain of poultry in America today. Place your orders at headquarters and make no mistake. **Eggs for hatching** in any quantity from the grandest of matings, both utility and exhibition. Catalogue and testimonials free.

C. H. Wyckoff & Son Aurora, Cayuga Co., N. Y.

Russell's White Wyandottes

At Boston's Great Show, January, 1914

Make the World's Best Record Winning

Competing with 200 Classy Birds of Superior Merit and Quality my birds won **Champion Male Special Cup.** Cock, **1-5-6,** Hen, **1-2-4,** Cockerel, **1-3-6.** (Bought first.) Pullet, **1-2,** Pen, **1-3-5. Best Display** and practically **all Specials, Club and Association.** They have won at

New York, Buffalo, Toronto, Guelph, Etc.

and have a record for real winning quality at our best shows. Eggs for hatching from special matings. Stock for sale at all times. Special sale of selected breeders now, they are of my best winning lines. We assure results. Write me today.

JOS. RUSSELL 437 JARVIS ST. TORONTO, ONT.

cember, 1914, in connection with the Chicago Show, and the prizes in sight now justify us in saying that more than five hundred dollars will be up, which also justifies us in saying that this will be the greatest Silver Wyandotte show ever held. HENRY STEINMESCH, President Silver Wyandotte Club of America.

Eastern Breeders Notes.

The Houdan breeders have a real live champion in Mr. James Abernethy of West Pembroke, Maine. At Boston, with the great class, he was a happy man indeed and much credit for this great class was due to his efforts. His winnings were first pen and hen. The pen was a great collection of quality, well mated, even in color, and of beauty form. Let us all now help to boom this old favorite. They are a practical and worthy breed.

At Boston also we met for the first time Mr. J. L. Metzler, Findlay, Ohio, another ardent Houdan fancier and breeder, who won cock 3, hen 5-6, cockerel 1, pullet 5, pen 3. His winning cockerel was a truly wonder in form and color, we mention him elsewhere.

Mr. Paul Klingbeil, Walpole, Mass., one of the original breeders of Partridge Rocks, entered for display only at Boston this year, having sold several winners there. At the late Madison Square Garden, New York show, he won cock 2, hen 1, pullet 1, pen 5. Mr. Klingbeil offers for sale a few choice females and a rare collection of males at right prices. This line has been a winner for years and is reliable.

Mr. M. F. Delano, Vineyard Haven, Mass., looked over the Boston show on his way to Pittsburg, where he made the greatest record we know of in White Wyandottes and White and Buff Orpingtons and S. C. Reds, winning sixteen of a possible twenty-one first prizes, a total of twenty-three silver cups, etc., also shape and color specials. Mr. Delano has a very large stock of choice birds, write him your wants, he assures absolute satisfaction to all patrons.

The Wonder Strain of Columbian Wyandottes, bred by Mr. James F. Perkins, West Stoughton, Mass., have had a most successful season by winning at Boston, Brockton and Providence. At Boston's great 1914 show they won cock 1, cockerel 1, pullet 3, old pen 1, special for best Columbian Wyandotte in the show and male shape special. At Brockton, cockerel 1-2-3, pullet 1-2, hen 2-3, pen 1, special for best Columbian in show and specials for color and shape male and female. At Providence, cock 2, hen 4, cockerel 3, pullet 1. This pullet won special for both shape and color and special for best Columbian in the show. Mr. Perkins has several choice cockerels for sale.

The Barred Rock wizard, Chas. H. Welles, Stratford, Conn., has sold the winners for many shows this year. We lately paid him a short visit and found him all mated up. His pullet breeders look better than ever. They have size, shape and color and the best possible style of barring. This line has the quality that has won the country over. In cockerel breeders, Mr. Welles has four very strong pens all headed by males from his first prize New York cock. His circular and mating list is free to all.

Mr. Harold Tompkins, breeder of Rhode Island Reds, Concord, Mass., beside the records made at New York and Boston, exhibited at the Rhode Island Red Club Show, New Haven, Conn, where his winnings were most complete and as follows: cock 1-4-5, hen 3-4-7, cockerel 1-2-3-7, pullet 1-7, pen 3, best display, A. P. A. Special for best cockerel in show and all club specials for color and shape on male and female. Mr. Tompkins has won his way to the front by successful breeding and has a fine line of birds.

Mr. C. E. Riley, Ebenezer, N. Y., breeder of R. C. Reds, exhibiting at Rochester, N. Y., in January, won as follows: cock 2, cockerel 1-2, hen 1-3, pullet 1-5, old pen 1, young pen 1-2, best display and many specials. This with his recent Buffalo winnings and at other shows well tells the story of this line.

Mr. H. P. Deming, Robertsville, Conn., breeder of S. C. Reds, has been a breeder and winner of note for many years. At the late M. S. Garden New York Show

he won, among other prizes, first prize pullet in a class of 36 birds. This pullet is of sensational quality, extra fine in form and of richest quality in color. His entire line shows strong breeding worth and is the kind we like to recommend to our readers. Get his mating list and mention the A. P. J. always.

The Pine Lodge Farm Co., South Lincoln, Mass., breeders of Blue and Cockoo Orpingtons, with Mr. W. H. Depper as the president and Mr. Art C. Gilbert, manager, the originator of these Orpingtons promises well for these varieties. Mr. Depper has bred them here for some years and in securing Mr. Gilbert, has made a master move. From the first the Blue Orpingtons have been popular here. They are a staple variety bound to rank with the best.

We lately visited John S. Martin at his Port Dover, Ont., home and viewed with interest his great flock of White Wyandottes. Mr. Martin has now upwards of 500 young and they look very good. His matings this year are a select lot of extra quality, the males strong, clean fellows with beauty combs and heads and deep, broad bodies and full tails. His mating list should interest you, it is free for the asking.

Mr. Henry D. Riley, Strafford, Pa., made a grand win at the Indianapolis, Ind., show, the annual club show in a great class: cock 1-4, hen 1-2-5, cockerel 3-4-6, pullet 1-5, pen 2, pullet pen 1, special champion male and many other specials, also note his Boston winnings.

Now is the time to feed French's Poultry Mustard. This is the "original" and reliable brand. Send to The R. T. French Co., Rochester, N. Y., for booklet and always mention the A. P. J.

The "Spir-O" Leg Bands made by Mr. P. S. Riggs, White Plains, N. Y., have reduced the price of their bands from 25 to 30 per cent. These popular bands are cheap at any price and best answer the purpose of banding and marking lines of breeders. Know your birds by the color of leg bands and save time and handling.

In our next we will have a report of the Aldrich White Orpingtons, Columbus, O., having spent a day there lately looking over their line which is most pleasing. Their season's winnings at New York, Chicago and Allentown is a wonderful record for these farms. Mr. L. Rawnsley is on the job and promises more smashed records next year.

We have just received a copy of C. N. Myers, Hanover, Pa., catalogue and mating list. Breeders interested in pullet line Barred Plymouth Rocks should ask for it.

Oakland Farms, Trenton Jct., N. J., S. C. White Leghorns and S. C. Reds, offer baby chicks and eggs for hatching. Their stock is right, strong and vigorous. Write them for prices and particulars. They have one of the largest and best equipped plants we know of. Mention A. P. J.

Mr. L. C. Bonfoey, manager of the Bonnie Brook Poultry Farm, Saratoga Springs, N. Y., made his latest great record at the late Boston show in S. C. White Leghorns and White Rocks. He has been for many years one of our best breeders and his friends all wish him well in his new position.

The Wayne Poultry Farm, Mr. F. W. Christie, owner, Stony Point, N. Y., breeder of S. C. White and Brown Leghorns, make a specialty of baby chicks and eggs for hatching. This is one of our oldest lines and a reliable one, having been bred for highest practical quality for 14 years. Catalogue and any information for the asking.

Fairfield White Rocks won the honors at Baltimore's best and latest show. Note his record elsewhere in his adv. and write him your wants. Mr. H. W. Schnitzer has bred this line for many years and has won on them at several of our most prominent exhibitions. Write him today at Fairton, N. J., for circulars, etc.

When in want of Partridge Wyandottes address Mr. Chas. H. Wood, Mutual Bldg., Worcester, Mass., and have him tell you how to produce New York winners.

The Maryland Leghorn Farms, Cambridge, Md., with Mr. W. C. Bowman,

E. C. Hilborn's Columbian Wyandottes

Won at Philadelphia, Pa., December 1913
3rd Cock, 2nd and 5th Cockerel, 3rd, 4th and 5th Pullet.
Eggs for Hatching from my Finest Matings, $4 per 15.

ELMER C. HILBORN, R. D. No. 1, ROYERSFORD, PENNSYLVANIA

ROUEN DUCKS

Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings.

SWEETBRIAR FARM

Louis B. Schram, Prop. ELBERON, N. J.

ELOSSER BLACK LANGSHANS

WIN AT THE NATIONAL CAPITOL SHOW

Held at Washington, D. C., December, 1913: Cock, 1-2; Hens, 1-2; Cockerels, 1-2; Pullets, 1-2; Pen, 1, and all Specials. My line for size, shape and color are unapproached and have been winners for years.

STOCK FOR SALE. EGGS FOR HATCHING FROM CHOICEST MATINGS.
Write me your wants. Pleased to know you.

PORTER ELOSSER -:- CUMBERLAND, MARYLAND

CARMAN'S WHITE WYANDOTTES

WINNERS WHEREVER SHOWN

I have four of the grandest pens I ever mated for my egg trade. Eggs from pen 1 and 2, $5.00 per 15, pen 3 and 4, $3.00 per 15. A few good cockerels left from $2.00 up. Order direct from this ad. Satisfaction guaranteed.

O. A. CARMAN PETERSBURG, ILL.

NOW IS THE TIME

DON'T WAIT until they are all gone—place your order TODAY for

BABY CHICKS BRED FROM WINNERS

SINGLE COMB WHITE ORPINGTONS

MATING PENS NOW READY. EGGS $15.00 A SETTING for first winners and $10.00 a setting for all others. UTILITY PENS—SPECIALS, $25.00. Pullets, $5.00 to $15.00; Special prices on five or more.
A FEW HIGH CLASS PARTRIDGE PLYMOUTH ROCKS.

"STONESTREET," the Yard that Furnishes Prize-Winning Birds

PARK POULTRY YARDS
GLENDALE
MRS. REGINALD STONESTREET NASHVILLE, TENN.



Best Hen in Whole Show, Columbus, Georgia, 1912.



SWASTIKA STRAIN OF SINGLE COMB

WHITE LEGHORNS

ILL. STATE FAIR, AURORA AND DE KALB PRIZE WINNERS

I have six (6) of the finest Matings this year that can be found anywhere, with quality to burn, all headed by prize winning males and mated to produce the very best of the best, ranging in price from $2.50 to $10.00 per setting. Could you ask for more?

You can't get better quality—better TREATMENT—better satisfaction ANYWHERE. Egg orders booked Now. Handsome 1914 Mating List Sent Free.

Stock, Hatching Eggs, Baby Chicks

Read on page 48 Jan. A. P. J. the article, "Are Your Hands Clean," and then write to

SWASTIKA POULTRY YARDS
O. E. FAXON, Prop. Box 543A PLANO, ILLINOIS

BARRED PLYMOUTH

ROCKS

210 Eggs in 259 Days

This was the official record made by one of the females in our pen at the International Egg Laying Contest at Storr's Agricultural College last year. Our five birds in this pen made a record of 836 eggs in 9 months and 11 days of actual laying. Eggs for hatching. Send for catalogue.

MAPLE GRANGE POUL. YARDS
S. M. GOUCHER, MOORESTOWN, N. J.



Eakin's White Wyandottes

AT THE GREAT HAGERSTOWN FAIR, 1913—Won first cockerel and special, fourth pullet.
AT THE GREAT MID-WEST SHOW, CHICAGO, 1913—Won first cockerel, third pullet, first young pen.
Choice Exhibition and Breeding birds for sale. Our breeding pens have quality rarely equaled.
Send for mating list. Eggs for Hatching, $5.00 per 15. Satisfaction guaranteed.

F. M. EAKIN **BOX A** **BUCYRUS, OHIO**

Skinner's Standard White Wyandottes

Winners at Chicago, Indianapolis, St. Louis.
Stock and eggs—prices right, consistent with quality. Write for mating list,

F. E. SKINNER **L. Box 806** **SANDWICH, ILL.**

CAMPINES LEGHORNS

Silver **Golden** **S. C. White**

Day-Old Chicks, Eggs for Hatching and Stock

Now is the time to place your orders for day-old chicks and eggs. Can supply you from the leading English and American strains (Tom Barron and D. W. Young) in Leghorns and in Campines. Our pens of Goldens will be headed by the best in hen-feathered males and represent the best quality and type and are bred for heavy egg production. Satisfaction guaranteed. Catalogue free. **MOUND HILL FARM, S. D. Hall, Mgr., Box 78, Seville, O.**

Columbian Wyandottes — Boston, 1914, Winners

Cock, First; Cockerel, First; Pen, First; Pullet, Third

Special for Best Shaped Male, Championship Special for Best Male, etc. My line has an unequaled record for winning and practical quality.

SELECTED BIRDS FOR SALE. EGGS FOR HATCHING. SATISFACTION ASSURED.

J. E. PERKINS **513 Canton St.** **WEST STOUGHTON, MASSACHUSETTS**

ABERNETHY'S HOUDANS MAKE NEW RECORDS

AT BOSTON'S GREATEST SHOW, JANUARY, 1914

In the greatest class ever shown and with 159 birds competing, my birds won Hen 1st, Pen 1st and Specials, showing in three classes only. This great class was the sensation of the show. I have also won at Philadelphia, Madison Square Garden and New York City.

For Sale: Special Selected Cockerels. Write me your wants.

JAS. ABERNETHY **High St.** **West Pembroke, Maine**

JAQUELIN FARMS'

DARK CORNISH

AMERICA'S CHAMPIONS

Leading winners at Club Show, 1913, and at America's greatest shows, including Philadelphia, Baltimore, Allentown, Hagerstown, Richmond and Washington. Champion show birds and breeders for sale. If you want quality, write—if not, keep mum. Eggs from 10 grand pens.

JAQUELIN FARMS **Courtland H. Smith** **WARRENTON, VIRGINIA**

Savacool's White Wyandottes

Again rove Their Quality at the Great Phila. Show

Winning three firsts, two seconds, one third. I have some choice cockerels at very reasonable prices. Stock and eggs for sale. Let me know your wants.

A. J. Savacool, Box 6, Cornwells, Maud P.O. Bucks Co., Pa.

Single Comb White Leghorns Exclusively

D. W. YOUNG'S STRAIN

The finest in the World. Bred for their great winter laying qualities. Milk fed. Over 2,000 layers on free farm range. Largest plant of high class breeders in the world. At farmers' prices. Eggs for hatching now ready in any quantity at $6.00 per 100, no order too large. Baby chicks $12.00 per 100, capacity 6,000 weekly. Now booking orders for March and April delivery.

My book, "Profits in Poultry Keeping Solved" shows where the money is, price $1.00. 5th edition given free with all $10.00 orders. Satisfaction guaranteed. Descriptive circulars free.

Edgar Briggs **Box 144** **Pleasant Valley, N. Y.**

mgr., is on the high road to greater things. They won first S. C. White Leghorn pullet at the M. S. Garden New York show and nearly all the honors at Baltimore and have a line with great quality and promise. Baby chicks a specialty, circular free. Mention A. P. J.

———o———

Why White Rocks Are Bred at Rancocas.

Rancocas Poultry Farm, Brown's Mills, N. J., was started as an egg farm, ten years ago, with about 3,000 S. C. White Leghorn layers. The climate, soil and easy shipping facilities to New York City make southern Jersey almost an ideal location for a large egg farm. The business has gradually grown until in 1910, we were wintering about 18,000 females. Our phenomenal growth and success had attracted attention throughout the poultry world, and we began getting inquiries for hatching eggs, baby chicks, breeding stock, etc. This gradually caused a radical change in our business plant. Instead of being a farm whose principal object was the production of table eggs for New York City, our principal income became the selling of hatching eggs, baby chicks and breeding stock to improve the flock of others. We went after the new order of business just as enthusiastically as we had after the producing of table eggs in earlier days. With our advertising and publishing of our "Million Egg Farm" book, we began to receive approximately 100 inquiries a day during the busy season.

On this morning, February 12, we received 150 inquiries. Many of these inquiries asked for information and advice about the heavier breeds. People from foreign countries occasionally sent us sums of money for breeding pens of our white leghorns, and for breeding pens of some of the heavier breeds, so partly in self defense, we decided to add a heavier breed. After giving several of the popular breeds a trial, we decided that the White Plymouth Rock came the nearest to being the ideal general purpose fowl for the following reasons:

In the first place, we believe that the general shape as advocated by the Plymouth Rock breeders of all varieties is most conducive to health and to heavy laying of any of the middle weight breeds. And it seems to be one of the unwritten laws of the poultry business in this country, that the white variety of all breeds are the most popular. Also White Plymouth Rocks, at the different egg laying contests that have been held throughout the country have made a better general average than any other breed. Our foundation of White Plymouth Rocks purchased three years ago, included the entire flock of M. L. Chapman, who had been one of the most successful exhibitors at Madison Square Garden and Boston for the preceding five years. Mr. Chapman came with us at that time, and has since had charge of all our show stock, which is located on a separate farm about one mile distant from the big plant. We will add that we have never been able to keep up with our orders either in breeding stock or hatching eggs, although we have increased our flock so that it now numbers several hundred birds.

———o———

A Woman Who Knows.

If you were to ask poultry judges what one woman ranked, as a real breeder of high class Anconas, their answer would be Mrs. Guy Blencoe. This little lady just has the habit of taking those Rose and S. C. Anconas she has and winning prizes from Boston to Seattle. At the last Chicago Coliseum Show, she captured 1st pen, 1st cockerel, 1st and 2nd pullet; at Madison Square Garden it was 1st and 4th pen. Beyond a doubt there is no one in the business today who knows Anconas better than she does and when you buy eggs or stock from her, you are buying the very best that can be obtained. She is a mighty fine lady to deal with, will give you a hundred cents worth for a dollar and take care of your orders very promptly. Write her for prices. Address, Mrs. Guy Blencoe, Alma Centre, Wis.—H. H. Coburn.

———o———

Scored 95½ Points.

B. E. Graham of Manteno, Ill., is in receipt of a letter from one of his many customers, informing him that the White Plymouth Rocks he had sold him, won at the Pontiac, Ill., show as follows: 1st cockerel, which scored 95½ points; 2nd and 4th pullet and silver cup for best pen.

A Noted Barred Rock Farm.

That the west is becoming prominent for the production of high class Barred Plymouth Rocks is demonstrated by the wonderful advancement of the Henderson strain during the past 20 years. The west cannot only boast of producing the best birds of this variety in the world, but can also claim the largest exclusive Barred Rock farm in the world, which is located at Bridgeton, St. Louis county, Missouri, and owned by Judge W. W. Henderson.

Bridgeton is situated in the Florissant valley a few miles out of St. Louis, and this particular section is known as the garden spot of the United States and has the reputation of producing the best of









Prize-winning cockerels on the farm of W. W. Henderson, Bridgeton, Mo.

everything in the agricultural line, as well as best Barred Rocks that are being shown today. The Henderson farm is composed of 50 acres, which is devoted exclusively to Barred Plymouth Rocks and the equipment is second to none that we have ever seen.

On entering the poultry farm we passed through the large breeding pens, 10 in number, in which all the matings for Spring breeding are confined, and among the specimens in all of these pens, in both the cockerel and pullet lines, we found many winners in America's largest shows. Each pen has a range of about ½ acre, under the apple orchard, and the houses are of the open front, combination order with scratching pens attached. These pens, as we found them equipped, are ideal for breeding purposes. In passing from these pens to the main poultry farm, we passed the attendant's quarters, a neat five-room cottage, standing on the brow of a hill which overlooks the entire plant.

Immediately behind the attendant's cottage is the feed house, which is one of the most important houses on the farm. This house is equipped with power and machinery to make every variety of chicken feed known. On the first floor of this house is a gasoline engine, attached to a line shaft to which grinding mills, bone cutters and mash cutting machinery is attached by counter shafting. Conveniently along the walls are down spouts, through which grain, of different kinds, is lowered to the first floor, for mixing and grinding. This house is also equipped with feed-cooking apparatus, which is very essential in the production of early eggs for hatching.

The upstairs of this house is divided into several bins into which car loads of grain are stored. We were told that by maintaining a house of this character 30 per cent of the cost of feed, used in the usual way, is saved.

Immediately off of this feed house are the various colony houses (10 in number), with large yards in which the maturing young birds are graded, viz.: exhibition cockerels, exhibition pullets, pullet bred cockerels and cockerel bred pullets. These houses and yards are also used for the different lines of breeding birds after the breeding pens are broken up.

To the east of these is located the cockerel house, which accommodates 100 birds, giving each bird a pen 3½ by 6 feet. These pens are so arranged that each bird is kept to himself without any chance for injury, by fighting, etc., and in this house birds are conditioned for the show and made ready for shipment on orders received for birds to be shown at any special time. The keeping of a house of this character, on a large farm, makes it possible to have exhibition specimens in the pink of condition when they are to be shown. The recent exhibits of the Henderson strain of Barred Plymouth Rocks at the leading poultry shows, evidenced the fact that a house of this character should be maintained on every poultry farm, large or small.

Directly east of this conditioning house is located the incubator cellar and brooder house. The incubator cellar is 6 feet in the ground with walls extending from the ground about 3 feet and a gable roof. This building is about 24 feet square, properly ventilated with windows and air shafts and is equipped with 10 standard machines with a capacity of 3,000 chicks every three weeks.

Directly in front of the incubator cellar is a brooder house 30 feet in length, with the necessary equipment to handle 4,000 chicks.

South of the brooder house is located 2 large breeding houses. These houses are 126 feet long and 21 feet wide and contain 17 breeding pens each. They are built on a concrete foundation, each pen is 8 feet wide and 18 feet long. The roosting quarters are built of tongue and groove lumber and are 4½ feet long, 3 feet wide and 3½ feet in height and have a drop curtain in front which is lowered in extreme cold weather. These roosting quarters are about 3½ feet from the floor and are in the rear of each pen, next to the long passageway, which runs entirely through the house. Under these roosting quarters are the nests, which are practically isolated from the pens, and the eggs are gathered from the opening in the passageway. Each pen is watered from the passageway by a large porcelain pan, which upon inquiry, we found was used instead of a closed fountain to prevent the birds from injuring their combs, while drinking. The front of each pen is open, with the exception of a wire netting and muslin window, which is raised and latched to the roof and kept that way practically all the time, except in very extreme weather. These roosting quarters are practically a chicken house within a chicken house, from which we were told the most magnificent results were obtained in the production of eggs, from the pens quartered in these houses, during the early spring.

We noticed particularly the arrangement of the roof, which provided a window through which the sun can shine directly

F. N. Perkins says:

I am convinced that my matings this year will produce the best *Partridge Plym. Rocks* it has ever been my pleasure to own. It has been my desire to produce birds that not only would be up to the standard requirements as far as type and color goes, they should also have an inherited tendency for big egg production. I have been successful in producing these qualities throughout my flock and birds of my strain have won the big prizes at the leading shows in the country. If you are looking for that so much desired triple lacing and beautiful rock type or for birds with abnormal egg production, it will pay you to send for a setting or two of eggs for hatching. My elegant mating list containing a fine color plate of these fowls and describing different pens I have mated is free. My art catalogue is considered the finest book on this variety and well worth the 25c I ask for it; contains a large color plate and valuable information regarding this breed. **F. N. PERKINS, 22 Harlem Ave., Freeport, Ill.**

The Last Word

In "Profit Paying" Blue Ribbon Winning Stock

Don't Forget the Almighty Dollar in your eagerness for show room fame.

There's another side to it. Get our 200 Egg Stock, which has been trap-nested for 24 years, and "forget" the empty egg basket or the empty purse. We offer fine breeding males and females at reasonable prices.

Baby Chicks $20 per 100, out of 200 to 248-egg hens.

Eggs for Hatching—$10 per 100; Bd. Wh. and Buff Rocks, Reds, Wyands., Orps., Leghorns.

3 Ribbons at Boston on 4 entries, in 1914, on **Buff Rocks.** My best pullet scored 95½ at one show this year under "Weed" Judge.

I have Chicks and Eggs out of regular stock at $15 per 100 for Chicks, $8.00 per 100 for Eggs.

Write wants. "You have had the rest, now buy the best."

Sunnyside Poultry Farm
Box 1002 Bristol, Vermont



Post Card Brings

our free 56-page book

"The Why and How of The Miller System."

Test our ideas far enough to form an opinion. We want to prove to you that you can under the scientific methods of the Miller System realize $20 to $60 per hen per year. Test at our risk, not yours. Show our guarantee to your lawyer.

MILLER SYSTEM CO.
15 Seventh Binghamton, N. Y.

Phosto

(REGISTERED)

A Scientific Preparation of Phosphates.

The 20th Century Product.

Why experiment? Medicine and dead chicks are costly. **Phosto** is the most effective vitalizer ever invented—20 years ahead of the times. **Phosto** contains those elements so necessary to the life of a chick, through the lack of which it has made it difficult to keep them on their feet ever since artificial brooding was attempted.

Don't have diarrhoea and you save the need of a cure; you can't cure it anyway. Weak, puny, slow feathering chicks simply lack **mineral, ash, phosphates. Phosto** supplies this and beautifully. Try it and see. You can no more than save a few chicks that would have died, and you will learn more in 20 minutes than you can gain in a whole life time experimenting.

Remember this, you need no **bone, bone meal, beef refuse** or **packing house products** to get either **fertility, hatchability,** or **livable chicks.** An every-day dictionary ought to tell you that **ash** builds bone and assists in assimilating other food. There is the whole thing in a nutshell.

MISS CAREY of ENGLAND, says:

Phosto is wonderful stuff for young chicks. I had three or four lots inclined to be leg weak. We tried several remedies, but they got worse; and, after losing about a dozen, I gave your stuff a trial. **In three days they were on their legs again.**

Order in $1 and $2 tins, prepaid, for **Poultry.** Literature free.

THE PHOSTO COMPANY
Norwood Park Chicago

on the roosts in the sleeping quarters, thereby naturally providing the very finest kind of a disinfectant and preventative of vermin. The breeding pens of this house consist of the best breeding Barred Rocks in both the cockerel and pullet lines that we have ever had the pleasure of seeing. In the cockerel matings we noticed male birds that would do credit to any show room and we were told among them were Madison Square Garden, Chicago and St. Louis first prize winners, as well as sweepstakes birds in a great many other shows. The dark females in the pens, with these standard males, were of the very finest quality imaginable. In opening up a few of the females we found that narrow distinct barring which is so essential in the production of high class exhibition males. In the pullet mated pens were some of the grandest females and they, like the males in the cockerel mated pens, were winners and descendants of winners since the world's fair in 1904. The pullet bred males in these pens were very conspicuous on account of their very even surface color and grand type. We could not see where any improvement could be made in the mating of any of these pens and each and every one of these breeding pens showed all that could be desired in Barred Plymouth Rocks.

It would be well to note here that in going over this array of breeding pens it was like visiting a large poultry show, and anyone interested in Barred Rocks will be more than repaid for visiting this plant, where more high class Barred Rocks can be seen than were ever seen at any poultry show we have ever attended. In other words, these breeding houses are a large poultry show in themselves. The finish and equipment in these breeding houses is the best that we have ever seen. Each and every pen is equipped with appliances which make a natural summer condition in winter; this is where the success of the poultry business lies and enables the Henderson Farm to produce large fully matured specimens for the early fall shows.

The two breeding houses above described are without a doubt the finest in this country and we say this without exaggeration, that it will pay anyone who is interested in Barred Plymouth Rocks to visit them.

Immediately off of these two large breeding houses, in the orchard, is located the storage shed for coops that are used on the range, and next to this is the house used for the brooding of chicks in large numbers. This house is 16 feet by 30 feet with an attendant's room in one end and a brood room in the other. No expense was spared in the construction of this house. From its appearance it is the only house that we have ever seen that was especially constructed for this purpose. Surrounding this house in the orchard are numerous colony houses on the growing range, which is well shaded by the apple orchard and affords an ideal condition for the growing of poultry.

We noticed the best system of watering we have ever seen on the growing range and were told that by this system the birds on the range are never without water and also very little labor was required to keep the thousands of birds that were grown on this range each year watered at all times. The system consists of casks and barrels,

INCREASE YOUR EGG YIELD

I have imported direct from Tom Barron of Catforth, Eng., a pen of S. C. White Leghorn Pullets mated to a Tom Barron Imported English Cockerel from a 260 egg hen. They are from the same stock as his famous 282 egg pullet which record was made in America in the International Laying Contest. No better breeding stock can be procured. Settings from this pen will produce blood lines that will **breed layers. Prices — $8.00 for 15 eggs. $15.00 for 30 eggs.** My 1914 importation of Tom Barron English Birds include a number of S. C. White Leghorn Cockerels. I have mated them with my best pedigreed laying birds. Hatching eggs from these matings, $3.00 for 15 eggs—$7.50 for 50—$13.00 for 100. **Rose Comb White Leghorns**—These birds are raised on my own plant and bred for high egg production. They are mated to strong, vigorous, extra white, egg type cockerels. **Prices**—$1.50 for 15 eggs—$3.50 for 50—$6.00 for 100—$50.00 for 1,000. Rose Comb day old chicks from these pens, $7.00 for 50—$12.50 for 100. Safe arrival guaranteed. **Full Blood White Wyandottes**—Write for prices on hatching eggs and day old chicks. **Free illustrated catalog,** containing prices and matings of high pedigreed breeding birds sent upon request. Write today.



LYLE W. FUNK Box 38 Bloomington, Ill.

Silver Wyandottes

"There is money in Silvers"

The Steinmesch Strain known the world over. EGGS FOR HATCHING, $5.00 for 15, $8.00 for 30 Circular free. Address

Henry Steinmesch, St. Louis, Mo.

NO MORE HATCHING EGGS

All offers previously made for the sale of hatching eggs for this season are hereby withdrawn as we will increase our capacity at least four-fold during the next 12 months. Fall hatched Ckls. ready in March, $3 each.

S. C. Buff Orpingtons

Variety leaders in two Egg Contests

CHERRY LANE FARM CO.
Box 148 Oak Hill, W. Va.

F. L. POULTRY FARM
Rose and Single Comb

Rhode Island Reds

Winners at all National Shows
STOCK AND EGGS FOR SALE
Satisfaction Assured

F. L. OBER R. F. D. 1 VERONA, PA.

People who know

the people who want the best are buying, not just "chicks" but ones that are guaranteed.

And that's what **you get** when you buy my Single Comb White Orpington

Day-Old Chicks

These chicks are the Aldrich Farm, Kellerstrass and Byers strain.

The price is reasonable, write me today—remember satisfaction guaranteed.

Order today for immediate delivery.

DR. J. J. BOONE
Mt. Victory Ohio

Champion White Runners

Our true Spencer strain White Runner ducks, lay very large, snow-white eggs—no green, or tinted, and outlay our Corning-Rancocas White Leghorns. Undoubtedly by far the greatest paying utility proposition, for farmer and back-lotter, extant. Strictly white duck eggs are what our large city bakeries want for cake and pastry making, at as high as 20c per dozen more than for best chicken eggs. We tell customers where to sell. Some strains of White Runners are descended from stock imported from Germany and are mixed with Pekin blood; consequently lay many green eggs—most undesirable—also considerably less eggs annually than true Spencer stock; developed in California by C. C. Spencer, through systematic selection, from Fawn and White Runners only as a basis, hence are true, racy Runner stock, superior in every way to "Fawn and White" Runners, which they are fast superseding. Our stock is descended from Chicago and New York blue ribboners. We warrant that every customer will be delighted and astonished. Very fertile fresh eggs, shipped prepaid: 12, $2.50; 24, $4.00; 48, $6.00; 100, $10.00. Leghorn eggs, just half, prepaid. Infertiles replaced once, free. Instructions for raising and handling sent to customers. Order direct from this ad. No delay, no waits, no letter writing. On our own $30,000.00 farm—paid for.

WHITE BEAUTY EGG FARM
ATWOOD, ILLINOIS

REDS R. C. Two 1sts and silver cup at Champaign. Won at Peoria and Bloomington, M. L.
W. F. GETZ Box 85 TREMONT, ILLINOIS

OAT SPROUTER $2.
For $2.00, including heating apparatus, you can make the simplest, most efficient and satisfactory Oat Sprouter ever constructed. You can operate it with less trouble, less fuss and less muss than with any Sprouter sold. A 14 year old boy can build it from my exact directions, with no tools but saw, hammer and auger. Send 10c for detailed plans and instructions for building. **I. Putnam, Route 105, Elmira, N. Y.**

TRIAL OFFER
50c in stamps or coin, we will send postpaid one Floridora gun filled with "INSECTOLENE." The old reliable blue powder—that will kill chicken lice, bugs, roaches, etc., together with booklet and full directions for use. Order now.
The Insectolene Co., Dept. P, P. O. Box 113, Chicago

Eggs by Parcel Post
Barred Plymouth Rocks, White and Brown Leghorns, Buff Orpingtons, White Wyandottes, Black Minorcas, Rhode Island Reds, and Indian Runner Ducks. Won over 300 prizes, specials and silver cups, at the largest shows north and south.
Eggs from these winners—$1.00 per 15, $2.00 per 30, $3.00 per 50, delivered free by Parcel Post. **Hermitage Farm, Box A, Hendersonville, Tenn.**

Birds That Win
Matings of White Orpingtons and White Plymouth Rocks, composed of Cleveland, Akron and Wadsworth, Ohio winners. Write for the list. Satisfaction guaranteed. Stock, $2.00 and up. Eggs $5.00 for 15.
Oscar C. Nicodemus, Wadsworth, Ohio.

ORPINGTONS
INDIAN RUNNERS
NONE WHITE BETTER
ROCKS

BLUE RIBBON
S.C. Buff Orpingtons
Only 4 pens mated, but each one is quality.
15 EGGS, $1.50 TO $5.00
Write for mating list.
Homestead Farm, Route 9, Springfield, Illinois

HILL'S HATCHERY "HEATHY HATCHED CHICKS"
Chicks
S. C. White Leghorns . . 12½c
S. C. Black Minorcas . . 15c
Barred Plymouth Rocks . 15c
Rhode Island Reds . . . 20c
White Wyandottes 20c
White Orpingtons 50c
HATCHING EGGS
Fourteen Years' Experience; Correspondence Solicited.
LOUIS V. HILL, 296 North Seventh St., NEWARK, N. J.

HOUDANS
Boston, 1914, Winners
In the greatest class shown I won: Cock 3, Hens 3-5-6, Cockerel 1, Pullet 5 and several Specials. Birds of my breeding also won here and everywhere.
COCKERELS FOR SALE EGGS FOR HATCHING
J. L. Metzler -:- Findlay, Ohio

KRUGER LEGHORNS
SEND FOR CATALOG

Eggs, Chicks. Large numbers pedigreed and trapnested, offer merits not to be found in the smaller poultry yard.
Kruger Egg & Poultry Producers
Ave. H Sallis, Miss.

BIRDS THAT WIN
Many of my customers have scored as high as 95½ points at leading shows.
They Are Fishel Strain White Plymouth Rocks
Eggs and stock—and the prices are very low. Write today.
B. E. GRAHAM Route 2 Manteno, Illinois

placed here and there, in the shade of the trees, with a wooden faucet in the bottom through which the water is allowed to drip into a slatted pan. These barrels are filled with water once a week and through this method fresh water is always available for the fowls.

The shipping room, which we next visited, is directly in front of the cockerel house, where every necessity for the proper shipment of birds and eggs, for hatching, is kept. The Henderson Farm is fitted in every particular for the breeding, growing and distributing of high class Barred Plymouth Rocks and from the detail that is carried out each day in the care of the great flock, it is not to be wondered at that the Henderson strain has gained such prominence throughout the world..

The farm has recently exported to Rio de Janeiro a large consignment of Barred Plymouth Rocks to take the place of those recently imported from England by the Brazilian Poultry Association. The farm is exporting a great many birds, and the business of the farm, throughout the United States and Canada has been very large. Last year the stock was sold down to the birds that were retained in the breeding pens. The business policy of the farm has been to furnish just a little better grade of Barred Rocks than can be obtained elsewhere for the money and when buying stock the customer is informed that if the birds do not suit in every particular, he is at liberty to return them and his money will be refunded immediately. This policy has proved successful for the reason that the records of the farm show that practically no birds have been returned, on account of being unsatisfactory. The guarantee on eggs is most liberal and we were told that every effort is made to satisfy the customer, at any cost, which has resulted in very few complaints from eggs shipped for hatching purposes.

The personality of the owner of this farm, Judge W. W. Henderson, is most impressive, and anyone who has ever visited the farm or done business with him, holds him in the highest esteem. He started keeping fancy poultry some 20 years ago, as a hobby, because of his love for chickens, and we doubt if there is any man in the western country today who has done more for the poultry industry than W. W. Henderson. We assure anyone that contemplates purchasing Barred Plymouth Rock stock or eggs, that they will get the very best of treatment and the best blood lines in Barred Rocks that it is possible to obtain in the Henderson strain.

At this writing the Henderson Farm catalogue for the season of 1914 is going to the press, and from the description we have of it, it will be one of the best catalogues ever issued on Barred Rocks. It is a combination catalogue mating list showing the advancement of Barred Plymouth Rocks since the World's Fair, 1904, where the Henderson Farm won First Prize Pullet, up to the Chicago Show of 1912, where they won first prize cockerel and grand champion male in the largest class of Barred Plymouth Rocks that was ever shown in the middle west, in competition with America's foremost breeders. The catalogue will also contain a bird's-eye view of this noted farm with a minute description, also a description of each individual bird in the 30 pens, which are mated for the season of 1914.

It will be worth more than the expense incurred for anyone who is interested in Barred Rocks to visit this farm, and those who cannot visit the farm personally should write for their 1914 catalogue mating list.

ATTENTION! Formula for killing all lice, vermin, etc. on the hen and in the nest for 25c silver.
R. H. Constable, Box 202, Johnstown, Pa.

168½ EGGS EACH
FROM 2000 HENS
That's what W. R. Thomas of Petaluma, Cal., received from his flock of hens in 1913. In 6 years use of the **Hogan Method** of selecting and breeding he raised the average from 100 eggs per hen to 155 in 1912, and increased 15 eggs per hen in one year.
He is only one of many.
The Call of the Hen
Tells you all about it
Send $2.00 to the Sonoma County National Bank, Petaluma, Cal., and get the book; return it after a week and get your money if not satisfied.

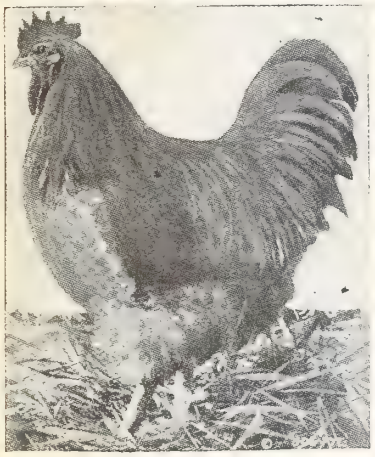


The "Signet" Aluminum Leg Band
Adjustable—Signifies Quality
Price 12-15c; 25-20c; 50-35c; 100-60c.
"**Silver Tip**" **Pliers** for applying all kinds of bands. Price 10c, 3c extra for postage. Mention A. P. J.
W. J. BALL, SALEM, OHIO


Pratts Prevent Pratts
Baby Chick Food **Loss** **White Diarrhea Remedy**
Without these two guaranteed protectives you cannot succeed with poultry. No other preparation is as good the first three weeks as **Pratts Baby Chick Food**—25c, 50c and $1.00—the only safe ration. Insures lusty growth.
To prevent intestinal troubles the one sure specific is **Pratts White Diarrhea Remedy**—25c and 50c. After they pass the early critical period they mature quickly into profit paying members of your flock.
Refuse substitutes; insist on Pratts.
212 **Satisfaction Guaranteed or Money Back**
Get Pratts '60 page Poultry Book
3529—**PRATT FOOD COMPANY**
Philadelphia Chicago Toronto

You Positively Cannot Raise More Than Half the Chicks You Hatch Unless You Use
Whiting's White Diarrhoea Remedy
Which is Fully Guaranteed to
Cure and Prevent White Diarrhoea, Chicken Cholera and Bowel Trouble
and to make your chicks
Grow Faster, Stronger, Larger
than any you have ever raised before.
Whiting's White Diarrhoea Remedy will enable you to raise practically every normal chick you hatch.
One 50-cent bottle treats 150 chicks and saves the 50 per cent of them that you have been losing right straight along.
Why go to the expense and trouble of hatching chicks just to let them die because you won't use Whiting's White Diarrhoea Remedy? Get a bottle today. Nothing else will do it.
50c and $1 a bottle.
WHITING'S ROUPENE
not only cures Roup, Canker, Diphtheritic Roup, Sorehead, Limberneck, Colds and Pip, but prevents contagion and makes quarantine unnecessary. Cure absolutely guaranteed or money refunded. **50c and $1 per bottle.**
WHITING'S POULTRY AND ANIMAL REMEDIES
At dealers or mailed by us on receipt of price.
NEW BOOK FREE
Write for it today.
O. K. Company
Dept. 39
157 Water Street
NEW YORK

JOE-PYE Orpingtons



"CHAMPION NEW YORKER"
Greatest Buff Orpington Sire and Show Bird in the World

Madison Sq. Garden
1913-14

1st and 4th Cock
4th Cockerel
4th Pen

In the last five years my male line has won 1st at the "Garden" four times. One of these five years I did not show, but two cockerels from eggs I sold, that year won 2nd and 3rd, beaten by an importation. This is an unprecedented record.

To this add my great win on males at the Palace, N. Y., at Boston and many smaller shows for the past three years and the fact is well established, beyond dispute that I have the strongest male line in the country. And it is a "line" I have bred—all related—not transient "sports" that happened to win but different birds of this line that have been awarded highest honors by many judges.

With this large winning at the largest shows, on males I bred, I am able this year to put together a most remarkable and consistent lot of matings. My free mating list describes pens in detail.

Guarantee on Eggs

I make the generous offer to replace all infertile eggs once free of charge.

JOE-PYE ORPINGTON FARM
HARRY STACEY BENTON, Owner
R. F. D. 5, SO. NORWALK, CONN.

"Growing Dollars With Oxygen."

That the subject of artificial incubation, and particularly that branch of the subject having to do with what is known as the "dead in the shell" chicks, is receiving more than passing attention at the hands of the poultry experts of the country is shown by the following extract from a lecture recently delivered by Dr. J. Oren Bearstler, president of the Pottsville, Pa., Poultry Association. He says in part:

"When I think of the handicap under which our American poultrymen have for years labored, by reason of the losses that have come from the 'dead in the shell' chicks, and its colleague in crime, 'white diarrhoea,' it is little wonder that so many of them have given up the business in disgust.

"As I reflect, how the Poultry World has for years paid a golden tribute to this scourge of poultrydom, amounting, no doubt, to hundreds of thousands of dollars—even millions—it is really to be marveled at, that so many of them have stayed in the game. It is little wonder, gentlemen, that this subject has received such extended and careful attention at the hands of the State experimental stations. I make the statement, believing it to be true, that the 'dead in shell' chicks have cost the poultrymen of this country more than a million of dollars annually.

"You all—or many of you—will recall when I invited you to my house to see the results of my first hatch with this Oxygen Vitalizer. You can all testify to the wonderful results that it produced. It is the value of Oxygen, or how to grow dollars with oxygen that I want to tell you about tonight. Oxygen and its use in artificial incubation, as a means for putting an end to the 'dead in shell' chicks is but an application of well known medical truths. In my judgment, its value in artificial incubation, is not half realized.

"It's possibilities are really undiscovered." We have only taken extracts from this very interesting lecture, and what we wish to say in connection with it is, that we will be pleased to furnish the booklet that Dr. Bearstler refers to, on application of all those who own or operate an incubator. Address Reliable Poultry Specialty Co., Alexander, N. Y.

Looks Good.

If you ever make a trip to West Virginia, be sure to stop over in Pine Grove, It is the home of ribbon winning R. C. Rhode Island Reds, owned by E. J. King. Mr. King has a long list of this season's winnings, but the latest one was at Wheeling, West Va., January show, when he won first cockerel, first pen, fourth hen and fourth cockerel. His mating pens are headed by these birds and his prices are very reasonable. Look up his ad. and write him at once. Address E. J. King, Pine Grove, West Va.

Raise large, healthy, quick growing chicks with **Beck's Economy Brooder Coop and Fireless Hover**—100 chick size. (The best outdoor lampless brooder on earth.) Build them yourself. Send 35c (no stamps) for plans and instructions. **RUFUS BECK, Box A-25, Sullivan, Wis.**



R.C.MINORCAS

First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free

G. A. Clark : Seymour, Ind.



POULTRY FLATS

Are Sure to Revolutionize Poultry Raising for Profit, Because:

1—You need no brooders, and these alone are a great expense.
2—Each Flat will brood and raise 600 chicks, and do it right.
3—Each Flat is a unit—a basis of calculation.
4—Each Flat will house and winter without fire 72 old birds.
5—All work is done under cover and you need not move three feet from one spot in doing it—no exposure to weather for man or birds.
6—Easily cleaned—no lice.
7—You can build one in your back yard.
8—Covers 24x36 feet and includes six runways. Can make runways as large as space will permit.
9—In the Flat you have everything you need, at one cost—a complete plant.
10—If you build a common, ordinary poultry house, your extras will cost more than an Ott Brooder and Winter House combined, and then you only have the old way.
11—One Flat will make you money right off the reel.
12—With a Flat you are starting right. One will make you money. Build as many as your time and means will permit. any one, who is at all handy with tools, can construct one.

Read the book "Poultry Flats" as written by Mr. Edward Amherst Ott, the man that knows and does. One man sold $800 from just one, on a back lot. The book also contains letters from those who have built in twenty-one different states. Read these. Send us 25c, that's all, and we will send you the book and the INLAND POULTRY JOURNAL for six months. This paper is known all over the world as one of the best,—so do this now and you will always be glad. Address

Inland Poultry Journal Co.
Indianapolis, Indiana

BUY A NEW BUFFALO INCUBATOR OR BROODER



Made by the BUFFALO INCUBATOR CO.

CHAS. A. CYPHERS, President

AN INCUBATOR OF STANDARD QUALITY AT HALF THE STANDARD PRICE

If you want to know how and why we do it, get our circular. There is a reason.

Hatches Better Than Others, Large or Small

February 24th, 1913.

Dear Sir:—Owing to the unsatisfactory working of my employer's Incubator, I was obliged to borrow one of your Buffalo Incubators from a neighbor here, Mr. L. Robey, and I am pleased to tell you that it enabled me to hatch out 100% of my first hatch, 88% of my second, and nine-elevenths of my third hatch. Mr. G. H. Dowse, my employer, now has ten of your large size machines.

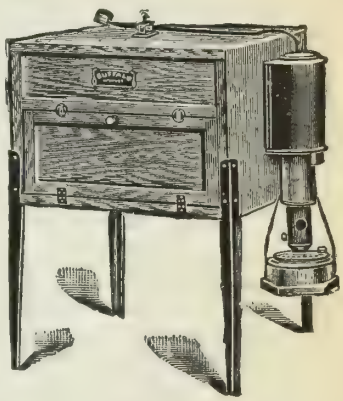
J. S. HICKEY, Wrentham, Mass.

November 19th, 1913.

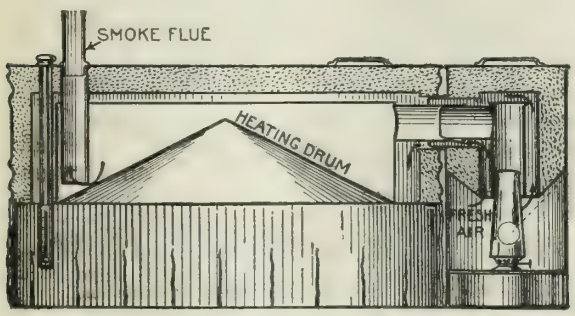
Dear Sir:—I have used the Buffalo in competition with other standard makes, and have found it so satisfactory that I am sending you my order for three more No. 3 Incubators. Please rush through at once. G. T. FORSYTH, Rutherford, Calif.

January 18, 1913.

Dear Sir:—I have been testing one of your No. 3 Incubators the past two seasons alongside of four other makes. It has given excellent satisfaction. I expect to add five or six new machines next month. L. G. COOLIDGE, Bolton, Mass.



He did, and so will you if you try a Buffalo. One agent in Australia ordered 1,000 Buffalo Incubators this year—his third season.



Buffalo Handy Hover, 100 Chick Capacity

The Buffalo Handy Hovers

The Buffalo Handy Hovers are just what their name implies.

The Buffalo **"Handy"** is a floor level hover. You can set it any old place.

Sanitary—All galvanized iron.

Heats Easily—Walls are heavily packed with good insulating material.

Uses But Little Oil—Flame burns with a white light, which indicates complete combustion.

Hottest at Outer Circle—Heat is brought lowest at that point.

Perfectly Ventilated—Heater is double with fresh air flue.

Handy—Just pick it up and set it aside to clean the floor.

Lamp flame can be seen without stooping. Lamp compartment or heater is attached to hover with "rolled edge slip joint," and is quickly detached for tending lamp.

Has all the good points of others, with thick walls and complete combustion added. Others are thinly insulated and are hard to heat. Other lamps burn a yellow flame, and waste oil. The Buffalo Handy Hover will heat 10 degrees hotter with the same oil consumption; and in a room too cold to use any other hover.

Send postal for fuller description.

BUFFALO INCUBATOR CO. CHAS. A. CYPHERS, Pres.

465 DeWitt Street **BUFFALO, N. Y.**

S. C. BROWN LEGHORNS

Winners at Buffalo, Dec. 1913

Our winnings prove our quality. We won: Cockerels, 1-3-4. Pullets, 1-3-4-5. Cock, 2. Hens, 2-3-4. Pen, 1. Display, 1. Selected Exhibition and Breeding Stock for sale. Eggs in season—the kind to please.

Rockfellow & Hubbard
49 La Fayette St., New Haven, Conn.

LAYING HENS LIKE THESE



ARE PRODUCED BY USING

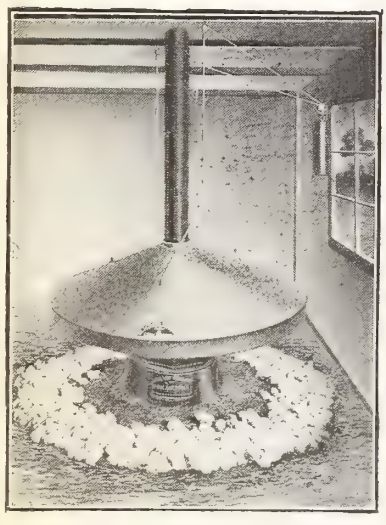
HINE'S MEAT SCRAPS AND POULTRY BONE

No successful poultry breeder can eliminate meat in some form from his chicken food. The meat scraps made by us is a highly concentrated protein food. It satisfies the natural craving of fowls for flesh food, insuring health, thrift and vigor—which means "laying hens." This meat scrap contains the necessary ingredients for building up "money-making fowls." Hine's Meat Scraps are endorsed by experiment stations and the world's largest poultry breeders. No matter if you own one or ten thousand chickens you need meat scraps. Just write us and we will send prices and a sample.

Sold on its merits.
If not satisfactory money refunded.

HINE BROS. CO.
Manufacturers
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Ideal Coal Stove Brooder



Send For Our Free Booklet
Describing the Ideal Coal Stove Brooder. Price $17, with Automatic Regulator $22.

Save money in raising chicks.

The Ideal Coal Stove Brooder heats poultry houses and broods large flocks, gives 97 per cent efficiency, in some cases as high as 99 per cent; no other system can equal these results. Coal burning and self regulating. Economical, safe and far superior to oil burners. No coal gas, no fumes. Small and large farms are using the Ideal with success. Investigate at once by sending for booklet—"The Merits, Economy and Effectiveness of the One Best Brooder."

The fire pot of the Ideal is the largest; will contain more coal and distribute more heat than any other make of Brooder.

LIBERTY STOVE CO.
Dept. J Philadelphia, Pa.

Another Satisfied Breeder.

The following letter tells its own story; read it, then write for prices:

The Hancock Inoculatum Co., Salem, Va., Gentlemen—It is more than likely that you will remember the correspondence I had with you the latter part of 1912. I think it but fair to tell you of my experience with "OCULUM" since that time. I followed your instructions to the letter with reference to small chicks this last year, and it is gratifying to report that I have not had a single case of roup, in fact no diagnosable disease, whatever, this year. I have used no other remedy and am pretty sure that "OCULUM" immunized my entire flock from the trouble I had a year ago, and I think I had, without doubt, the sickest looking lot of poultry that was ever well kept.

I never have nor ever will lose an opportunity to recommend "OCULUM." Very truly yours, F. W. Ziegler, New York City, Jan. 13, 1914.

It Is Beautiful.

Those three words express a great deal, but they do not do full justice to the catalog just issued by J. Courtney Punderford, owner of the Monmouth Farms, located at Freneau, New Jersey. Page after page could be written but when it was all said it would not express this piece of work. Beautifully illustrated with pictures of the famous "20th Century Dual Purpose Fowls," together with views of the different and numerous buildings, pictures of the new killing and packing buildings. It is complete in every detail, even to a full page picture in natural colors showing a few of these famous S. C. Buff Leghorns.

This catalog must be seen to be appreciated, and if you are in the market for eggs, chicks or stock of Buff Leghorn variety, you should have a copy of this book at once. Address, Monmouth Farms, Freneau Monmouth County, N. J.

Ruby Red.

That is the name of the strain of Rhode Island Reds, bred by Fred W. Oertel of Brighton, Ill. A visit to Mr. Oertel's farm will convince you that it is one of the most up-to-date poultry plants in Illinois. Besides his Ruby Reds he is specializing in Buff Orpington Ducks. He has some very rare quality in these, having won 1st and 2nd drake at the late Chicago Coliseum, this record out of two entries. I recently made a trip to his farm and was greatly impressed with his fine Ruby Reds in the mating pens. He has just issued a handsome catalog, full of rare bargains in stock and eggs. Just drop him a postal and you will receive a copy. Address, Fred W. Oertel, Brighton, Ill.—J. C. Johnston.



Stayon Aluminum Poultry Band
Smoothest and most secure. 25-20c; 50-35c; 100-60c; 200-$1.00 bill. Catalog, 5 samples 5c; no stamps.
American Band Works
Box 297, Canton, Missouri

PATENT your Inventions—



My expert, confidential service means real protection. Before applying for a patent, write for my booklet, "How to Save Money on Your Patent."

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THE BEST

White Holland Turkeys

We can supply you with Winners and selected Breeders. Headquarters for WORLD'S BEST.

CRESWELL & GRAY, R. No. 8, Fairland, Ind.

TRETHAWAY'S

Anthracite S. C. Black Minorcas

Are winners for his customers at all the leading shows in America. This year they are better than ever. A few grand specimens in Hens, Cockerels and Pullets for sale. You can always win with Anthracite Minorcas.

ARTHUR TRETHAWAY,
45 Parrish St., - Wilkes Barre, Pa.



ADJUSTABLE CLINCH — NO BETTER
Poultry Leg Bands Made
25, 20c: 50, 35c: 75, 50c: 100, 65c; 200, $1.00. No stamps taken. Frank Cross, Manufacturer, Box 506, Montague, Massachusetts

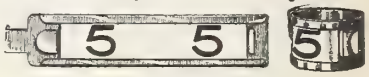
Airdales



The ideal dog for th Poultry Keeper or Suburbanite. Fine ratters, hunters and watch dogs. Not afraid of anything. Gentle and obedient to his master, kind and playful with children. Kennel headed Imported Tintern Perform—a trained hunter. Young and adult stock for sale. Write for particulars.

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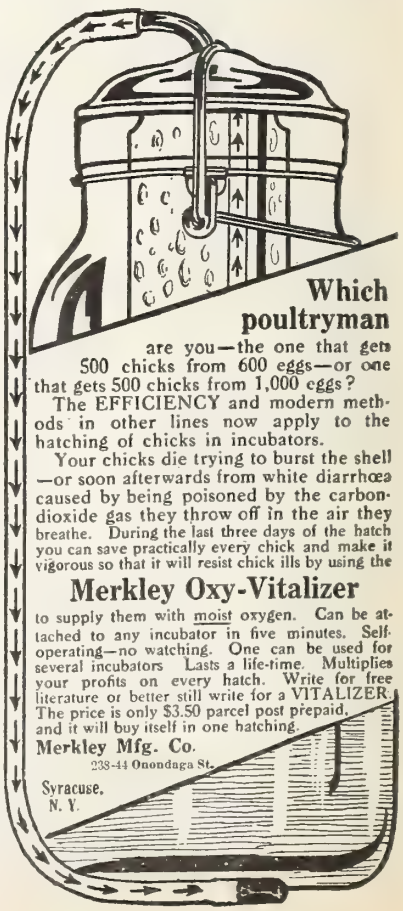


Patent Applied for.

Send two 1 cent United States stamps for samples and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each, $2.50 a 100.

Bourne Manufacturing Co.
Box M, Melrose, Mass.

STOP Chicks Dying In the Shell



Which poultryman

are you—the one that gets 500 chicks from 600 eggs—or one that gets 500 chicks from 1,000 eggs?

The EFFICIENCY and modern methods in other lines now apply to the hatching of chicks in incubators.

Your chicks die trying to burst the shell—or soon afterwards from white diarrhœa caused by being poisoned by the carbon-dioxide gas they throw off in the air they breathe. During the last three days of the hatch you can save practically every chick and make it vigorous so that it will resist chick ills by using the

Merkley Oxy-Vitalizer

to supply them with moist oxygen. Can be attached to any incubator in five minutes. Self-operating—no watching. One can be used for several incubators Lasts a life-time. Multiplies your profits on every hatch. Write for free literature or better still write for a VITALIZER. The price is only $3.50 parcel post prepaid, and it will buy itself in one hatching.

Merkley Mfg. Co.
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POULTRY PRINTING

Letterheads, Envelopes, Noteheads, Business Cards, Postal Cards, Shipping Tags, Mating Lists, Circulars, Folders, Billheads, Etc. Write us for Free Samples and prices before placing your order. We use up-to-the minute cuts, free. Kindly mention your breed

Thomas E. Clark & Co., 14 W. Fourth St., Michigan City, Ind.

IF YOU WISH "QUALITY" WRITE US



Brown Leghorns

Champions of North and South. 14 of my 17 birds won at biggest Brown show ever held in America at recent Chicago show. Get eggs from my All-Star matings of First Prize Winners at Chicago, Cincinnati, Birmingham, St. Louis, Indianapolis, etc., at reasonable prices and produce your winners like my customers are doing

H. V. TORMOHLEN, R. 2, Portland, Ind.

Suburban Strain

S. C. Rhode Island Reds

Bred to exhibit anywhere. Have won in all classes. If you want high class reds and don't care to pay foolish prices, then I can please you.

Stock, Eggs and Baby Chicks

E. K. EICHELBERGER

Box B Hanover, Pa.

King's Ribbon Winners
R. C. Rhode Island Reds

Eggs from two high class pens, $5 and $3 per setting of 15, ten of these hens as prize-winning pullets scored 92 to 94½ points. 1st prize cock and cock of 1st pen at January, 1914 Wheeling, W. Va. Show head these pens. Range flock eggs for incubator, 100 for $6.

EDWARD J. KING

Box 171 Pine Grove, W. Va.

Oxy-cur-it

Use **Oxygen—Nature's Remedy** in the prevention and treatment of all diseases of man, fowl or other animals. **Miraculous in Results.** The great new device. **The Oxy-cur-it** is a wonder-worker. Can use it to advantage on incubators. Will produce more and better chicks. Invented by Dr. S. A. Merkley of Buffalo, N. Y., the original inventor of oxygen devices for use on incubators. Send for literature.

OXY-CUR-IT CO.

Buffalo New York

Day-Old-Chicks
S. C. White Leghorns

Exclusively

Pen of 100 chicks . $10.00
100 eggs for hatching 5.00

50 high class pullets also 50 first class hens while they last, $1.00 each, or all for $95.00—a real bargain.

Good cocks and cockerels at $2.00 each.

CHAS. H. WHITNEY, DELTA, OHIO

A New Leghorn Star in Poultrydom.

A truly remarkable Leghorn winning when the number and quality of the class is considered, was that made by the Willows Farm, South Bend, Indiana, at the recent Indianapolis show. Frank E. Hering of Campine fame, is the proprietor of this farm, although it is conducted under the direct management of that sterling and experienced Leghorn breeder, Harmon Bradshaw.

At the time of the Coliseum show in December, Mr. Bradshaw had been on the plant only one month, and in consequence much of the young stock exhibited there was not as fully matured as he desired. Nevertheless even in the hot competition of the Coliseum, the Willows Farm was among the prize winners both in old pens and in young pens.

However, the lateness of the Indianapolis show February 2-7, afforded an opportunity for Mr. Bradshaw to get a large string of birds in prime condition and he entered 25 in competition. Out of these 24 were among the prize winners. Five out of six possible firsts were secured. The great cock bird Beau Brummel I, in addition to heading his first old pen, sired 12 of the prize winners! Among these was a pullet which we had an opportunity to examine and which many of the noted judges present say has established an unequalled record in a show of such numbers and class. She won first prize as pullet, and, in addition, won every special open to her in competition! This included best shaped female; best colored female; best headed female and best female in the entire Leghorn class.

Mr. Hering also had a cock bird sired by Beau Brummel I-that won first prize cock and three specials. This exhibit also won the award for the largest and best display of the varieties in the standard classification.

There has not been a better illustration in recent years of what a comparative newcomer in poultry raising can accomplish by application, interest and exercise of intelligence, than this winning shows. Mr. Hering bought his first pen of Leghorns about two years ago of a well-known breeder. The male had won first honors in New York. The next spring he introduced four new males in his flock, and since has had no new blood. As a result of careful mating and an observance of Mendelian laws he has produced birds that are unquestionably of a type to make old judges take notice. He has now in his breeding pens about 50 males and females that have won prizes at New York, Chicago and Indianapolis and it will behoove Leghorn breeders to pay close attention to the breeding and the conditioning of their birds at any show at which the Willows Farm exhibits.

Mr. Harmon Bradshaw, who is managing the plant is a Leghorn breeder of long experience and with his practical knowledge, and the whole-hearted interest and assistance given him by Mr. Hering, there is every likelihood that another big Leghorn plant will be developed here in the middle west that is worthy to be compared with the most famous Leghorn plants in the east.

Big Money Growing HELIANTI the new "wonder plant." Beats ginseng or anything else that grows. Thrives in any soil or climate. Write for full particulars. Burgess Seed Co., 3 A. J., Allegan, Mich.

Does It Ever Occur To You

that the success of poultry raising depends entirely upon the MEAT SCRAPS you use?

Maurer's Quality Meat Scraps

are pure and sweet and carry the recommendation of the foremost breeders. A postal brings you a valuable booklet. Sold direct and in any quantity. Also sold by Parcel Post.

MARTIN R. MAURER

Box A-112 Elizabeth, New Jersey

Black Langshans

Winners Grand Central Palace, N. Y., Augusta, Ga., Philadelphia, Pa., etc. Send for catalogue.

Dr. Peter Hicks, Bound Brook, New Jersey

A MILLION HENS USE

Wellcome's Famous

"Ideal" Trap Nest

Shows which Hen Laid the Egg

PLANS, TRAPS, RECORD SHEETS

F. O. Wellcome Box J Yarmouth, Me.
Write NOW for prices and proof.



Don't

Let your Chickens belong to the "I Didn't" class.

USE—

Mundee's Lightning Roup Remedy

The remedy that hits the spot and cures the bird. Used by the world's best breeders. Two sizes, 50c and $1.00 a bottle. Write for folder.

W. J. MUNDEE, - Libertyville, Ill.

We Strive To Do The Impossible—
Please Everybody

S. C. W. Orpingtons

OUR SPECIALTY

Winners at all large shows.
Baby Chicks and Cockerels
For Sale.
Eggs for Hatching.
Prices reasonable.

HEART'S DESIRE FARM

Mr. & Mrs. H. J. Bennett, Props.

Connersville, - - Indiana

They Win Again!

WARREN'S S. C. REDS

CROWTHER STRAIN

Cleveland, Grand Palace and Madison Square Garden, New York

5 mating pens headed by ribbon winners.
Eggs $5 to $15 per setting.
High class Cockerels $3.00 and up.
Birds shipped on approval, to be returned to us in 24 hours if not satisfactory.
Write for mating list.

Bell-Vista Farm -:- Mentor, Ohio

WETMORE'S WHITE WYANDOTTES

Are equal to the BEST. Under leading Judges, that are specialists on White Wyandottes, and in strong competition,

THEY WON AT

BUFFALO SHOW

1st and 3rd Pullet, 2nd and 5th Pen and 5th Cockerel in 1913, and 2nd Cockerel, 4th and 5th Pullet in 1914.

Splendid Winter Layers, the result of careful selection. A choice lot of Cockerels, Pullets and Pens for sale.

C. S. WETMORE

ABBOTT ROAD, LACKAWANNA, N.Y.

Light Brahmas

The Leading Winning Line

Have won for years at Madison Square Garden, New York, Philadelphia, Boston, etc. Our strain combines the best exhibition and practical qualities. Write us your wants.

BALCH & BROWN : Manchester, Connecticut

STOP! Golden--IMPROVED--Silver CAMPINES

Guaranteed pure white eggs that produce winning stock wherever shown. Owner and breeder of 2nd prize Silver Cockerel, Madison Square Garden, 1913. Breeding yards selected from over 500 Campines. Send for circular. **THE MARTLING HENNERY, P. O. Box 186N Ridgefield, New Jersey**

HOUDANS

The **"Famous Jimcrack Strain"** have won and have produced winners at our largest shows for years. Their records at Toronto, the Ontario Winter Fair, Boston, etc., prove their quality. Stock and eggs for sale. Write for circular.

HARRY TAYLOR, 82 Howard Park Ave. TORONTO, ONT. CAN.

The Oldest Flock in America; Bred for 23 Years

S. C. Buff Leghorns

Columbian Rocks

Bred 9 Years

The price and quality is right. Write me today.

J. Quincy Dawson, Dept. D, Coshocton, Ohio

Pagel Fountains and Hoppers



Water is cheap and plentiful. Poultry needs it and should have pure clean water before them at all times, served from our Sanitary Fountain.

Feed is high, poultry, rats and birds waste it. Supply your feed in our Sanitary, Non-Wasting, Non-Clogging Rat and Bird-Proof Hopper.

The two quality articles for the poultrymen. If interested inquire at your dealer, or write direct for literature and prices, with name of your dealer.

Pagel Poultry Supply Co., Lock Box 211 Rockford, Illinois

SURE CURE FOR POULTRY DISEASES OF ALL KINDS DISCOVERED AT LAST

SIXEAS GUARANTEED REMEDIES cure and prevent White Diarrhoea, Cholera, Roup, Canker and Colds. Remember my remedies cure where others fail and that I have handled and cured more chickens and turkeys, killed more lice and cleaned up more contaminated poultry premises than any living individual. My remedies are easily given in food and water and stop the further spread of disease as soon as given. **My Mustardized Egg Powders** make hens lay fertile eggs. Do not let your dealer substitute, but send for Sixeas Remedies: Cholera Cure 50c, Roup Cure 50c, Egg Producer 25c, Lice Killer 25c. Three lbs. Cholera or Roup Cure or 5 lbs. Egg Producer for $1 postpaid. Reliable agents and dealers wanted. **Geo. Sixeas, New Castle, Va.**



— SEE THIS NEW —

Poultry Band



The Kind That's Different

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. **Made for baby chicks and pigeons.** Free catalogue giving full particulars and prices.

F. A. MARSHALL

203 Bancroft Ave. - - Reading, Mass.

Sunny Jim.

You have heard of "Sunny Jim," the man who goes around scattering sunshine and brightness by just his pleasant smiling face. Well, Sunny Jim has a double, only his name isn't Jim; it is Gerald, and he hails from the town of Northfield, Ohio. We don't know the cause of Sunny Jim's pleasant smiling face, but we do know what makes Gerald that way.

You know his full name is Gerald Williams and when he isn't running around with that smiling face of his, he is managing the "Rocky Run Poultry Farm" and getting stoop shouldered from carrying away "blue ribbons" at the different shows. As we said before, we know how Gerald got hold of that smile that won't come off and we can't blame him a bit. A man who has won as many prizes the past season as he has, is fully entitled to walk around smiling and contented with the whole world.

At the Ohio State Meet, Cleveland, Ohio, the Rocky Run Farm's Buff Wyandottes won 1st, 3rd and 4th pullet; 1st, 3rd, 4th and 5th cockerel; 4th hen; 3rd and 5th cock; 1st, 2nd, 4th and 5th pen; both shape specials; color special and best display. This was a record of three times as many firsts as any other exhibitor. At this meet of Buff Wyandottes it is always the hottest contested and the hardest to win of any show in the country. The winning of pens means high quality and great skill in assembling. The Ohio State Championship Cup went with best display, and this called for the best class shown in Ohio. This makes two years in succession that these famous "Evergold Strain" Buff Wyandottes have won the Ohio State Championship.

You can begin to see why Gerald is called the double of Sunny Jim, but read on, there is more to come.

The greatest Buff Wyandotte show of the season, the one that carried the greatest honor, has the largest purse and best birds is the annual meet of the Buff Wyandotte Club. This event draws birds from all over Canada and the United States. This is caused by the fact that the best display carried away the National Championship Cup, awarded by the American Buff Wyandotte Club, for the greatest number of points won on the best cock, hen, cockerel, pullet and pen. At this event held in Rochester the "Evergolds" won 1st and 6th old pen, 4th young pen, 1st and 7th hen, 9th cock, 3rd and 5th cockerel, 3rd pullet, best shaped female, best display and grand championship Trophy Cup given by the club. This is the best prize that can be won and it makes the second time it has been captured by "Evergolds."

No, that is not all, here are a few Evergold wins at the Madison Square Garden: 1st pen, 1st cock, 1st and 4th hen, 4th cockerel, 4th pullet, special for best colored male, best colored female, best shaped male and best display. A record of three times as many "blues" as any other competitor. This 1st prize cock is a wonderful bird, so much so that the Rocky Run Farm has taken an actual photograph of him, made directly in the camera showing natural colors, untouched by hand; one of these new method pictures showing this wonderful bird "Star of the Season," goes with the Rocky Run Farm's elegant illustrated catalog, which also gives the correct method for feeding and breeding Buff Wyandottes. The price of this big book of knowledge is 20 cents, stamps or coin.

If Buff Wyandottes are on your mind, get Gerald's prices, he can supply you in stock or eggs—no order is too large or too small for his careful attention. Write for free circular and mating list. Address, Rocky Run Farms, Box 50, Northfield, Ohio.

50c THE SIMPLE TRAP NEST 50c

Separates the drones from the layers. Made in a few minutes from a common box or egg case, by attaching the simple device I send you. A cheap, practical trap nest that cannot get out of order. Send 50c for complete printed and illustrated instructions and device for making your own trap nests. Nothing else to buy. **Geo. A. Blood, Bellwood, Ill.**

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NEW YORK WINNERS

HATCHING EGGS! Send for
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Is Guaranteed to CURE Roup or White Diarrhoea, or Money Back.

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The everlasting layers and sensational beautiful fowl. Winners of leading shows for 1912 and 1913. I won five first Chicago and four first at Freeport, Ill. Write for price list on eggs.

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RAISE EVERY CHICK on "HEN-E-TA-HEN-O-LA" The *Phosphatic*-System!

The more phosphorus in the egg and the more phosphorus in the egg-shell, the greater the fertility, the better the hatch and the hardier the new-born chick.

The Hen-e-ta-Hen-o-la System eliminates all bowel-trouble; reduces mortality to a minimum; grows and develops the chicks faster and cheaper into strong, rugged, healthy "egg-producing" birds.

Ask your dealer or write us for new booklet, entitled: *"The Successful Way to Grow Little Chicks."*

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Over 43 prizes and specials in the Garden. 4 firsts on Rose and first on Single Comb Brown cock in one year.

The two best strains of Browns bred. They win. They are large and lay up to 242 eggs to a pen. Large eggs.

Breeding and show stock. Egg $2, $3 and $5 per 15.

Rose Comb White Leghorns—Large white birds, large eggs, 244 eggs to a pullet best record. Winners.

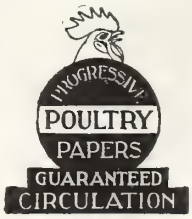
Single Comb Whites—236-egg strain. Plenty of white low-tailed cockerels.

White Wyandottes — Duston and Regal. Cup winners.

Barred Rocks — Bradley. S. C. Reds — Tompkins. Catalog.

W. W. Kulp, Box 70, Pottstown, Penna.

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Modern advertisers rightfully expect the publications in which they **buy** space to guarantee and prove the circulation of each and every issue. Certain such papers are known as the **Progressive Poultry Papers.** Each publisher of such paper is progressively atriving to furnish their readers with live, scientific, up-to-date reading matter and agrees to prove his circulation, promote and protect the advertisers interests by refusing objectionable advertising. It will pay advertisers to get acquainted with these papers. For list of papers, rates and circulation information address

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LOOK FOR THE
Michigan Poultry Farm
Day-Old Chick Announcement
IN THIS ISSUE

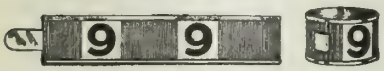
Partridge - Plymouth Rocks
Black Langshans

Winners at New York, Philadelphia, Hagerstown, Williamsport and Baltimore. 20 pens of Mated Birds for quality production, 500 Utility Birds on open range. Eggs from Mated Pens, $5.00 per setting. Eggs from Utility Birds, $3.00 per setting. Circular on application. **TONY TANK FARM, Salisbury, Maryland. C. G. Heebner, Manager.**

We Have a Big Proposition for You



If you want one portable house for keeping a few chickens on your back lot, or if you wanta number of colony houses, do not fail to write for circulars and prices on portable chicken houses. Many styles and sizes. Shipments made from coast to coast. Prices $9.00 to $50.00. Write for circulars to-day. Mention A. P. J.
The Lytle Lumber Company, Deshler, Ohio



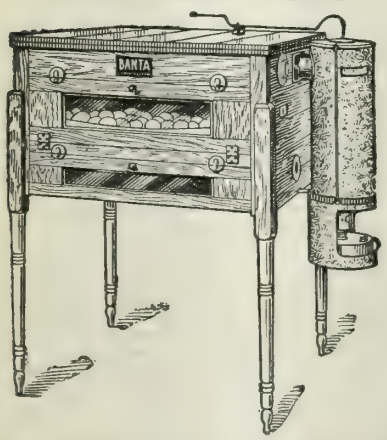
COLORED LEG BANDS
Big Black Figures on White Background.
All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.
A. P. Spiller : Dept. A : Beverly, Mass.

Corning Feed Mixer



The most thorough, quickest, Mash and Grain Mixer made. It whirls the materials around, and back, and forwards, so that every particle is thoroughly mixed. Absolutely no other mixer to compare with the **"CORNING"** in any way. 3 sizes—**HAND POWER**, capacity 12 quarts, $15.90; **HAND** or **POWER**, capacity one bushel, $50.00; two bushel capacity **POWER MIXER.** $75.00. Every breeder of any size needs a real mixer, a Corning Mixer. **It saves time, feed and money,** and gives so much better results from your flock than you can secure in any other way. **ILLUSTRATED CATALOGUE FREE.** Write today.
WILSON BROS., Dept. C. C., Easton, Pa.

THE BANTA INCUBATOR



Highest Quality Produced
NONE BETTER AT ANY PRICE
CATALOG FREE ON REQUEST
The Banta & Bender Co.
600 Third Street Ligonier, Indiana

Still They Win.

If the time ever comes that you fail to hear of the famous "Fisheldottes" winning a blue ribbon at any show where they are exhibited, mark it down; there is but one reason, the show was "not issuing blue ribbons."

The late Cincinnati Show was the greatest ever staged in that city and when it came to awarding ribbons, those White Wyandottes of J. C. Fishel and Son, sure did sit up and take notice, winning first in everything.

Here is the complete list, look them over, 1st, 2nd, 3rd, 4th cock; 1st, 2nd, 4th hen; 1st, 2nd, 3rd, 4th cockerel; 1st, 2nd, 3rd, 5th pullet; 1st old pen, 1st, 2nd, 3rd, 4th young pen; sweepstakes for best cock bird in American class; sweepstakes for best pen Wyandotte class, besides several cups and specials. A great record won by some great birds. Look up their ad in this issue.

Partridge Plymouth Rock Club.

At the recent meeting of the Partridge Plymouth Rock Club of America, held in New York at the Madison Square Garden, the following officers were elected: President, C. M. Bird, Meyersdale, Pa.; Vice-President, W. F. Presgrave, Salisbury, Md.; Secretary-Treasurer, Paul Klingbeil, Walpole, Mass. Executive Board: C. M. Bird, W. F. Presgrave, Paul Klingbeil, Charles E. Bird, W. D. Campbell.

The next meeting will be held in Baltimore, Md.

Mr. Charles E. Bird, also a member of the Western Club, spoke about consolidating the Western and Eastern Clubs, every one present was very much in favor of it, and it was left to the Secretary to get in touch with all members to see what could be done regarding this matter. If you are interested write to the Secretary, Paul Klingbeil, Walpole, Mass.

Trouble at Tampa, Fla.

The following item was mailed to us by one of our subscribers. It was taken from the Tampa Daily Times:

"A warrant was yesterday sworn out for J. H. Wendler, secretary of the Florida Fanciers' Association, who left the city after the show without making an account of the funds collected for the gate at the show, nor of the money he had received as donations from business men.

W. T. Morgan, a member of the executive committee, and one of the first members of the Association, made the affidavit to the paper, charging Wendler with embezzling something like $3,000. The exact amount cannot be learned, as the secretary has the books in his possession."

FLORIDA POULTRY AND FRUIT GREAT COMBINATION
Best land on Peace River. Low price. Joins own big farms. Help wanted. **Farwell & Sons, 63 Fenelon St., Dubuque, Iowa.**

BUFF WYANDOTTES
EXCLUSIVELY
EGGS from four good pens of solid buff birds.
O. A. Browne, 2217 Latham St., Rockford, Illinois

Plow the Yard



Every real poultryman knows how easy it is for the yard to get hard and sour. Don't you think it would do your chicks good if you would turn the soil over frequently? This
IRON AGE **Wheel Plow**
will do it easily. Costs **$2.50** only. Can work in your garden with it, too. Plows in most soils, opens and covers furrows and ridges growing crops and you can use on it cultivating teeth, scuffle hoes, etc. Other Garden Drills and Wheel Hoes up to $12.00. Ask your dealer about them and write us for booklet, "Gardening with Modern Tools," and copy of Iron Age Farm and Garden News.
BATEMAN M'F'G CO.
Box 1193
Grenloch, N. J.

ANCONAS
Winners STATE CHAMPIONSHIP CUP State Meet Ancona Club of America, at Paterson, N. J., November, 1913. At State Meet, same club Grand Central Palace, N. Y., SPECIAL FOR BEST ANCONA IN SHOW. Also at Madison Sq. Garden, Philadelphia, and Augusta, Ga. STOCK, EGGS, BABY CHICKS. Write TODAY for Catalogue. **DR. PETER HICKS Bound Brook, New Jersey**

Money Making Poultry



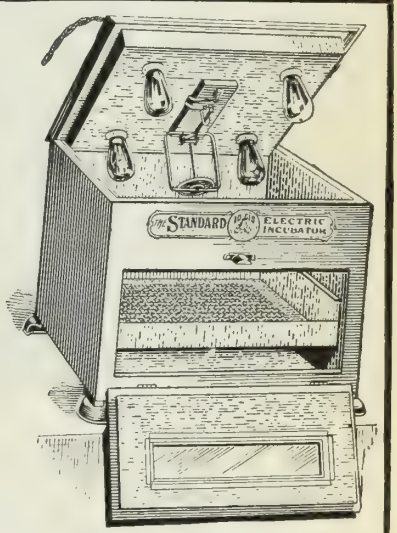
Our specialty. Leading varieties, pure bred chickens, turkeys, ducks and geese. Prize winners. Best stock and eggs. Lowest prices, oldest farm, 29th year. Fine catalog FREE.
H. M. JONES CO.
Box 152, Des Moines, Ia.

"The Complete Records of the 20 Best Baby Chick Raisers in America."

That's the title of a book we want to send you—**FREE.** It tells in an interesting way how twenty people solved the problem of raising baby chicks successfully.

These twenty live in different sections of the country and had to cope with varying conditions. Their stories are instructive therefore, as well as interesting. The book is FREE. Send for it today.

RANCOCAS POULTRY FARMS
Box 512-C Brown's Mills, N. J.



Electrifying the Poultry Business
Lo-Glo Electric Incubators

BUILT of **steel.** Run by Electricity. **No danger** of fire or explosion.

Absolutely Automatic Control of
Heat Moisture Ventilation

The Lo-Glo Incubators embody in the highest degree every qualification for the successful hatching of a strong, vital chick from every hatchable egg.

Being **all steel, oderless, smokeless, sweet and sanitary,** and fool proof, Lo-Glo Incubators can be operated in any room in the House, any Building, Apartment, Office or Store.

Sizes, 50 to 300 Eggs. Prices no higher than for other standard machines.

LO-GLO ELECTRIC HOVERS, from 50 chicks up to any number.

If you have, or can get, electricity on your place, don't fail **FREE BOOKLET** illustrated, to write for and learn how easy and pleasant it is with electricity to have big batches of strong, vigorous, healthy chicks. Write to-day.

Standard Electric Incubator Co.
76 Greenwich St. New York

"For All Poultry Raisers."

For many years there has been a need for a small hatcher of some kind that would answer the want of the large or small poultry raiser alike, and the W. F. Chamberlain Feed & Incubator Co. of St. Louis, Mo., seem to have solved the problem. They have placed on the market this season a very neat machine that is very attractive and is a successful hatcher as is shown by letters from persons that have used their machine. It is in the form of a setting hen, and is equipped with all the usual parts of large machines. Their advertisement in another part of this paper shows a cut of the incubator and further information regarding Chamberlain's Setting Hen will be sent to any one addressing them at 107-109 Olive St., St. Louis, Mo.

Elmer C. Hilborn.

Down in Royersford, Pa., is the home of some of the best Columbian Wyandotte breed; it is the farm of Elmer C. Hilborn, a gentleman who works morning, noon and night with but one goal in view, and that is perfecting Columbian Wyandottes.

At the late Philadelphia show Mr. Hilborn did not enter any hens, but he did enter cocks, cockerels and pullets, and when the ribbons were awarded he captured 2nd and 5th cockerel, 3rd cock and 3rd, 4th and 5th pullet. Mr. Hilborn has just issued a mating list, write him for a copy. Address Elmer C. Hilborn, Route 1, Royersford, Pa.

A Bargain Sale.

In this issue you will find a regular "bargain sale" offered by Charles H. Whitney, of Delta, Ohio. Mr. Whitney breeds S. C. White Leghorns exclusively and if you are interested in this type of fowl, be sure to read his ad. for the prices will surprise you.



Where the Money Comes From.

It is only comparatively recently that any attention has been paid to purely utility strains on this side of the water—although English breeders have been engaged in the attempt to produce heavy-laying proclivities by selective breeding for some 20 years past. Foremost among English utility breeders is Tom Barron, of Catworth, near Preston, who has achieved an international reputation by producing the 200 egg hen—not as an occasional freak, but as a dependable strain that can be relied upon to back up the 200 egg claim.

Perhaps the most notable pen that ever went out from the Tom Barron Farm was the entry in the 1913 International Egg-Laying Contest, illustrated above. This remarkable group of birds, ten in all, made the wonderful total of 2,073 eggs, seven hens laying over 200 eggs each—258, 246, 243, 226, 219, 219 and 208 eggs respectively. These totals do not include at least 150 soft shelled eggs, which would have made the average considerably higher. This pen is composed of birds that are full sisters of the winners of the Philadelphia North American contest, 1913, held at Storrs, Conn.; this latter pen also took the cup and the record of 1190 eggs (five hens) with an average of 238 eggs per hen.

The illustration shows but one of several prize-winning pens now in the possession of the Pennsylvania Poultry Farm, at Lancaster, Pa., an establishment now considered to rank among the foremost breeders of utility fowls in America. Although specializing in White Leghorns, of which breed the birds referred to above are splendid specimens, Messrs. Scheid & Ream, the proprietors, have also developed remarkable heavy-laying strains in White Wyandottes, Buff Orpingtons and S. C. R. I. Reds, having imported many pedigreed fowls from England with a view to offering the very best obtainable to American breeders.

THORNILEY'S ANCONAS Specialty Breeder of The Best Single Comb in America
SHOW STOCK, CHICK EGGS AND LINE-BRED WINTER LAYERS FOR SALE REASONABLE. CIRCULAR FREE.
WILLARD J. THORNILEY R. D. No. 1 Box 36 MARIETTA, OHIO

SENSATION STRAIN R. C. REDS
WON AT BUFFALO, 1913—2 Cock, 2 Pullet. ASHTABULA—1-2 Cockerel, 1 Pullet, 1 Pen, 4 Cock, Best Display. CLEVELAND, 1914—4 Cockerel, 5 Cock. hese winners in pens, mated for Egg trade. Choice stock for sale. **H. H. HOLMES, 49 Lockwood Street, Ashtabula, Ohio.**

McCabe's S. C. Black Orpingtons Won at **Ohio State Show** 14 1st ck., 1st & 2d ckl., 1st, 2d, 3d and 4th hen, 1st pen **Best Shaped Male** and **Female.** More points than all other exhibitors. All varieties competing. **Cincinnati,** Dec. 13—Won on 5 entries, 1st ck., 2d & 4th ckl., 3d & 4th hen. The wonderful cock, **Tommy, Jr.,** winner of 1st ckl, **Ohio State Show,** 1913, 1st ck, at same show, 1914; also 1st Cincinnati ck., Dec. Heads one of my best pens. Choice stock for sale. **SYL. T. McCABE, 535 4th Ave., COLUMBUS, OHIO.**

GET READY FOR **THE GREATER BUFFALO SHOW** THANKSGIVING WEEK 1914 PREMIUMS PAID IN GOLD

Blue Andalusian Club of America.

After many months of incessant labor, the Andalusian Breeders of America find themselves backed by a real live Club to promote their interests and to advance those of this useful and beautiful fowl.

This Club is the result of a meeting held in connection with the Grand Central Palace Show, and another at the Coliseum in Chicago. At the last named show, a permanent organization was effected and plans made to make this one of the best specialty Clubs in the United States.

Mr. L. C. Taylor, of Gibsonburg, Ohio, was selected to act as temporary Chairman, and the new Club organized under his guidance. It was decided to offer Club ribbons at all shows where our members compete and silver trophies at National, State and District meetings of this Club.

Officers have been selected with great



SECOND PRIZE COCKEREL CHICAGO, 1912.
BRED AND OWNED BY
MRS. ALICE PAWSON, BIG ROCK, ILL.

care, they being breeders of long experience, as well as exhibitors. The following were selected to serve this Club until 1915: E. D. Bird, President, Greenwich Conn.; Theo. Hollister, Vice President, Duluth, Minn.; F. L. Garnett, Nottingham, Ohio, Second Vice President; H. L. Peck, Secretary-Treasurer, Champaign, Ill. Executive Committee: J. R. Huddleston, Los Angeles, Cal; V. H. Councill, Warrenton, Va.; Mrs. C. Tuthill, Waverly, N. Y.; Mrs. L. C. Boggs, Bloomington, Ind.; L. C. Taylor, Gibsonburg, O.; R. Treweek, Denver, Colo.; W. G. Kohl, Iowa City, Ia.; C. C. Stauffer, Telford, Pa.; J. E. Bliss, Clinto, Conn.

The new Club wants to be of assistance to you, and will appreciate your co-operation. Its officers answer letters promptly and will be glad to hear from anyone interested in Andalusians. Write the Secretary.

American Buff Leghorn Club.

At the annual meeting of this club, held in Chicago, the following officers were elected: President, F. A. Tecktonius, Racine, Wis.; eastern vice president, Josiah Fitzuth, Chester, N. H.; western vice president, Wm. J. Moore, Spokane, Wash.; northern vice president, W. H. Boyle, Jubilee, Vancouver, B. C.; southern vice president, H. W. Clark, Maryville, Tenn.; middle vice president, Frank S. Smith, Hamilton, Ohio; secretary and treasurer, Geo. S. Barnes, Battle Creek, Mich.; executive board, Len Lanius, Chris H. Leitner and A. G. Barlow.

Extra efforts will be put forth at the shows next season to interest more breeders to show, by offering silver sets, cups and ribbons. The club has just issued a valuable book of 80 pages telling all about the winter layers of large, white eggs that are unexcelled by any breed of fancy fowls, and the book is free for asking.

The Great Leghorn Farms

At the **Great Ontario, Guelph,** December, 1913, our winnings were: R. C. Browns—3d Cock, 1st and 2nd Hen, 1st Cockerel, 1st Pullet. S. C. Buffs—1st Cock, 1st Pullet, 3d and 4th Cockerel. S. C. Brown—1st Cock, 7th Cockerel. **At Buffalo,** December, 1913: S. C. Blacks—2nd Cock, 1st and 2nd Hen, 3d and 4th Cockerel, 5th Pullet. We have a fine lot of birds for sale—Cocks, Hens, Cockerels and Pullets. **Eggs for Hatching.** Send for circular.

Henderson & Billings - - St. Marys, Ontario



Here's the Breed for Flesh and Eggs

WE have devoted 10 years to specializing on S. C. Buff Orpingtons and scientifically line-breeding to develop a strain that not only wins the first prizes in the leading poultry shows but also excels in size, fine buff color and as heavy egg producers. Our cockerels make fine, juicy broilers and capons.

Sunswick Farm S. C. Buff Orpingtons

are ideal fowls for the *utility* poultry farm as well as for the poultryman who desires birds that will win for him in the hottest competition at the shows.

Our Record of Winnings at the Big Shows

Sunswick Buff Orpingtons have won the majority of first prizes on this breed at the leading shows each year since 1907. We have 1,000 choice yearling fowls now in stock which will make you fine exhibition or breeding birds.

Eggs for hatching and Day Old Chicks from our choice pens. Prices very reasonable—quality considered. Book your order early.

Sunswick Poultry Farm
RUFUS DELAFIELD, Owner
Box J
South Plainfield New Jersey

Write Today for Free Catalog

We have a large, beautiful catalog which will be mailed free to anyone interested in a profitable breed for either exhibition or utility purposes. Send for it today. ***We specialize in S. C. Buff Orpingtons and Buff Orpington Ducks.***



DON'T KILL or sell your laying hens

Use the **Potter System** and pick out the layers from the loafers and diseased hens. Keep only healthy laying hens. The **Potter System** is a secret and the greatest discovery of the century in the poultry world on the subject of Egg Producing Hens. Used by over 50,000 satisfied poultry keepers, who are saving dollars every year. Our new 100-page Potter System book, **"Don't Kill the Laying Hen,"** contains the secret and knowledge about laying and non-laying hens. It's a revelation to poultry keepers, and you will learn how you can use the Potter System on your flock, keep less hens, get more eggs and make more money using it. Write today, sending two red stamps to cover postage on our large catalog and circular telling all about Potter Poultry Products made for Particular Poultry People. If you are particular and want to make more money on your ock, you will write us today.

DON'T BUILD

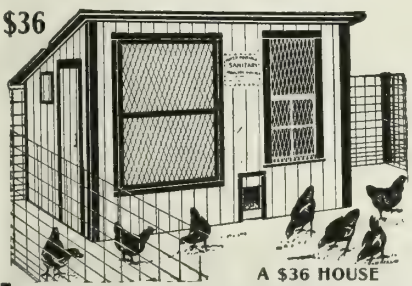
YOU can buy better, cheaper, more complete ready (factory) made hen-houses, roosting and nesting fixtures, coops, etc., from Potter & Co., because they buy lumber in carloads, cut and fit all parts perfectly by automatic machinery and deliver the house, coop or fixture you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures

Portable, Sanitary, Inexpensive

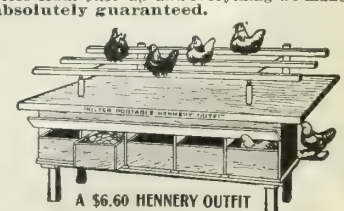
Have been on the market for over ten years and are used and recommended by thousands of poultry keepers who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a Potter portable with complete outfit of roosts, drop board and nests. A clean, sanitary house means healthy hens and lots of eggs. The fresh air sanitary house shown here is only one of the twenty styles of houses and coops we make ranging in price from $3.50 up and everything we make is **absolutely guaranteed.**

$36



A $36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5-ft. 3 perch complete hennery outfit for 30 hens. Price of complete house, $36. Painted 2 coats.



A $6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter hennery outfit for 36 hens. This same style made in 12 sizes.

Send for Our Big Catalogue

Contains 132 pages and over 150 illustrations showing Potter portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, feeds, etc.—in fact everything the poultry keeper needs to insure the greatest success. Catalogue mailed for two red stamps to cover postage. Write for it today and save money.

T. F. POTTER & CO. Box E-21, Downers Grove, Ill., U. S. A.

Drinking Fountains

Protect your fowls from their own contamination and supply them with fresh, pure water at all times. We have these fountains in all sizes. Prices, from 15 cents for quart size to $2.25 for 4-gallon size. Sold under positive guarantee of money refunded if not satisfied. Send for catalogue today.

SIMPLEX SUPPLY HOUSE, Pontiax Building, CHICAGO, ILLINOIS

Illinois Red Farm

Win in 8 of the best shows in Illinois, 30 Firsts, 25 Seconds, 20 Thirds and 10 Fourths, Club Ribbons and 10 Silver Cups, with other prizes on my S. C. Reds. We have 6 of the best pens mated for this year's egg trade we have ever had. We sell from all pens. Write me.

F. E. Gapen, Prop. **Lostant, Illinois**

Clean **Sharp**

Grit That Grinds

Fill your hoppers with our pure, hard flint rock with the sharpest of edges. Is washed thoroughly and screened so there is no waste.

Made in three grades—No. 1, grown chickens; No. 2, young chickens, and No. 3, baby chicks.

If your dealer cannot supply you, send us his name and we will ship you either grade at 50c per cwt., 200-pound lots. Write us today.

INDEPENDENT GRAVEL COMPANY

Webb City, Mo. Box 387 **Joplin, Mo. Box 70**

Sanitary **Economical**

Ready, Our 10th Annual Mating List

CRAMER'S REGAL REDS

Rose Comb Rhode Island Reds Exclusively

5 Elegant Pens 5

All mated to high scoring male birds. Birds all good deep red with good markings. Genuine Bean and Prickett stock, carefully bred for past 10 years. Eggs, $3.00 per setting, 2 settings $5.00. Send for mating list.

Cramer's Red Feather Poultry Yards **Box A, Eagleville, Missouri**

DEMGAR'S S. C. WHITE ORPINGTONS

Win First and Second Cockerel at New York State Fair, Poughkeepsie Fair, Jersey City and Albany. At Albany our Cockerel won Special Prize for best Orpington Cockerel in Show, all classes competing. They are heading our pens. Eggs for March and April, $3.00 per 15. Baby Chicks, 30c each. Mating List sent. Mention American Poultry Journal.

Mr. and Mrs. P. A. Demgar, Box A, Brown Station, N. Y.

PITTSBURGH WINNING WHITE ROCKS

Eggs for Hatching From Selected Matings, $5.00 per 13

My Record at this Great Show is Cock 1, Hen, 2-3-5, Cockerel, 4, Pullet, 3, Best Display, etc. My birds have been winners for years. Can fully satisfy you with quality. Send for list.

Lester T. P. Reinecke, 86 Woodlawn Ave., Crafton, Pa.

Rural Ridge White Rock Farm

Winners at Pittsburgh, Pa., February, 1914

In a large, strong class I won Cock 4, Hen 1, Cockerel 3, Pullet 1st. At the Pittsburgh Expo. Show, Jan. 1914, I won Hen 1-5, Pen 4th, in class of 17 birds. Stock For Sale. Eggs for Hatching. My birds have bone and size, are white and bred for great layers. Circular free.

C. W. VOSKAMP 3rd and Ferry Sts., PITTSBURGH, PA.

Golden Buff Orpingtons

I claim to own the two best breeding pens of S. C. Buff Orpingtons in the State. Bred and raised by me. My winnings at the 1914 State Show will speak for themselves. Six years a Specialist. Eggs very reasonable. Send postal for mating list.

A. B. PORTER **Box 4** **LA SALLE, ILL.**

EG-O — MILK — ALBUMEN

MAKES MORE AND LARGER - EGGS - BIGGER AND BETTER CHICKS

55 to 60 Per Cent Protein

MADE FROM MILK

Unequalled as an Egg Producer

INNIS SPEIDEN & CO.

Established 1816

Send for Circulars Address Room 100

120 W. Kinzie Street, -:- Chicago, Illinois

A. P. A. of California.

At the recent annual meeting of this Association, held at Fresno, the following officers were elected: L. C. Byce, Petaluma, President; C. G. Hinds, Oakland, First Vice President; R. J. Venn, Fresno, Second Vice President; H. W. Kruckleberg, Los Angeles, secretary; M. E. Dillingham, San Gabriel, Treasurer; Executive Committee: Charles R. Hacker, San Jose; W. S. Macy, Santa Barbara; Bur N. Woodhull, Stockton; L. N. Cobbledick, Oakland; Joseph E. Davis, Los Angeles.

A committee of three, W. H. Ingram, H. W. Kruckberg, S. O. Lindgren, were appointed to solicit funds for the 1915 convention of the American Poultry Association, which will probably be held in San Francisco.

Mr. Byce returned home on Saturday evening delighted with the convention. This is the fourth consecutive year that he has been elected President and he received a larger vote this time than ever before, showing that his good work is appreciated.

American S. C. White Minorca Club.

The 1914 year book of the American Single-Comb White Minorca Club is now ready for distribution. The Club is in a growing and prosperous condition, having more than doubled in membership,



SCHOOF'S PRIDE.

Heads yard No. 1, weight 11 lbs.; winner of four blues this season. Absolutely solid buff in every section. Owned by W. C. Schoof, Imlay City, Mich.

and S. C. White Minorcas are making big strides in gaining public favor.

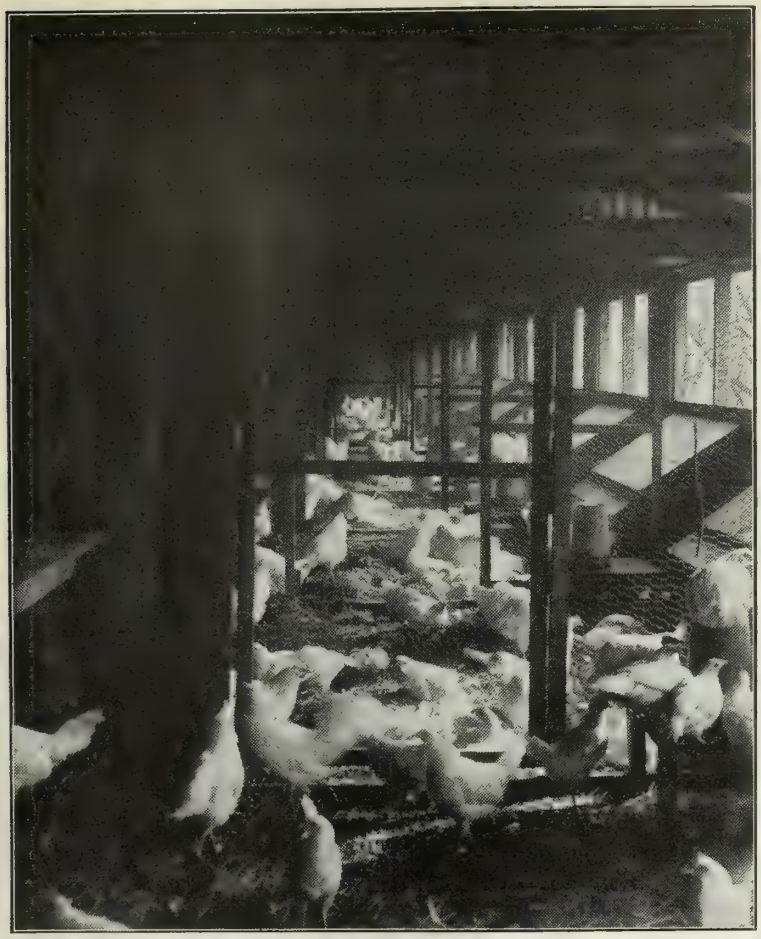
More S. C. White Minorcas have been exhibited this past winter than ever before.

At the "Palace," Coliseum, Kansas City, Pittsburgh, Washington and many other big shows large classes were exhibited. Send for this catalogue and get better acquainted with this worthy fowl and those who breed them. Address C. R. Augustus Raschke, Secretary-Treasurer, Kingston, New York.

Barred Plymouth Rocks.

One of the most beautiful catalogs which we have seen in many a day is from the poultry plant of that well-known Barred Rock breeder, C. N. Myers, of Hanover, Pa.; the gentleman who has the "Lady Beautiful Strain." It is a twenty-five page book embossed, and printed in two colors. It is illustrated throughout and shows you just what kind of birds to expect when you buy from Mr. Myers.

Tells you all about his different pens, just who they are headed by and the records of his many winners. It tells you just why you should buy "Lady Beautiful Strain," giving their complete history. Printed on enamel paper, with drawings from the pen of the well-known poultry artist, L. A. Stahmer, it is a piece of work that Mr. Myers can justly be very proud of. If you ever intend to buy or raise Barred Plymouth Rocks you owe it to yourself to get a copy of this catalog. It is free for the asking. Address C. N. Myers, Box A, Hanover, Pa.



The Osbun Farm and Hatchery.

I recently had the pleasure of visiting the Osbun Poultry Farm and Hatchery, located just outside the city limits of Mansfield, Ohio. It is a farm of thirty-six acres, rolling, sandy land especially adapted to raising poultry. A beautiful shady range that is completely covered with colony houses allows them to house five thousand head. The Osbuns specialize in White Rocks, White Leghorns and Indian Runner ducks. They also can fill orders for Rose Comb Reds, White Orpingtons, S. C. Brown Leghorns, Barred Rocks, White Wyandottes and Light Brahmas. All their houses are of the open front type and roup and other diseases are unknown to this farm. Mr. E. I. Osbun is the farm manager, while Mark F. Osbun presides over the office and hatchery. This firm's aim is to give you more quality for your money than anyone else. They have published the most definite and helpful catalog that we have seen in some time. Write for it. Address the Osbun Poultry Farm and Hatchery Company, Mansfield, Ohio.—H. H. Coburn.

BIRKHOLZ SINGLE COMB REDS

EGG ORDERS NOW TAKEN. 5 GRAND PENS 1912, 1913 AND 1914 WINNERS.
Drop a card for mating and price list.

ERNST F. BIRKHOLZ, -:- CHERRY REDS, -:- WILLOUGHBY, OHIO.

Ward's Champion Dark Cornish

"The Time"—1914 "The Breed"—Dark Cornish

NATURALY WRITE WARD. Mating list for 2 red stamps. A regular Cornish "fashion book".

John W. Ward, JR., Box 7, Pennington, N. J.

RUBY RED, Single Comb Rhode Island Reds

Have Never Failed To Win

in the strongest competition to be met in the middle-west. My Buff Orpington Ducks have an unparalleled record, never having been defeated in any show. I am offering eggs from five grand matings of Reds, the best I ever mated, also three pens of Buff Orpington Ducks at ridiculously low prices. Can spare a few Ducks. Get my mating list, it's free. FRED. W. OERTEL, Box X, BRIGHTON, ILLINOIS

J. W. PARKS' STRAIN



BRED-TO-LAY

BARRED PLYMOUTH ROCKS

24 "Liberty Bill" sons and daughters in my breeding pens this year for the Egg trade. Circular free. : : : 24

Eggs, $2 per 15; $4 per 50; $7.50 per 100
From selected matings, $3 per doz; straight

O. F. MITTENDORFF : BOX F : LINCOLN, ILLINOIS

White Plymouth Rocks | White Indian Runner Ducks

More Prize Winning Matings

40-acre, free range farm yards, larger general purpose and Utility flocks, years of experienced line breeding with superior stock insures full value in each order

Hen Eggs, $1.50 to $9.00 per 15.
Baby Chicks, 15 cts. to $1.00 each.
Duck Eggs, 25 cts. to $1.00 each.
Ducklings, 40 cts. to $1.00 each.
Breeding Stock, $1.50, $2, $3 and more.
Reduced price on large orders.

Special saving offer to first inquiry from each address
Write your wants.

J. H. LYNCH

R. 7, Opdyke, Ill.

R. C. Black Minorcas



2d Cock, Springfield, Ill.

Winners at the leading shows, including the late Springfield, Ill. state show.

Five grand pens mated for the egg trade. Every pen headed by a first prize winner. Send for mating list which gives prices of eggs and baby chicks. I guarantee satisfaction.

E. M. CAMPBELL

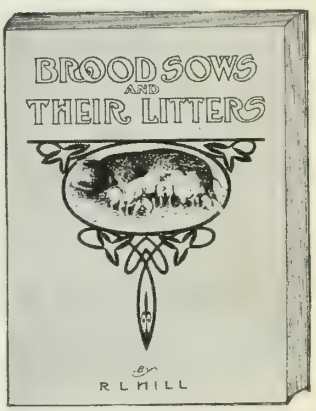
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For Farms or Towns. 16 sizes. $85 to $850. On Time; 1 cent on can; per cent of pack; or cash. Write for Booklet. THOS. M. BROWN, Springfield, Mo.

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THE most practical work on this subject ever published will be sent absolutely free of charge with every subscription to the great swine and live stock paper, ANIMAL HUSBANDRY. Subscription price, 50 cents per year, 3 years' $1.00

Brood Sows and Their Litters

The book tells what, when and how to feed; how to select brood sows, how to breed them and how to handle and care for the litters. It is a practical book compiled from the experience of expert breeders and written by R. L. Hill, the prominent writer who has a well-earned reputation of combining scientific practice with practical experience to produce best results. This book is written in plain language, fully indexed, with illustrations of all the leading types of hogs, hog houses, etc., and is handsomely bound.

OUR SPECIAL OFFER

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Tolman Fresh Air Strain White Plymouth Rocks

BABY CHICKS AND EGGS FOR HATCHING

The kind that LIVE and GIVE RESULTS. Over 80 per cent of his OLD CUSTOMERS ordered from TOLMAN last year. BOOK YOUR ORDER EARLY. Circular and price list FREE. P. O. ADDRESS

Joseph Tolman, Rockland, Mass. DEPT. H Nearest Railroad Sta., Hanover, Mass. R. F. D. 1

Silver Wyandottes White Plym. Rocks

Winners in the leading shows of the middle-west. A few birds of extra quality for sale. My first pen of Silver Wyandottes is headed by Silver King, undefeated champion in strong competition, at five of the best shows ever held in Illinois. Eggs from specialy mated pens, $5.00, $4.00 and $3.00 for fifteen, book your order early, will only furnish a limited number of settings. Mention American Poultry Journal.

J. A. BARNES R. R. 7 DECATUR, ILLINOIS

RILEY'S R.C. REDS

win all cups and specials for best display at Buffalo, Rochester and Jamestown, 1913-14. Some of this blood will help you do the trick.

C. E. RILEY, 749 Fillmore Street, Buffalo, N. Y.

Cleveland's Buff Orpingtons

Prize winners at Chicago's Great Coliseum Shows of 1911, 1912 and 1913. Send for mating list.

Frank C. Cleveland, Morgan Park, Illinois

Deer's White Rocks

Remember our winnings at NASHVILLE, CINCINNATI and INDIANAPOLIS. Hens, pullets and cockerels for sale. Eggs, $10, $7.50, $5 from selected matings. Utility Eggs, $5 per one hundred, $2 for fifteen or $3 for thirty.

F. L. Deer R. R. 1 Franklin, Indiana

At Madison Square

1st S. C. White Leghorn Pullet

THE SENSATION OF THE CLASS

A GREAT WIN AT BALTIMORE—SEE AWARDS

The Maryland Leghorn Farms have demonstrated at the Imperial Show of all America that their strain of S. C. White Leghorns can win the blue in competition with the best in America. We have breeding and exhibition stock for sale that can please the most exacting. Day-old chicks and hatching eggs our specialty. Satisfaction guaranteed. Mention American Poultry Journal.

MARYLAND LEGHORN FARM

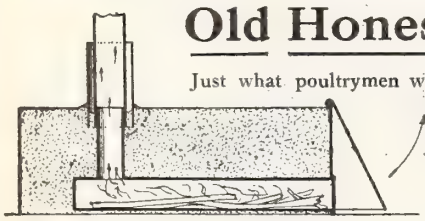
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Old Honesty Hatchery

OUR ELEVENTH SEASON—Day-old chicks for sale. Sixteen leading market and egg laying varieties, also strictly utility and show birds. Catalogue free. Prompt replies. Prompt shipment. Mention American Poultry Journal when writing.

G. H. Kichline, Prop., Dept. A, New Washington, O.



Old Honesty Heater Co.

Just what poultrymen were looking for this long time. **A new invention** to get Winter eggs and raise chicks successfully. Patent granted March 26, 1913. Write for circular (free). Tells you all about it.

OLD HONESTY HEATER COMP'Y. Dept. A New Washington, Ohio

Spring Time.

When spring time comes one's thoughts go to green fields and chickens. If you live around the Central States and wish to make a short, pleasant trip, just visit the poultry plant of J. H. Lynch, located just outside of Opdyke, Ill.

It is upon this farm that the wonderful "Lynch Strain" of White Plymouth Rocks and White Indian Runner Ducks are bred. It has taken years of hard work to perfect these birds, but today Mr. Lynch is one of the heavy ribbon winners at Chicago, St. Louis, Springfield and smaller Central State shows. At the later Indianapolis show he entered two Indian Runners and captured second drake and second ducks. Mr. Lynch has several letters from last year's customers, telling of grand winnings they made this year with birds hatched from his eggs and baby chicks he sold them. On all egg orders Mr. Lynch guarantees safe arrival. He has some mighty fine stock and baby chicks. Write for his catalog. Address J. H. Lynch, R. F. D. No. 4, Opdyke, Ill.

The Secret of Fertile Eggs.

No incubator can produce good baby chicks unless the hens that lay the eggs are in the very best of physical condition.

Exercise all the time is one of the most important elements in producing not only numbers of eggs but fertile eggs.



WHITE WYANDOTTE.

This bird, with mate, won special for best cockerel and pullet at Guelph, Ont., 1913; also did much towards winning cup for display and collection at same show. Bred and owned by Sid Saunders, Ingersoll, Ont., Canada.

One of the most successful devices for compelling the feeding stock to take exercise is the 6 in 1 Exerciser-Feeder, manufactured by the Hover-Incubator Mfg. Co., Box 511, Browns Mills, N. J.

This is not only an exerciser, but it is a complete feeding device with six compartments. No other feeding device is necessary as it feeds shell, grit, dry mash, charcoal, beef scraps, etc., and at the same time scatters the grain in the food.

Even the man who has only a few fowls or eggs could afford to buy a 6 in 1 Exerciser because it increases the number of eggs the fowls will produce and requires his attention only once a week.

The 6 in 1 Exerciser-Feeder is for sale at all dealers.

Cleveland Poultry Breeders' Assn.

The following named officers were elected for 1914 at the recent meeting of the Cleveland, Ohio, Poultry Breeders' Association: President and Superintendent, J. O. Somers; first Vice-President, Dr. R. H. Sunkle and the well-known breeder of S. C. White Orpingtons, Dr. R. H. Lindhorst was elected as Secretary. For full details as to this Association, write to him at Cleveland, Ohio.



First Prize Blue Orpington Cock at Ohio State Show, Columbus, Ohio, January, 1914. Owned by Adolph Lehne, Mechanicsburg, Ohio.

Purified Kerosene.

It is a well known fact that ordinary kerosene still has impurities and all kerosene which has a yellowish tinge contains particles of sulphur. The Purified Petroleum Products Co., Chicago, Ill., has perfected a refining process which eliminates such impurities and its product is called "Purified Kerosene." This product has many advantages. The purifying process eliminates those things which cause noxious odors and for incubator purposes is unexcelled. Write them for booklet giving particulars.

Cornish Club.

The greatest exhibition of Cornish ever held was the recent meet at Warrentown, Va. There were 255 birds entered coming from nine different states. The following officers were elected for the year 1914: President, W. A. Tow, Catonsville, Md.; First Vice President, C. H. Smith, Warrentown, Va.; R. E. Glenn, Red Lion, Pa., Second Vice President; C. S. Brent, Oconomowoc, Wis., Third Vice President; with John W. Ward, Jr., of Pennington, N. J., as Secretary-Treasurer.

Every breeder of Cornish should join this Club on account of the great increase in popularity of the "world's best general purpose fowl." Life membership is $10.00. For further details write to the Secretary.

National Black Langshan Club.

Held their annual meeting in Rochester, N. Y., and the following officers were elected for the ensuing year: President, Geo. Urban, Jr., Buffalo, N. Y.; vice president, Wm. T. Blakely, So. Pasadena, Cal.; secretary and treasurer, John A. Rhodes, Cedar Rapids, Iowa; assistant secretary, E. R. McCormick, Letts, Iowa; executive board, R. A. Hewes, Crete, Ill.; L. E. Meyer, Bowling Green, Mo., and R. W. Bishop, Guilford, Conn.

This club is making arrangements to publish a Langshan book, therefore every breeder of this fowl should join the club and be listed in this book.

One dollar pays membership fee and dues to October, so send in your name and money to the secretary, John A. Rhodes, Cedar Rapids, Iowa.





First prize cockerel and first pen cockerel at the National Single Comb White Leghorn Club meet held at Elgin, Ill., 1914. Bred, owned and exhibited by W. L. Fern, Elgin, Ill.

MOORE'S SINGLE COMB REDS

BRED-TO-LAY and SHOW—Won 3 firsts, 2nd, 4th and color special at Washington, 1914. Great winter layers—best exhibition type. Guaranteed eggs, $2-15, $5-50, $8-100. Write for circular.

C. S. MOORE -:- STATION A -:- WASHINGTON, D. C

ROSEMONT FARM S. C. BROWN LEGHORNS

Entire stock for sale, including all my winners at largest shows in country, at reduced prices. I can make you pairs, trios and pens, which will produce you winners such as cannot be bought elsewhere for money invested. Write your wants.

ELMER V. SHULTZ -:- BOX 500 -:- WEBSTER GROVES, MISSOURI

J. F. Garrison's Mammoth Light Brahmas

WIN AT ILLINOIS STATE SHOW, 1914

1st Cock, 2nd Hen, 1st Pullet, champion female color and shape special, also 3d Pen. A limited amount of stock for sale. I will sell eggs from four of the greatest pens mated to produce winners to be found in America. **Price of eggs, $3.00, $5.00 and $7.50.** Satisfaction guaranteed. Write for circular.

J. F. GARRISON -:- -:- MT. VERNON, ILLINOIS

THE RAVEN'S ROSE COMB REDS

Have Won at the World's Greatest Shows

Including CLEVELAND, OHIO, BUFFALO, NEW YORK, and YOUNGSTOWN, OHIO. Also in customers' hands at HAGERSTOWN, MD., and OKLAHOMA STATE FAIR.

Good Cockerels $3 to $5. Pullets $1.50 and up. Descriptive Mating List Free

M. C. De LOOF -:- BOX 171 -:- WILLOUGHBY, OHIO

Lyman's S. C. White Orpingtons

Winners at Columbus, Ind., Chillicothe, O. Eggs for hatching from pens including Prize Winners. Write for Mating List.

A. F. LYMAN :-: :-: BREMEN, OHIO

CHICKS AND EGGS

Holtzapple's S. C. REDS

Have won at Cleveland, Columbus, Toledo and Ft. Wayne. Orders booked for Spring delivery of chicks. Send for catalogue.

OSCAR HOLTZAPPLE, Box 48, Elida, Ohio

Buff Orpingtons

Feb. 2-7 being my 5th grand win at the grand Indianapolis show. Never have failed to win DISPLAY cup on the largest winning in the English class, points counting, besides grand winning at Louisville, Springfield, etc., is evident proof of the QUALITY of my 9 year line bred stock. 300 for sale, cockerels, $3, $5, $8 and $10 each, pens, $10 up. All stock sent to please or return and money refunded.

J. S. Frazier Box B Advance, Ind.

The World's Best Wyandottes

Silver, Golden and Whites. They are simply wonderful in lacing, type and color. They have won for me at Madison Square Garden, N. Y. more than 300 premiums during the past 21 years. They win at all the large shows for our customers. We have 500 fine birds yet to spare at bargain prices, lots of males that are simply grand. Our matings were never as fine as this year and contain hundreds of winners. Eggs from our fine regular matings, $3 and $5 per setting. Try Keller's Wyandottes, you can't miss it, they have been bred for heavy egg production as well as exhibition, for the past 30 years. Also the finest narrow laced golden sebright bantams. Large, finely illustrated circular and mating list free.

IRA C. KELLER Brookside Farms Box 75, Prospect, O.

A New Mammoth Incubator.

When we think of the years of study spent upon poultry raising, it seems almost improbable that anything new might be originated. Yet we find the catalogue of the Schwalge System explains some new ideas about incubation and the mammoth machine described therein promises to be a great factor in incubation methods of the future.

Send for the catalogue. It's free. Address Schwalge Bros. and Smith, box 100, Elmhurst, Ill.

"The Quisenberry Way."

Every one who is "chicken-wise" knows of the splendid work which T. E. Quisenberry is doing at the Missouri Poultry Experiment Station. Comparatively few, as yet, know of the great work which he has inaugurated as president of the American School of Poultry Husbandry. This school, through its correspondence course, offers everyone who desires to succeed in the poultry business, the opportunity to secure, direct from Mr. Quisenberry, the results of a lifetime of experience, study and investigation. Look up the advertisement of the American School of Poultry Husbandry, Mountain Grove, Mo., elsewhere in this issue, and write for illustrated prospectus. Kindly mention this paper.

A. P. A. Gold Medal.

A prize much coveted is the A. P. A. gold medal, which is awarded at State shows. At the recent Connecticut State show, the medal for champion cockerel, all varieties, was awarded to a bird, bred, raised and exhibited by the Joe-Pye Orpington Farm, of South Norwalk, Conn.

He also won the A. P. A. silver medal for best in English class. This bird is a son of "Titrain," the wonderful Buff Orpington cock that so successfully defended "the blue" at the late New York Garden show. He is also a grandson of the great "Champion New Yorker."



All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Pettey, State St., Belvidere, Ill.

The Improved Champion Leg Band



Aluminum only; two sizes; adjustable to fit any fowl. Held by double lock, can't lose off. Postpaid 12-15c; 25-20c; 50-35c; 100-60c. Initials 10c per 100 extra. 50 or less, 5c. Also Pigeon Bands.



T. CADWALLADER, Box 1402 Salem, Ohio

White Runner Ducks

And S. C. White Leghorns

At Philadelphia my Ducks won: Cock 1, Hen 1, Cockerel 2, Pullet 1, Pen 1, and Cup. At Trenton, N. J., 4 firsts on 4 entries. Hammenton, N. J., 5 first prizes, etc. Stock and eggs for sale. Write me your wants.

E. G. CURTIS -:- ATSION, NEW JERSEY

Vermin-Proof Poultry Houses

Made of Plasto-Asphalt lumber, the new fire-proof material. Superior to lumber or any other material for poultry house construction.

Send for free sample and our free catalogue of poultry houses.

Do it today.

THE UNIT CONSTRUCTION CO.
Box A Brookfield, Ill.

100% Hatches

You can come mighty close to this mark and have strong, healthy chicks.

Send 10c for Large Sample

P-K Practical

Ask for Free Poultry Book

the powerful germicide, used as a spray for incubators and brooders, cuts down your chick losses. Not a poison—clean, colorless. A money maker for poultry. Keeps your flock free of disease.

General Purification Co., 625 Pioneer Bldg., Madison, Wis.



Cholerine
FOR FOWLS

Must Satisfy or We Return Your Money

A guaranteed treatment for Cholera, Roup, Limberneck; specific for **White Diarrhoea** and other germ diseases of poultry.

Our Unequalled Proposition

LISTEN! To quickly distribute **CHOLERINE** and fully demonstrate our claims, we will send you prepaid on receipt of **50 cents** (coin, money order or stamps), one dollar's worth of Concentrated **CHOLERINE. CHOLERINE** has stood the severest test for ten years. All poultry thrives on **CHOLERINE.** A few drops in their water and feed does the work.

You get **DOUBLE VALUE** and, if dissatisfied, we return your money. Send your order **NOW.** Don't miss this offer.

Germo Manufacturing Co., Dept. 2A, 116 N. Commercial St., St. Louis, Mo.
References: American Trust Co., St. Louis; Nat'l Bank of Commerce, St. Louis

Whatglen Magnificent Black Minorcas

The World's Largest Minorca Farm. Eggs, $3 and $5 per setting. 50 cockerels for sale, $5 each. We aim to please, and always do.

Whatglen Farm : Frank McGrann, Proprietor : Box A, Lancaster, Pennsylvania

DON'T DODGE PLAIN FACTS

"Dead in the shell" chicks cost you from $5.00 to $15.00 every time you set your Incubator, depending on the size.

"Dead in the shell" chicks are the result of Carbon Dioxide poisoning.

The ONE and ONLY thing known to Science that will overcome this Carbon Dioxide poison, is—OXYGEN.

"Lack of Oxygen kills more Incubator chicks in the shell than any other cause. UNLESS Oxygen is SUPPLIED the chicks will DIE."—Professor C. F. Townsend, of Weedsport, N. Y.

BY "SUPPLYING OXYGEN" TO THE EGG CHAMBER OF THE INCUBATOR THE

Ajax Improved Oxygen Vitalizer

puts an end to the "dead in the shell" chicks, and makes them immune from White Diarrhoea when properly brooded. It costs $4.00 complete, ready to use, delivered, charges paid in the U. S., lasts a life time, can be attached to any Incubator in five minutes, and MORE than pays for itself EVERY TIME used. We have published a booklet, that is full of VERY VALUABLE information. It is the "last word" on Artificial Incubation and tells you all about Oxygen and its uses. IT'S FREE. Please do NOT ask for it UNLESS you own or operate an Incubator.

PLEASE BEAR IN MIND

There is only ONE—AJAX—"IMPROVED" Oxygen Vitalizer, and that the "AJAX" is the ONLY one that is GUARANTEED. It is sold under an OFFICIALLY SIGNED Guarantee, packed with the Vitalizer when it leaves the factory, that says—"YOUR MONEY BACK IF IT FAILS." You LOSE, and will CONTINUE to lose Money every hatch that you take off without it. Write NOW. Be ready for your FIRST hatch. If you think there are any "mysterious spots" in OUR Guarantee, just write one for yourself. Send it along with your remittance, and we will sign and return with your Vitalizer.

Reliable Poultry Specialty Co.

Main Street -:- Alexander, New York, U. S. A.

White Langshan Club.

Mr. Breeder, do you know what you are losing by not belonging to the "Worlds National White Langshan Club?" Possibly you do not know such a Club exists. In that case you probably have wondered why our breed is gaining in popularity so fast. There are two reasons. First, because the breed is right there with the quality to make good. Next, because there is an organization known as the "Worlds National White Langshan Club," consisting of the country's most prominent breeders who are boosting with all their might. Our influence is being felt all over the country. Our benefits are numbered by the score and our aim for 1914



BLUE ORPINGTONS.

First cockerel National Fanciers show, Indianapolis, Ind., 1914. Bred and owned by H. N. Hanchett, Jackson, Mich.

is double what we have accomplished in 1913. Mr. Breeder, look us up. You need the benefits we offer you. Our fees are but one dollar per year, after the one dollar original membership dues have been paid. Can you afford to get along without the Club for this small fee? Think it over. Ask for a membership at once. Send two dollars at once to A. D. Freese, Secretary Mohawk Village, Ohio.

—o—

Illinois State Show.

At the late state show of Illinois, held in Springfield, the Buff Orpington class was so hot that but one breeder won more than one first.

A. B. Porter, of La Salle, Ill., an exclusive Buff Orpington man, won first champion male and first young pen. The latter award was won in a class of thirteen.

Chamberlain's Setting Hen

$5.75 Incubator and Brooder — **The Baby Incubator** — **$5.75** Incubator and Brooder

Freight Paid East Rocky Mountains

Holds 26 Eggs

A Complete Incubator

Easy to Operate

You can always get fresh eggs enough to fill it.



Equals Two Hens.

Always Ready to Set

Never leaves her nest. No Lice. No broken eggs.

Chamberlain's Perfect Chick Feed



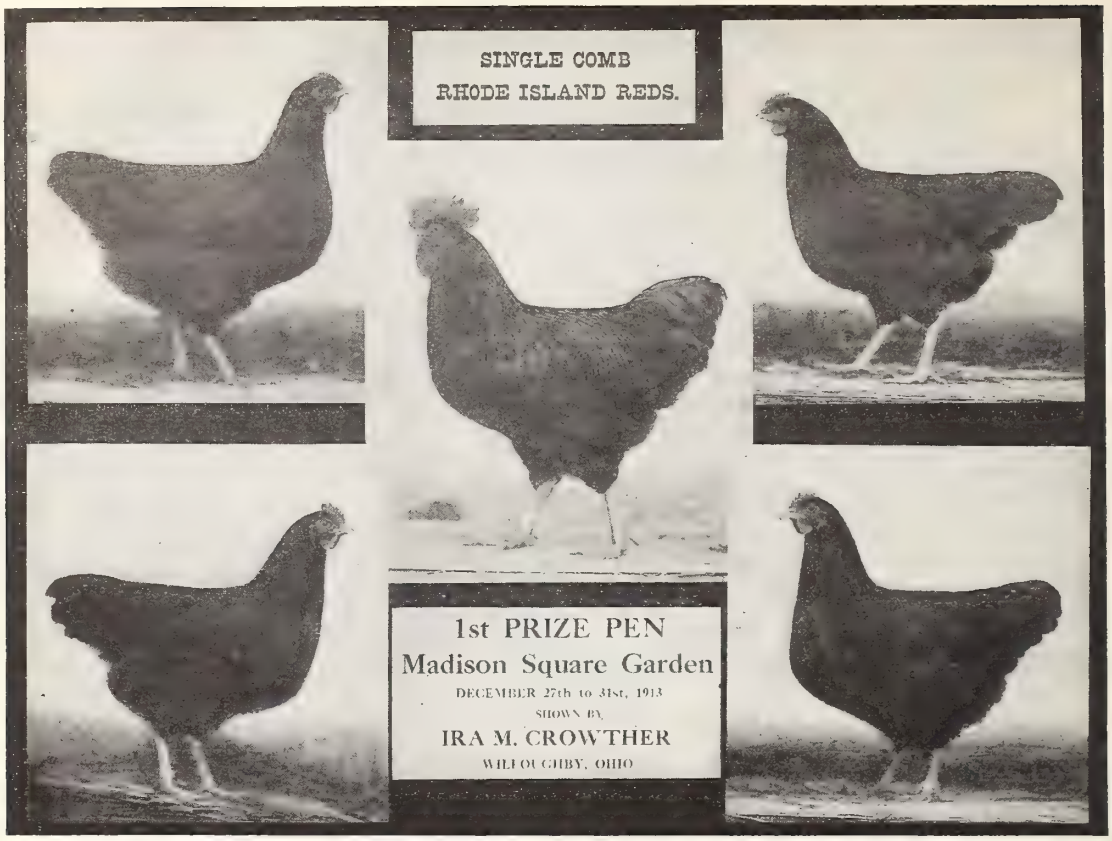
TRADE MARK

Has no Equal. No Corn. No Bowel Trouble. The Only Original Dry Chick Feed and the World's Standard.

"Lady Showyou," winner of the National Egg laying Contest at Mountain Grove. Mo., with a record of 82 eggs in 82 days, and 281 in a year and recently sold for $800, was raised on Chamberlain's Perfect Chick Feed.

We have agents all over the U. S., but if our agent is not near you we will deliver 100 lb. sack freight paid to your railroad station for $3

W. F. Chamberlain Feed & Incubator Co.
107-109 Olive St. Desk 5 St Louis, Mo.





A flock of Pekin Ducks on the C. C. Shoemaker Poultry Farm, Freeport, Ill. Hundreds of Pekin and Indian Runner Ducks, Bronze Turkeys, Toulouse and Embden Geese are produced annually on this farm.

The Indianapolis Show.

The 14th annual meeting of the Fanciers' Association of Indiana was held in Tomlinson's Hall, Indianapolis, Feb. 2-7. At no time past has there been as many entries or as high quality as was shown at this year's meeting.

The pigeon coops were arranged around the walls of the building, forming a very attractive background for the other fowls. The dog exhibit was on a floor above the poultry.

With over two thousand entries and attendance very heavy, it was a success in every way. E. R. Milhous and his able assistants handled things to the entire satisfaction of everyone, ribbons and prizes being paid promptly. The following judges officiated: Scranton, Schwab, Pierce, Zike, McClave, Richardson and Swain.

A great deal of attention was directed toward the display of Buschmann-Pierce's Single and Rose Comb Reds. U. R. Fishel, Jr., showing White Cochin Bantams, won first, and second cock, first and third hen, first, second and third cockerel, first, second and third pullet and first pen. Henry F. Alberding, of North Judson, Indiana, won first cock the first pullet on S. S. Hamburgs and in a hot class of S. C. Buff Orpingtons, fifth cock.

Indianapolis always has a good meet, so don't overlook them when arranging your show dates for the coming season. —H. H. Coburn.

Toledo Show.

The Tri-State Poultry and Pet Stock Show was held in the Terminal Building at Toledo, Ohio. It was the greatest show the association has ever held. It was a large, roomy building with plenty of light and everything ran along very smooth, coops were single decked, showing the birds up very fine.

There were close to 2,000 entries and the quality was excellent all down the line. Next year's show will be held in the same building, so don't forget to include Toledo on your show list.—H. H. Coburn.

Union City Assn.

At the regular annual meeting of the Union City, Pa., Association, Dec. 28, 1914, to Jan. 1st, 1915, was selected as the next show date. Plans have been laid to make this larger and better than ever, and as they always have had a good show, they must be figuring on stepping lively. For complete details write to the Secretary, J. Gay Struthers, Union City, Pa.



45 Varieties
Land and Water Fowls

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Pontiac, Jan. 27, 1914, we made 6 entries, won 1st Cock, 1st Hen, 1st and 4th Cockerel and 4th Pullet, and two Special Prizes, Silver Tea Set and Silver State Club Cup from the American Black Minorca Club. Eggs for hatching. Write for circular. **ELMER CLEVELAND, IMLAY CITY, MICH.**

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Win at Three Shows—13 Firsts, 8 Seconds, 3 Thirds, 2 Fourths. They represent best quality and type. Are bred for heavy laying qualities. Pens headed by cock birds direct from D. W. Young. Mating list ready. Satisfaction guaranteed. **CHAS. MYERS, CARROLLTON, ILLINOIS**

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Special Introductory Offer

To introduce our "MAX-I-MUS" purified kerosene among poultrymen, we will ship direct from our Chicago plant during March at the follow prices F. O. B. Chicago:

30 gallons, in wood barrel, shipping weight 260 lbs.,	$4.50
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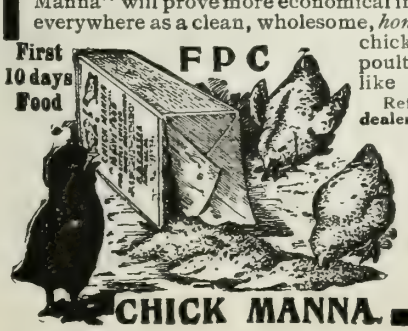
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WE ARE SELLING Buckeye eggs from very good utility matings at $3.00 per setting. Otter Creek Poultry Farm, Toledo, O. 3

MY BUCKEYES win at fifteen national shows this season, 1913-1914, including Memphis, New Orleans, Kansas City, St. Louis, Chicago, Cincinnati, Cleveland, New York, Boston, etc. Write for handsome mating list. Elton C. Mahon, Norwood, Tenn. 3-5

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SICILIAN BUTTERCUPS from imported stock. Non-related matings. Prize winners. Fertility guaranteed. Eggs, $1.50 per 15; $2.75 per 30. Ed Henze, Plymouth, Wis. 3-6

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WILLIAMS' BUTTERCUPS WIN at big Cleveland shows, 1st, 3rd, 4th pullets; 3rd pen, silver cup for best display. Eggs, $1.50 up. Catalogue. E. H. Williams, Berea, O. 3-5

BUTTERCUPS. 15 eggs, $3.00; 30, $5.00; 50, $8.00. Cockerels, $3.00 each. Henry Schowe, New Bremen, Ohio. 3-5

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EVERLASTING BUTTERCUPS pioneer winners. Coming general utility poultry. Scheperd Brothers, Parkville, Md. 3-5

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BUTTERCUPS. COCKERELS, $2.75; trios, $7.00; pens, $12.00; eggs, $2.00 for 15. W. C. Kassebaum, Plymouth, Wis. 3-4

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EXPERT BUTTERCUP BREEDERS, Chantecler Poultry Plant, Ulster, Penna.—Eggs, twenty cents, hundred eighteen dollars. Chicks, thirty-five cents; infertiles replaced. Special matings, eggs, thirty-five cents. 2-4

HIGH CLASS BUTTERCUPS—Better this year than ever. Great layers, non-setters. Hatching eggs, $3.50 and $2.00 per 15. Mrs. C. S. Chandler, Liberty, Neb. 2-4

BUTTERCUPS — EXHIBITION QUALITY. Booking egg orders now. Prices reasonable. Fred Lauer, Queen City, Mo. 2-5

WINNERS AT GRAND CENTRAL Palace—Three grand matings. Fifteen eggs, $2.50 up. Cockerels, $3.00. Circular. A Dupree, Sayville, New York. 1-3

ONEY'S SICILIAN BUTTERCUPS won 2 first at Madison Square Garden, New York, 1913-14; 1st on cock, 1st on cockerel. Write for mating list. W. Oney, Folsom, N. J. 2-4

BUTTERCUPS OF QUALITY. 5 blues, 2 cash prizes Dec. 2, 1913. Eggs for hatching. Special prices on 50 and 100 lots. Day old chicks. April hatched cockerels for sale. W. Oney, Folsom, N. J. 1-3

BUTTERCUPS. EGGS FROM PRIZE winners. Best imported stock. The quality kind. $2.00 and $3.00 for 15. Send for mating list. E. C. Aderhold & Son, Plymouth, Wis. 1-4

BUTTERCUPS—EGGS AND COCKERELS for sale. Prices reasonable. Fred Coulson, Malta, Ohio. 1-3

BUTTERCUPS. COCKERELS AND EGGS from Alvina, the 309-egg hen, and pens headed by her cockerels; per 15, $3.00 up. Circular. Rev. Sahler & Sons, Harlingen, N. J. 1-3

BUTTERCUPS—BROWE'S "Everlasting Layers." Cockerels, pullets and yearling hens. Eggs, 15, $3.00; 30, $5.00. Rev. E. H. Keator, Franklin Park, N. J. 12-5

CAMPINES.

WHITE CAMPINES, the coming breed. Eggs for sale; 4c for reply. Henry Heitkamp, New Bremen, Ohio. 3-4

IMPROVED SILVER and Golden Campines, fine stock and eggs for sale. Catalogue free. Emil Benson, Randall, Iowa. 3

SILVER CAMPINES—Stock from England and America's best. Eggs, $3.00 per 15. J. A. Welsh, Greencastle, Pa. 3-5

CHOICE PENS OF GOLDEN AND Silver Campines, containing birds imported direct from Judge Edwards. We won firsts at Springfield, Dalton, North Adams and Lenox and many specials, present season. Berkshire Hills Poultry Yards, F. R. Shaw, Proprietor, Adams, Mass. 3

CHAMPION IMPROVED SILVER and Golden Campines (Kennedy's best pens). All pens headed by clean backed males. Egg catalogue. Thos. Brogden, Rush Lake, Wis. 3-5

SILVER CAMPINES. Kennedy and Jacobus stock. Eggs, $3.00, $4.00 and $5.00 per setting. Chicks, 50c each. H. C. Bloomer, Center Rutland, Vt. 3

SILVER CAMPINES—A few fine, vigorous, well marked cockerels for sale; farm bred, from heavy laying stock. Prices very reasonable. W. E. Church, member American Campine Club, St. Joseph, Mich. 3-4

IMPROVED SILVER CAMPINES. Stock and eggs. Rev. W. Berberich, Groton, N. Y. 3-5

SILVER CAMPINES. Living egg machines. Poor man's friend. Satisfaction guaranteed. R. Young, Lawrence, Mich. 3-5

JACOBUS CAMPINES. Golden and Silver, original introducer, with experience, show record and reliability established and assured. Four firsts at Madison Square Garden, Dec., 1913, 198 Campines competing. Consider carefully and start right. For best results you should have my strain. M. R. Jacobus, Box 276-J, Ridgefield, N. J. 3

IMPROVED SILVER CAMPINES in their purity, as bred by Jacobus and Rev. Jones of England; no fancy prices; eggs at about half charged elsewhere. Special low prices on orders booked during March. H. W. Ackerson, Box 96, Washington, N. J. 3-5

SILVER CAMPINES. Kennedy and Jacobus strains. Eggs, March 1st, $3.00 per 15. E. N. Gemmill, R. D. 4, West Chester, Pa. 3-5

SILVER CAMPINES, JACOBUS strain. Eggs, $1.50 for 15; none better. George Althoff, New Bremen, Ohio. 3-5

SILVER CAMPINES. Cockerels and eggs for sale. Henry Schowe, New Bremen, O. 3-5

SILVER CAMPINES OF QUALITY. Imported stock. Circular free. Red Fern Farms, Howe, Ind. 3

IMPROVED SILVER CAMPINES. Bred to lay. Eggs, $2.00 for 15. E. C. Konkle, Brookside Poultry Farm, R. 1, Altoona, Pa. 3-5

CHESTNUT HILL CAMPINE Farm, Coopersburg, Pa., specialize in Silver Campines. Baby chicks a specialty. 3-5

IMPROVED SILVER AND GOLDEN CAMPINES. Imported stock and eggs for sale. Write for prices. Klager's Poultry Yards, Hespeler, Ont., Can. 3-5

CAMPINES—GOLDEN AND SILVER, Jones strain. Eggs for hatching. Infertiles replaced. A few cockerels for sale. Duncan McPheeters, Harlan, Iowa. 3-4

SILVER CAMPINE EGGS from imported stock, $3 per 15, $5 per 30. J. P. Wood, Benwood, W. Va. 3-5

WHY AM I NOT a display advertiser? Because of the quality and winnings of my Silvers and Goldens. Two classified ads. sell all the eggs I can supply. Write for circular containing unretouched photographs and you will see the reason. L. C. Brackett, Hopkins, Mich. 3-5

SILVER AND GOLDEN CAMPINES. We are the pacemakers of America in this popular breed. Our yards contain the greatest number of high-class birds ever brought together. If you are going to breed Campines this spring, send for our egg mating list. It is now ready and yours for the asking. Manhattan Farms, Geo. E. Noeth, owner, Brighton, N. Y. 2-14-tf

CAMPINES—GOLDEN, SILVER. Kennedy's strain. "Lay and Pay!" Eggs: Fifteen, $3.50; thirty, $6. Fertility guaranteed. Rev. E. H. Keator, Franklin Park, N. J. 12-5

BOOKING EGG ORDERS NOW, Kennedy strain, Golden Campines. A. D. Blair, Box 1, Van Etten, N. Y. 3

IMPROVED SILVER CAMPINES. Clean sweep Wheeling, W. Va., show. Eggs $2.50 per 15. W. B. Lashby, Powhatan Point, Ohio. 3-5

SILVER CAMPINES, stock and eggs, reasonable. August W. Schroeder, St. Peter, Ill. 3

IMPROVED SILVER CAMPINE (Jacobus strain) eggs, $3.00 per hatching up. Blue ribbon winners this season. First order from this ad gets one extra hatching. Burd & Brown, Ogdensburg, N. J. 2-4

SILVER CAMPINES—If you are looking for the very best of the above, we can please you. Our Campines have demonstrated their quality by their winnings for the last three years. Money back guarantee. Young & Barnes, Importers and Breeders, Lawrence, Mich. 2-4

SILVER CAMPINES—Blue ribbon winners and high scored birds. Eggs, $3.00 per 15. Henry Schifferdecker, Red Bud, Ill. 2-4

CAMPINES SILVERS, GOLDENS and Blacks. Pure native Belgian birds. The Belgian Campine stands on its own reputation as a layer. Eggs, $3.00 for 15. C. D. Holden, originator of the Black Campine, Brookland, D. C. 2-4

GARRELL'S PEERLESS CAMPINES have proven their superiority by their winnings at the recent shows at Kansas City, Springfield and St. Louis. If you want high class stock or eggs at modest prices, send for free booklet. Julius Garrell, Webster Groves, Mo. 1-14-1yr

SILVER CAMPINES—Eggs for hatching. Circular and mating list free. T. L. Hilton, Lancaster, S. C. 2-4

SILVER CAMPINE EGGS from fine pen of imported birds. Good silver hackles, well barred breasts and tails. Price reduced from $10.00 to $5.00 per 15. J. G. Zimmer, Ft. Wayne, Ind. 2-4

CAMPINES.

IMPROVED SILVER CAMPINE EGGS, Jones and DeBathe strains, $3.50 and $5.00 for 15. Circular free. Chas. Puddy, Ft. Wayne, Ind. 2-4

IMPROVED SILVER CAMPINES—Jones, Jacobus strains. Indianapolis, January, three entries, 2nd cockerel, 3rd and 4th pullets; 15 eggs, $2. James R. Pearcy, Martinsville, Ind. 2-4

SILVER CAMPINES WINNERS at Grand Central Palace and wherever shown. Stock and eggs for sale. Short & Tripp, Cortland, N. Y. 2-4

IMPROVED ENGLISH CAMPINES—Silver and Golden stock direct from England and Madison Square winners. Will spare a limited number of eggs and baby chicks. Circular. R. O. Woods, Lima, O. 2-4

STOP—ARE YOU INTERESTED IN CAMPINES? If so, send postal for circular before buying. Costs nothing, much information. The Martling Hennery, P. O. Box 186 N, Ridgefield, New Jersey. 2

SILVER CAMPINES winners at great Chicago show. Won 1st, 3rd and 4th pullets and 3rd cockerel with only 4 entries. Eggs in season. Eva V. Eagles, Albion, Ind. 2-4

CAMPINES LAYERS EXTRAORDINARY—Why should you consider them? A few more clear-backed Golden males, exhibition stock, breeders, eggs. Mating list. Chippewa Poultry Yards, Box 3, Seville, O. 2-14-tf

GOLDEN AND SILVER CAMPINES—To succeed, start right with an old established breeder. Stock and eggs for sale. I. Putnam, Route 105, Elmira, N. Y. 2-4

LESLIES' SILVER CAMPINES have best Canadian ancestry. Cockerels and eggs, $3 up. Trios. Frank Leslie, Niagara Falls, Can. 1-3

JOCOY'S AMERICAN WHITE Campines have the greatest combination of desirable qualities ever before bred into one breed. Booklet free. J. A. Jocoy, Towanda, Pa. 1-3

SILVER CAMPINES. Eggs and cockerels for sale. Prices reasonable. Fred Coulson, Malta, Ohio. 1-3

SILVER CAMPINES—Kennedy-Jacobus strain. Layers of large white eggs and lots of them; $3.00 for 15. E. C. Aderhold, Plymouth, Wis. 1-4

SILVER AND GOLDEN CAMPINES. Remember, before buying elsewhere, 'twill be to your interest to get my prices on eggs. Mating list free; send for it. Dr. Prudhomme, Desk P, Thurmont, Md. 1-3

BAYERDORFFER, OAKWOOD HEIGHTS, N. Y., improved Silver Campines; large egg strain. Stock the finest in existence. Eggs, $3.00 per 15; $15.00 per 100. Mating list free. 1-3

MRS. CARVER'S GOLDEN CAMPINES. The big winners at the great Coliseum Show, Chicago, this year, winning 1st pen, 1st cock, 2nd hen. My egg matings this season headed by 1st pen cockerel at Chicago, 2nd pen headed by 1st Chicago cock. Clear hen feathered male birds, the best in the world. Eggs reasonable. Mrs. Carver, Carver's Red Farm, Seville, Ohio. 11-13-tf

SILVER CAMPINES. Can spare a few pairs and trios of my improved champions at reasonable prices. Will have several choice pens mated for the egg and chick trade. See display ad. Alice Rawson, Big Rock, Ill. 1-3

BOOKING ORDERS NOW for hatching eggs. Silver and Golden Campines (prize winners this fall), Kennedy's strain; $5.00 for 15. Shearer-Henry Poultry Yards, Delavan, Wis. 1-3

SILVER CAMPINES—Stock for sale. If interested in this wonderful white egg machine, write Dr. Brownback Poultry Yards, Pendleton, Ind. 1-3

SILVER CAMPINES (Jacobus strain). Eggs from prize winning birds, $3.00 per 15. Patrick Delaney, Maple Ave., Du Bois, Pa. 1-3

COCHINS.

PARTRIDGE COCHIN EGGS, $1.25 per 15; $5.00 per 100. Very fine stock. Elmer Niece, Frenchtown, N. J. 3-5

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HENNESSY'S DARK CORNISH. Winners for 18 years; grand shape and lacing. Eggs, $2.00 per 15; scored cockerels for sale; duplicates, cards. Hennessy Bros., Strawberry Point, Iowa. 3-6

DARK CORNISH. Winners Kentucky State Fair, four firsts and one second on 5 single entries. Great winter layers. Can supply stock and eggs. Satisfaction guaranteed. L. B. Proal, Buechel, Ky. 1-3

DARK CORNISH OF QUALITY. Eggs two dollars per setting. Mrs. John Wampler, Broadway, Va. 3-5

DARK CORNISH—Eggs from three grand pens. One pen all imported. Mating list free. W. W. Graves, Jefferson City, Mo. 3-6

CHAMPION DARK CORNISH. Guarantee stock and eggs. Morris & Rearick, Eaton, Indiana. 3-6

WHITE CORNISH. Royal strain. Eggs from winners, $2 per 15; 50, $5. Springbranch Poultry Farm, Bellville, O. 3-5

DARK CORNISH eggs for sale. Write for prices and mating list. Henry Cowgill, Lamar, Mo. 3-5

DARK AND WHITE CORNISH of quality. Stamp for prices. W. B. Grinyer, Eleroy, Ill. 2-3

SUPERIOR DARK CORNISH winners Ohio state show, Lancaster, Chillicothe. Stock and eggs. Satisfaction guaranteed. C. Leitnaker, Basil, O. 2-4

DOMINIQUES.

AMERICAN DOMINIQUE Poultry Yards, Malone, N. Y. No better breed exists than Dominiques. Circulars. 1-3

THE VERY BEST there is in Dominiques. A. Q. Carter, Freeport, Me. 1-3

DORKINGS.

SILVER GRAY DORKINGS EXCLUSIVELY 25 years. The very finest, as our records show. More first and special prizes at New York and Boston shows the last 16 years than all competitors combined. Display and all specials, New York, Dec., 1913. Eggs from six grand pens, $4.00 for 13; $7.00 for 26. Watson Westfall, 175 Cayuta St., Sayre, Pa. 2-5

RALPH CHANT, JOHNSTOWN, N. Y. Dorkings won 3 first Madison Square, 1913. 1-3

FAVEROLLES.

SALMON FAVEROLLES—Bred exclusively for past seven years. Highest grade stock obtainable. Cockerels for sale. C. A. Wibirt, Orchard Park, N. Y. 3

MAKE YOUR POULTRY PAY by starting now with White Faverolles, the coming popular fowl, quick growers, unexcelled for market, wonderful winter layers, very hardy; largest flock in America; can furnish pairs, trios, pens. Most points, including grand first pen Madison Square Garden, December, 1913. Eggs, $10.00 per 15. Brakendale Farms, Fonthill, Ontario. 2-4

GAMES.

BLACK REDS, Pyle's, Silver Duckwings. Heavyweights. Purely bred. 15 eggs $1.75. Jesse Bromley, Washington, Mich. 3-5

EGGS FROM STANDARD Black Red Games. R. F. Milligan, Saratoga Springs, N. Y. 3

SUPERIOR GAME FOWLS—Toga Japs, pure bloods; Atkinson White Aseels, Irish Round Heads, pit Japs, grade Aseels. Eggs $2 to $3 a setting. L. W. Farrar, Buckfield, Me. 12-3

EGGS, $1.50 PER 13. Black, Red and Silver Duckwings. Pit Games. Stamp for circular. Clark Price, Rochester, Mich. 2-4

PIT GAMES. SIX STRAINS, all good ones. Winners in every state, also Mexico. Send for curculars and testimonials. W. C. Byard, Walnut Hills, Cincinnati, O. 1-3

HAMBURGS.

SILVER SPANGLED HAMBURG eggs for hatching. Great laying strain. Our winnings for the last five years show the stock. $2.50 and $2.00 per 15. Raymond Heald, West Chester, Pa. 3-5

SILVER SPANGLED HAMBURGS—Bred for eggs. Eggs for setting: $1.00, 15; $2.00, 40. H. H. Scott, Sinks Grove, W. Va. 3-5

SILVER SPANGLED HAMBURGS—Won at Hamburg state meet and other shows. Circular free. John Laas, 1010 Buckingham St., Toledo, Ohio. 3-5

LISTEN—REAL GOOD Silver Spangled Hamburgs, for show purposes, sharp spangles, low, wide tails, good comb and shape, prize winners, originator "Beauty Spot" strain. Breeder 12 years. Eggs $2.50 for 15; $4.00 for 30. Circular free. Charley Laughlin, Bloomfield, Ind. 3-5

EXTRA FINE SILVER SPANGLED Hamburgs. Prize winners in leading shows. Send for mating list. Jay Dudley, Alma Center, Wis. 2-4

SILVER SPANGLED BREEDING stock, eggs, chicks. Show and utility. E. V. Root, Bangor, Mich. 2-5

SILVER SPANGLED AND BLACK HAMBURGS, "Black Diamond" strain. Highest honors at Madison Square and other leading shows. A trio we sold in 1913 won 1st cock, 2nd hen at the Palace show and 1st cock, 1st and 2nd hens at Madison Square. Eggs, $3.00, $5.00 and $10.00. Will L. Clark, Pres. Am. S. S. Hamburg Club, Sullivan, O. 2-tf

SILVER SPANGLED HAMBURGS—December, 1913, 1st cockerel, Madison Square; 2nd cock, 3rd hen, Palace. Stock and eggs for sale. A. Leventritt, Tivoli, N. Y. 2-4

HOUDANS.

FAMOUS HOUDAN eggs and cockerels from as fine as any. Photographs in catalogue for stamp. R. A. Troth, Orleans, Ind. 3-5

HOUDANS AS THEY SHOULD BE! More firsts, club ribbons, cups, gold specials at largest shows than all competitors combined! Superior stock. Eggs, $2.50 and $5.00. Don't buy until you read free illustrated circular. Dr. H. E. Dunne, Center Street, Ridgeway, Pa. 3-5

HOUDANS—278-egg strain. Silver Spangled Hamburgs, fancy and utility eggs, chicks, catalogue. Fred Brenon, 122 North Pleasant St., Watertown, N. Y. 3-5

MODEL HOUDANS—bred first for vigor with laying ability; then for size, with shape and detail. Winners at Madison Square, Hagerstown, Pittsburgh and etc. A good batch guaranteed. Houdan Yards, Sewickley, Pa. 3-5

FRANCOIS STRAIN HOUDANS; bred to lay as well as win; eggs, $3.00 per fourteen. E. L. Sweetser, 959 Emmett St., Schenectady, N. Y. 3-5

MY HOUDANS ALWAYS WIN, and my price is what? Eggs only $1.00 per 13. H. Merriam, Ashburnham, Mass. 3-5

HOUDANS. 15 eggs, $1.00. Stock, $5.00 per trio. Weber Bros., Maugansville, Md. 3-5

THE WORLD'S GREATEST Houdans are McAvoy strain. Have several fine birds which I guarantee. Write me your wants, I can supply you. Price very reasonable. F. M. Griffith, Wayne, Neb. 3-5

IDEAL HOUDANS. Eggs, $3.00 for 15. Cockerels for sale. Farm raised. Write me. A. C. Lansdell, Kennett, Mo. 3-6

BAST'S HOUDANS—AMERICA'S BEST. Highest awards Boston, 1914; Madison Square Garden. Best display, Philadelphia, Hagerstown, Allentown. Write your wants. Prices reasonable. W. F. Bast, Phillipsburg, N. J. 2-4

BLUE RIBBON HOUDANS—Stock and eggs reasonable. John M. Jackson, Sedalia, Mo. 2-4

HOUDANS—"WORTH WHILE" layers of big white eggs and lots of them. The great utility fowl. Write your wants to Dr. G. G. Billman, Sullivan, Ind. 2-4

HOUDANS. $5 per trio, while they last. Weber Bros., Maugansville, Md. 1-3

HOUDANS. Proprietor all Peterson's. Also book, 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 11-13-tf

HOUDANS. EGGS AND STOCK. Boston winners. Stamp. Reply. S. L. Morse, Harrison, Me. 5-13-tf

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STURZEL'S HURRICANES. The gamest, surest cutters, most scientific and aggressive fighting fowl in America. for proof write for our new catalogue of pit games and cockers' supplies. Sturzel & Patterson, 2223 Orchard St., Chicago, Ill. 1-3

JAVAS.

WRITE S. W. MORTON, Secretary American Java Association, Albany, N. Y., for list of leading breeders. 3-8

LAKENVELDERS.

LAKENVELDERS—AMERICA'S BEST. Eggs, $2.00 per 15; $10.00 per 100. Hirzel Bros., Toledo, Ohio. 3

SENSATIONAL OFFERS IN Lakenvelder eggs. Booklet free. Riverside Poultry Yards, Johnstown, Pa. 3-5

EGGS FOR HATCHING of imported thoroughbred Lakenvelders. Prices low. H. W. Eckardt, Oconto, Wis. 3

LAKENVELDERS EXCLUSIVELY. Bred from imported prize winners. Stock and eggs for sale. H. G. Melton, Marengo, Ind. 3-5

LAKENVELDER EGGS. From prize winners. $1.50 per 15. C. E. Hathaway, Sheffield, Pa. 3-5

LAKENVELDER COCKERELS. Good stock; $4.00 each. Geo. Meyer, 20 Wood St., Pittsburgh, Pa. 2-3

LAKENVELDERS—EGGS from winners, $3.50. E. Slate, South Hammond, N. Y. 2-4

LAKENVELDERS—MYERS' SENSATIONAL, beautiful fowls were winners of five firsts, Chicago, 1912, and four firsts, Freeport, Ill. Catalog free. Frank Myers, Freeport, Ill. 2-4

LAKENVELDERS—HIGH-CLASS trio, $10.00. Eggs, $4.00 15. "Ownlands," South Hammond, N. Y. 1-2

BREEDING STOCK, EGGS and chicks for sale. Legron's Duck Farm, Harvard Terrace, Toledo, Ohio. 1-3

LANGSHANS.

WHITE LANGSHANS—as good as the best and better than the rest. C. C. Leitnaker, Basil, O. 3-5

BLACK LANGSHANS, winners egg laying contest. Show birds or breeders. Lorenz & Co., Springvalley Farm, Perryville, Mo. 2-4

BLACK LANGSHANS. Choice breeders for sale. Eggs: $2.00 15, $5.00 45, $9.00 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

AMERICA'S BEST BREED of Black and White fancy show eggs. $2 per 15. Stock for sale. Harry Dixon, Bloomfield, Ind. 3-5

WHITE LANGSHANS. Eggs, $2. per 15. Stock for sale. R. H. Moore, Nellie, O. 3

BLACK LANGSHANS. Eggs, $5.00, $3.00, $1.50 per 15, prepaid. Ask for 16-page catalogue. Tony de Haas, Orange City, Iowa. 3-5

HIGHLY FERTILE BLACK Langshan eggs from the famous "Princess Jetta" strain of Madison Square Garden, New York, winners and fine layers. $5.00 per 15, delivered free. Send today for mating list. R. W. Bishop, Guilford, Conn. 3-5

BLACK LANGSHANS—Quality kind, that win and lay. Eggs for hatching, $3.00 per 15; $5.00 per 30. Leo Gartman, Oshkosh, Wis. 2-4

WHITE LANGSHANS—Silver cup winners, also first prize cockerel of three state fairs. A few choice pens at $10. Also eggs for hatching. Cedar Lawn Poultry Farm, Rutland, O. 2-4

BLACK LANGSHAN cockerels for sale, $1.50 each. C. A. Jessen, R. 5, Lakefield, Minn. 2-4

BLACK LANGSHANS—A few choice cockerels for sale, bred from show winners. Pens now mated for egg trade. D. & C. Poultry Farm, Pt. Huron, Mich. 2-4

WHITE LANGSHANS—Extra fine birds, $2.00 up. J. T. Nixon, Potomac, Ill. 2-3

HICK'S CHAMPION Black Langshans. Winners Grand Central Palace, New York; Augusta, Ga., etc. Stock, eggs, baby chicks. Catalogue. Dr. Peter Hicks, Bound Brook, N. J. 1-3

S. C. WHITE LEGHORNS.

BABY CHICKS, $8.25 PER 100 ordered now for July delivery. Bully good Wyckoff White Leghorns, $15 until April 13, then 49c less each week until $9.53 June 30. Extra discount one cent per day for advance orders reduces to $8.25 in July. Small deposit; broad guarantees; good circular free. George Phillips, R. 111, Seymour, Conn. 3

FIFTY SINGLE COMB WHITE Leghorn cockerels from breeding pen, direct from famous Corning Egg Farm, $2.50 each. One Corning cockerel and five non-related breeding hens, $7.00. Eggs, $1.00 per 15; $5.00 per 100. Marquis Egg Farm, Route 12, Indianapolis, Ind. 3-4

ST. LOUIS WINNERS. White Leghorns, $1.50 per 15. Herman Kruse, Kirkwood, Mo. 3-4

YOUNG'S LEGHORNS—First cock, first pen last Rochester show; eggs, stock, chicks reasonable. Circular free. Nagel & Weed, Franklinville, N. Y. 3

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DUNE ALPINE STRAIN S. C. White Leghorns are acknowledged by all breeders as best strain for show and laying purposes. Eggs and stock for sale. Wm. M. Jones, East Hampton, N. Y. 3-5

S. C. WHITE LEGHORNS. Several hundred hens and pullets, bargain prices. Eggs, $2.00 15, $7.00 100. Baby chicks, $12.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

SINGLE COMB WHITE LEGHORNS, stock and eggs. August W. Schroeder, St. Peter, Ill. 3

SINGLE COMB WHITE LEGHORNS. Range raised, heavy layers. Newtown strain. Eggs, $6 hundred; chix, twelve cents each. Satisfaction guaranteed. Longfield Farm, Cason Bros., Props., Carrollton, Mo. 3-5

SINGLE COMB WHITE LEGHORNS, eggs reasonable. Write for circular. W. J. Meglitsch, Harvel, Ill. 3-5

ONLY EGG PRODUCERS of merit are used in our pens of fine S. C. White Leghorns. Let them work for you. Settings from good utility stock, $1.50 per 15. Few from best pens, $3.00 per 15. Turner's Poultry Farm, Maumee, Ohio. 3

CHARLES L. BURR great laying strain of White Leghorns. If you can procure stock of any breed or strain in the world on your own grounds that will lay more than my strain, everything being equal, I will take your word for it and refund the price paid for. Eggs, three dollars for 15. Chas. L. Burr, 43 Demond St., Springfield, Mass. 3

DAY-OLD CHICKS, hatching eggs (Wyckoff strain), from selected winter layers, no pullet breeding. Prices greatly reduced. Satisfaction guaranteed. Oakdale Farm, Box A, Chester, New Jersey. 3-5

SINGLE COMB WHITE LEGHORNS. Extra fine utility stock. Bred to lay, and lay they do. Eggs, $3.00 for 15. William Jackson, Magley, Indiana. 3-5

SINGLE COMB WHITE LEGHORNS (Young's strain direct), free range, heavy layers. Eggs, $1.00 15, $2.50 50, $4.50 100, $40.00 1000. White Feather Farm, New Bremen, Ohio. 3-5

SINGLE COMB WHITE Leghorns bred for quality, size, egg production; 100 eggs, $4. V. M. Bearden, Thayer, Iowa. Branch: Bloomfield, Iowa. 3-5

SINGLE COMB WHITE LEGHORNS, range raised, vigorous stock, bred to lay; eggs for hatching, day-old chicks. Pullets for fall delivery. Exhibition and utility stock. One hundred June hatched pullets, 65 cents each. C. H. Beebe, Saddle River, New Jersey. 3-5

S. C. WHITE LEGHORNS—Blanchard and Young strains. Baby chicks, $10.00 per 100. Hatching eggs, $5.00 per 100. My stock has free range, good size and the best of layers. Satisfaction guaranteed. Forest Hill Poultry Farm, D. S. Clark, Prop., Pulaski, Mich. 3-4

WINTER LAYERS. I have them. Fine, large, pure Single Comb White Leghorns, farm range. Eggs, 15 for $1.00; $5 100. W. H. Boon, Batavia, Iowa. 3-5

SINGLE COMB WHITE LEGHORN hatching eggs and baby chicks. Choice stock of the best laying strains. Satisfaction guaranteed. Prices reasonable. Harry Palmer, Middleport, N. Y. 3

S. C. W. LEGHORNS exclusively. Large, vigorous cockerels. Choice hens and pullets for breeders for sale. Eggs from heavy winter layers for hatching. James H. Malone, Buffalo, Ind. 3-5

EGGS, 15, $1.00. Fenimore Poultry Yards, Mamaroneck, N. Y. 3

FOR PRICES NO HIGHER than common stock, I can give you "real" bred-to-lay stock, chicks and eggs. A few exhibition eggs. Verworthy Poultry Yards, West Brighton, N. Y. 3-5

COCKERELS, $1.50 UP, Young's strain direct. Eggs for hatching from prize winners. V. Haynam, Route 3, Canton, Ohio. 3-5

WYCKOFF, CORNING S. C. White Leghorn eggs, $1.00, $1.50, $2.00 for 15. M. H. Bridwell, Albany, Wis. 3-4

WHITE LEGHORN cocks and cockerels, $3 to $10. Young's strain. Beautiful birds. Sweetwater Farm, Bowie, Md. 3

S. C. WHITE LEGHORNS, Young's strain, $1.00 per 15 eggs. J. C. Robertson, Galion, Ohio. 3-5

S. C. W. LEGHORNS—11 firsts, 9 seconds, 8 thirds, etc., at four big shows, including first cockerel at Indianapolis, February, 1913-14. Utility eggs, $5.00 per 100. Mating list free. W. M. Harrod, Flat Rock, Indiana. 3-5

S. C. WHITE LEGHORN hatching eggs (Ferris-Wyckoff), 15, $1.00; 100, $4.00. Sell pullets $2.50 each. Ernest Thilow, Keene, Virginia. 3-5

YOUNG'S STRAIN SINGLE Comb White Leghorn hatching eggs, $1 and $1.50 per 15. Fertility guaranteed. Baby chicks, 12c. Hough's Farms, Bedminster, N. J. 3-4

S. C. WHITE LEGHORN hatching eggs from good utility stock. Strong, vigorous baby chicks. Booking orders now. Send for free price list. W. C. Baldesberger, Venetia, Pa. 3-7

SINGLE COMB WHITE LEGHORN hatching eggs, standard bred, great layers, at 60c 15, $3.00 the 100. D. H. Hossler, Greenwich, Ohio. 3-5

S. C. W. LEGHORNS—stock, eggs and day-olds, Young's strain. The Colton Egg Farm, R. 4, Aurora, Ill. 3

SINGLE COMB WHITE LEGHORNS (Young's strain). Eggs from strong, good-laying stock, $1 to $1.50 per 15. Hazel Lindsey, Litchfield, Mich. 3

S. C. WHITE LEGHORNS. Young's strain direct, silver cup and blue ribbon winners at Galesburg. Stock and eggs for sale. Catalog. Dr. F. G. Gurley, Galesburg, Ill. 3-5

TOM BARRON'S DIRECT imported champion 282-egg Leghorns. Scheperd Brothers, Parkville, Maryland. 3-5

D. W. YOUNG'S STRAIN DIRECT, Single Comb White Leghorns. Bred for their heavy laying and exhibition qualities. Eggs for hatching from grand matings. Catalogue free. H. Esmay & Son, Dorloo, N. Y. 3

SINGLE COMB WHITE LEGHORNS. Four firsts at Batavia. Circular free. H. W. Benson, Batavia, Illinois. 3-5

BLANCHARD - WYCKOFF SINGLE COMB White Leghorns. Eggs, $3.50, $4.00 and $4.50 per 100. Cockerels. Catalog free. W. Albers, Lombard, Ill. 3-5

S. C. WHITE LEGHORNS and White Wyandotte eggs, $1.50 per 15; $10.00 per 100. Baby chicks. Write for mating list. Ricketts Poultry Farm, R. D. No. 2, Johnstown, N. Y. 1-3

A "SQUARE DEAL" TO ALL—Whitney's S. C. White Leghorns are money makers. Bred to lay and exhibit. Eggs from best layers, $1.00 per 15; $1.75 per 30; $2.50 per 45; $5.00 per 100. Fertility guaranteed and "Golden Rule" observed. Booklet free. Wm. B. Whitney, Marlboro, Ulster Co., N. Y. 2-14-tf

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S. C. WHITE LEGHORNS—Corning's and Cyphers' first quality direct. Breeders; yearling great layers, $2.00, $3.00; splendid, vigorous cockerels, $3.00, $8.00. Eggs, $6.00 per 100. Chicks, $12.00. St. Johnsville Poultry Farm, St. Johnsville, N. Y. 2-4

COMMERCE STRAIN S. C. WHITE LEGHORNS—Originated for eggs, produce winners, too. They're white. Eggs, $1.00 per 15; $5.00 per 100. Chicks, 12c each. Everfresh Egg Farm, Dept. A, Ionia, Mich. 2-4

SINGLE COMB WHITE LEGHORNS—Iowa State Show winners. Large, free-range birds bred for heavy egg production. Send for mating list. Selected eggs, $4.00 per 100. Greenwood Farm, Hampton, Iowa. 2-4

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TOM BARRON COCKERELS, $5 each. Father of these cockerels imported direct. Single Comb White Leghorn cockerels from the Tomoka strain, $2.00 each. Catalog on request. Tomoka Poultry Farm, Ellington, Conn. 2-3

SINGLE COMB WHITE LEGHORNS—Fine cockerels, $1.00. Circular. Albert Daily, Frankfort, O. 2-4

SINGLE COMB WHITE LEGHORNS—Free range. Eggs, $4.00 per 100. Mrs. Ben Baskerville, "Hillcroft," Montrose, Mo. 2-5

S. C. WHITE LEGHORN EGGS—A strictly choice flock of matured winter layers raised on free range. 15 eggs for $1.00; 100 for $5.00; 1,000 for $45.00. Day-old chicks, 100 for $10.00. Satisfaction guaranteed. Mt. St. Francis Poultry Farm, Box E, Floyds Knobs, Ind. 2-5

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SINGLE COMB WHITE LEGHORNS—Eggs for hatching of high-scoring, trap-nested layers. Mating list free. Neubauer, Troy, Ill. 2-4

S. C. WHITE LEGHORNS—Eggs. J. B. Stephens, Newport, Pa. 2-4

S. C. WHITE LEGHORNS. Extra fine utility stock. Eggs, $3.00 for 15. Marjorie Hoffman, Red Hook, N. Y. 2-3

SINGLE COMB WHITE LEGHORN eggs for hatching from good winter layers, $1.00 per setting. David McPhee, R. 1, Norristown, Pa. 2-4

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SINGLE COMB WHITE LEGHORN cockerels, 196-egg strain, large, blue-white quilled, scoring to 96. Satisfaction or return. Five firsts Cleveland, 1913. George W. Wolfrum, Carey, Ohio. 1-3

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SINGLE COMB WHITE LEGHORN eggs, from 196-egg strain, large, white-quilled, scoring to 96. Five firsts at Cleveland, 1913. George W. Wolfrum, Carey, Ohio. 2-4

SINGLE COMB WHITE LEGHORNS. Very white. Heavy egg strain. Scoring to 96. Winners Columbus, Toledo, Dayton, etc. Large size. Satisfaction guaranteed. I. R. Mankel, Upper Sandusky, O. 1-3

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ESTABLISHED 1883. S. C. White Leghorns, the best in the west for thirty years. Choice stock for sale. Eggs in season. Write your wants. J. H. Kollmeyer, Quincy Heights Poultry Farm, Quincy, Ill. 1-3

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S. C. WHITE LEGHORNS. (Wyckoff and Young's.) Great layers, winning many prizes. Low prices. Circular free. J. A. Shineman, Canajoharie, N. Y. 1-3

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ROSE COMB WHITE LEGHORN cockerels for sale. Eggs for hatching. Dr. Decker, Bradford, N. Y. 1-3

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S. C. BROWN LEGHORNS. Eggs from my Chicago, St. Louis, Decatur, state show winners. Send for mating list. Geo. L. Hornbrook, Box B, Decatur, Illinois. 3-5

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ROSE COMB BROWN Leghorns, Kulp strain direct, the world's best laying strain. Eggs, $1.00 per 15, $5.00 100. Frank Shetler, Golconda, Ill. 3-5

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ROSE COMB BROWN Leghorn eggs for hatching. Both matings. Send for mating list. I. A. Fiedler & Son, Cuba City, Wis. 3-5

ROSE COMB BROWN LEGHORN cockerels, $2.00 to $8.00; eggs, $1.00 to $3.00 per 15. Big winners, big layers. Mating list. Gerald J. Donahue, Box 59, Delavan, Wis. 3-4

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ROSE COMB BROWN Leghorn cockerels, fine birds, good combs. J. W. Cook, Bluffton, Ind. 1-4

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S. C. BUFF LEGHORNS. Some good breeders and utility cockerels for disposal. Eggs for hatching from my three fine pens, $5, $3 and $1 for 15 eggs. Karl Nelson, 508 East Wall St., Morrison, Ill. 3-5

S. C. BUFF LEGHORN and Buff Rock eggs, $1.00 for 15; $5.00 per 100. Bourbon Red turkey eggs, $3.00 per 12. Write. O. E. Reynolds, Wharton, Ohio. 3-5

S. C. BUFF LEGHORNS—this season's winners at Indianapolis, Atlanta, Kansas City, St. Louis, Nashville, Knoxville, Louisville and others. Stock and eggs, prices very reasonable. C. V. Norris, Thorntown, Ind. 3

SINGLE COMB BUFF LEGHORNS exclusively. Select matings, 15 eggs, $1.50; utility stock, 15 eggs, $1.00, or $3.00 for 100. Mrs. Frank Carnahan, Adrian, Mich. 3-5

SINGLE COMB BUFF LEGHORNS of quality. Booking orders for eggs and chicks. Send for mating list. W. J. Offutt, New Castle, Pa. 3-5

MRS. GLEASON ADAMS Single Comb Buff Leghorns. Winners Pittsburgh, Cleveland, Columbus. Stock and eggs. Prices reasonable. Cambridge St., Coshocton, Ohio. 3-5

ROSE COMB BUFF LEGHORNS, Tecktonius strain. Winter egg producers. First pen, $2.50 per 15 eggs; utility pens, $1.25. E. B. Stacy, 929 South Cedar, Lansing, Mich. 3-5

ROSE COMB BUFF LEGHORNS, 13 eggs $1.00. Leonard A. Waltman, New Albany, Pa. 3-5

ROSE COMB BUFF LEGHORNS. Catalogue. Howard J. Fisk, Box A, Falconer, N. Y. 3-8

MADISON SQUARE, Greater Buffalo and Pittsburgh Poultry Exhibition winners this season. Two champions. Grand matings. Stock and eggs. Thornycroft Buff Leghorn Farm, Washington, Pa. 3-5

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MERIHEW'S BUFF LEGHORNS have shape and color that wins at Madison Square. Bred 16 years for large, white eggs. Breeders for sale. Mating list free. L. E. Merihew, Marathon, N. Y. 3-5

"AMERICAN QUALITY" SINGLE COMB Buff Leghorns won first hen, fifth pullet, fifth pen last Chicago Coliseum show. Eggs and stock priced right. Lee Munger, DeKalb, Ill. 3

BUFF LEGHORNS—SINGLE COMB, grand, large full buff breeding birds for sale, males and females; great egg producers. Eggs, $1.00 per 15, $5.00 per 110. Geo. C. Schwegman, Richmond, Ind. 2-5

BUFF LEGHORNS, Single Comb. Cincinnati, December, two entries, two firsts; Indianapolis, January, first, second, third cockerel, first pullet, second pen; 15 eggs, $1; 50, $3; 100, $5. James R. Pearcy, Martinsville, Ind. 2-4

SINGLE COMB BUFF LEGHORNS—Pen headed by first cock Buffalo's greater show, 1913; females consist of first pen Syracuse, first pen Ogden. Eggs, $10 setting. G. S. Boller, Little Valley, N. Y. 2-4

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SINGLE COMB BUFF LEGHORNS—Eggs from prize winners. Choice matings, 15, $1.50 and $3.00. Cockerels, finest quality, $2.00 to $5.00. Mrs. Seth Marsh, McKean, Pa. 2-5

SINGLE COMB BUFF LEGHORNS—Eggs for hatching from fine layers and prize winners. W. L. Jump, Route 2, Huron, O. 2-4

S. C. BUFF LEGHORNS direct from New York and Chicago winners; 2 matings; stock, eggs, baby chicks. F. J. Rosenberger, R. 9, Tiffin, O. 2-5

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S. C. BUFF LEGHORNS—Eggs, $1 per 15. Catalog free. Buff Leghorn Farm, Columbia, Pa. 2-4

SINGLE COMB BUFF LEGHORNS—Cockerels, $1.50, $3.00 and $5.00. Eggs, $1.50 and $3.00. Baby chicks, 17c each. C. Emmet Owen, Box 384, Machias, N. Y. 2-5

ROSE COMB BUFF LEGHORNS won first cock, first pullet, second hen, fourth cockerel on four entries at Chicago, Dec. 12 to 17, 1913. Eggs for hatching. Write for mating list. Geo. F. Hoffman, Cuba City, Wis. 2-5

WINNING AND LAYING is a habit with Blouch's Single Comb Buff Leghorns, winning first at the world's best shows. Stock, eggs, chicks. Catalogue free. Buff Leghorn Poultry Yards, Annville, Pa. 1-3

S. C. BUFF LEGHORNS. We have five-pound layers of life-size white eggs. Five-acre range; open-front houses. Eggs, $2.00 and $3.00 per 15. Baby chicks. Cockerels. Circular. Dr. Wm. L. Farrand & Sons, Appleton, Wis. 1-3

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SOMETHING NEW—BLUE LEGHORNS. Our stock from winners Madison Square Garden. Eggs only. Scherer & Clark. Olney, Ill. 2-4

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50,000 S. C. WHITE, Buff and Brown Leghorn yearlings, pullets, cockerels; baby chicks and eggs. Catalogue stamp. Failing Poultry Farm, LaFargeville, N. Y. 3-6

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WHITE ENGLISH LEGHORNS—Queen of the egg laying races. Larger than an American Leghorn. Excellent table qualities, lay very heavy large white eggs, quiet and gentle. Hatching eggs, $5.00 per 15. Mrs. C. S. Chandler, Liberty, Neb. 2-4

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SINGLE COMB BLACK Minorcas exclusively (Northup strain). Eggs, $1.50 per 15. Cockerels, $2.00 and $3.00. B. C. Deyo, New Paltz, N. Y. 3-5

SINGLE COMB BLACK MINORCA eggs $1 per setting, $5 per hundred. Catalogue. A. F. Shaw, Carmel, Ind. 3-5

EGGS FROM SINGLE COMB Black Minorcas bred for size and heavy egg production. M. B. Corliss, Chenoa, Illinois. 3-5

EGGS FROM HIGH-SCORING EXHIBITION Single Comb Black Minorcas with winnings at Chicago, Springfield, Peoria, Canton. Douglas Clarke, Chenoa, Illinois. 3-5

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SINGLE COMB BLACK Minorcas. Careful breeding. Eggs for setting. Charles F. Beck, LaFayette, Ind. 3-5

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ROSE AND SINGLE COMB Black Minorcas. Choice breeders for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

BESWICK'S ROSE COMB Black Minorcas—Great laying strain. Eggs from Cleveland winners. Mating list for a postal. J. Beswick, Berea, O. 2-4

S. C. B. MINORCAS—Eggs, 10c each, $5 per 100. Lena E. McKay, Macon, Mo. 2-4

S. C. BLACK MINORCAS. Northrup strain, won third pullet at St. Louis, 1913. 50 grand cockerels and pullets for sale. Eggs in season. J. C. Batts, Ewing, Ill. 2-4

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R. C. BLACK MINORCA cockerels. Extra fine, $2.50 each. D. W. Good, Sterling, Ill. 2-3

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HARTMAN'S SINGLE COMB BLACK Minorcas again winning their share at Chicago great midwest show, Dec., 1913; 1st cockerel, 2nd pen. Mating list about Feb. 15th. Maywood Poultry Yards, August E. Hartman, 405 N. 7th Ave., Maywood, Ill. 2-4

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SINGLE COMB BLACK MINORCAS exclusively. Northrup foundation. Write for price of stock. Satisfaction guaranteed. Hope Farm Poultry Yards, Route 2, Dayton, O. 2-4

SINGLE COMB BLACK MINORCAS—A finer pen you never saw. Eggs, $1.50 per 15. E. D. Willson, Wauseon, O. 2-4

ROSE COMB BLACK MINORCAS—Big birds, bred for eggs and combined show points. Eggs and chicks at moderate prices. Write. S. W. Kline, Box 50, Middlecreek, Pa. 2-4

BEAT THIS! GRAND Rose Comb Black Minorcas. Eggs, 5c apiece. Rev. Paul Wagner, Beaufort, Mo. 2-4

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FOR SALE—SINGLE Comb Black Minorca cockerels and pullets. Prize winning stock. Gus Steffen, Bismarck, Mo. 1-3

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ROSE COMB BLACK MINORCA hens and cockerels. Northrup strain, choice stock. O. T. Singer, New Cumberland, O. 1-3

SINGLE COMB BLACK MINORCAS. Extraordinary value in stock, eggs and baby chicks. Write for catalogue. Winners at Madison Square Garden, Palace, Philadelphia, Baltimore, Hagerstown, Allentown, Augusta, Williamsport and all the large shows. Metuchen Poultry Farm, Box 536A, Metuchen, N. J. 1-3

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BIG PROFITS in Single Comb Black, Rose and Single Comb White Minorcas. Eggs, $3.00 setting; two, $5.00. Write! Columbian Poultry Yards, 624B, Canastota, N. Y. 3-5

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S. C. WHITE ORPINGTON eggs for hatching, from high-scoring, prize-winning birds, $1.50 and $2.00 per setting; $5.00 and $7.00 per 100 eggs. Restland Floral Co., Mendota, Ill. 3

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SOME CHOICE WHITE ORPINGTON pullets and yearling hens from prize winning stock. We are quoting low prices to reduce surplus stock. Write us. Walnut Hill Farm, Washington, Pa. 3-4

EGGS! EGGS! EGGS! Aldrich and Kellerstrass strains S. C. White Orpingtons, winners of the blue wherever shown, $3.00 and $5.00 per 15, charges prepaid. Why pay more? Mating list free. Frank Chapman, Canton, Ill. 3-5

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EGGS FOR HATCHING from my White Crested Black Polish Pen 1, headed with male, winner at Chicago and Elgin. Eggs, $2.00; my best, $3.00 per setting. Chas. A. Dahlin, Winnetka, Ill. 2-4

BARRED PLYMOUTH ROCKS.

HATHAWAY'S BARRED ROCKS—Two cockerels, $5. Eggs, $2; two settings, $3. Geo. C. Hathaway, Sheldon, Ill. 3-5

"RINGLET" BARRED ROCKS. Exhibition quality. Hen hatched, hen raised; $2.00 to $8.00 each; pens, five birds, $10.00 to $20.00, cockerel and pullet mating. Sold on approval. Circulars. John Northon, Clare, Mich. 3

BENNETT'S BARRED ROCKS WIN. Eggs, $3.00 per setting; $10.00 per 100. After April 10th half price. Satisfaction guaranteed. Correspondence solicited. Baby chicks. R. M. Bennett, Box 591, South Charleston, Ohio. 3-5

BARRED ROCKS—Eggs, chicks, stock cheap; great laying strain. Macomb Fanciers Co., Macomb, Ill. 3-5

BARRED ROCKS EXCLUSIVELY. Ringlet strain. Eggs for hatching, $2.00 per 15, or $3.00 per 30. No incubator orders or surplus stock for sale. All sold. Ed Martin, Route 25, Oconomowoc, Wis. 3-5

THOMPSON & LATHAM Barred Rocks. Best on earth. Eggs, ½ price. Mart Rahn, R. 20, Clarinda, Iowa. 3

BARRED ROCKS, Bradley strain direct. Eggs from choice mating of 1914 winners, $3; two settings, $5. Satisfaction guaranteed. E. G. Button, Greenup, Illinois. 3-5

EGGS FOR SALE from farm raised winter laying Barred Rocks, $1.00 per 15. Herman Kaiser, R. R. No. 1, Washington, Mo. 3-5

BARRED ROCKS. Winners in 4 shows in strong competition. Mating list free. Park Lane Poultry Yards, Antigo, Wis. 3-5

BARRED PLYMOUTH ROCK eggs $1 per setting, $5 per hundred. Catalogue. A. F. Shaw, Carmel, Ind. 3-5

RINGLET BARRED ROCKS. 15 eggs, $1.00. Circulars. V. I. Hochstetler, Route 3, Nappanee, Ind. 3-5

BARRED ROCKS. Winners at Chicago, Cincinnati, Hamilton. Breeding and winning for 15 years. Heavy winter layers. Eggs for setting and incubator lots. Plymouth Yards, Dept. 2, College Hill, Ohio. 3-5

EGGS, 100, $4.00; SETTING, $1.00. Mammoth Barred Rocks; weight to 16 lbs. Howard Irvin, Polo, Ill. 3-6

EGGS FROM BRADLEY cockerel line, Latham pullet line. None better. Send for circular, mating list and show record for past year. G. W. Sword & Son, Lanark, Ill. 3-5

BARRED ROCK EGGS from my Cleveland, Columbus, Toledo, Bucyrus winners. Also show birds and breeders. Charles E. Himes, Rudolph, Ohio. 3-5

BARRED PLYMOUTH ROCKS. Exhibition and utility stock. Eggs for hatching, day-old chicks. Few real good cockerels for sale. C. H. Beebe, Saddle River, New Jersey. 3-5

THOMPSON'S STRAIN "RINGLETS." farm raised. Eggs, well packed, 15, $1.00; 100, $4.00. Fertility guaranteed. Ade Stevens, De Pauw, Ind. 3

BARRED PLYMOUTH ROCKS. Pure bred. E. B. Thompson's Ringlet strain. 26 eggs $1.00, $3.50 per 100. Address Ben Custer, Route 9, Madison, Ind. 3-5

RINGLET BARRED ROCKS, selected eggs, $1.00 setting. B. Rhodes, Port Jervis, N. Y. Phone 384J. 3-5

BARRED ROCK EGGS, $2.00 for 15. Ira E. Miner, Shavertown, N. Y. 3

THOMPSON RINGLET BARRED ROCKS. Eggs, $2.00 15. Mrs. James Whitesides, Memphis, Ind. 3-5

RINGLET BARRED ROCKS that win and produce winners. Sixteen birds shown, twelve prizes won. Eggs from exhibition matings, $3 and $5 per 15. Mating list. Utility egg prices and show winnings free. Mrs. J. M. Kemp, Kenney, Ill. 3-5

THOMPSON'S RINGLET BARRED Rock eggs, $2.00 15, $3.50 30; special matings, $3.00 15, $5.00 30. Mrs. H. Scofield, Strawberry Point, Iowa. 3-5

BARRED ROCK EGGS, Ringlet strain, large, healthy, nicely barred birds; setting, $1.50; 100, $6.00. Infertiles replaced free on 100-egg orders. Walter Irven, Brookville, Ill. 3-5

BARRED ROCKS—15 eggs $2.00. O. F. Gothke, Whitehouse, Ohio. 3-5

$5.00 BUYS A COCKEREL from 277 trapnested hen, Thompson strain. Wm. J. Heyer, Wilkes-Barre, Pa. 3

BARRED ROCKS. Choice breeders for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

RINGLET BARRED ROCKS. Eggs, $1.50 to $5. Mating list free. M. L. Stamper, Clifton Hill, Mo. 3-5

20 EGGS $1.00. From our fine large and extra heavy laying strain of Barred Plymouth Rocks. Write for circular. W. H. Anger, Madison, Indiana. 3-5

BARRED ROCKS. Bred for egg production and exhibition. Hens weigh 7 to 9 pounds. Average 183 to 218 eggs per year. Eggs, $2.00 per setting. A few April pullets, $3.00 and $5.00. C. L. Rivenburgh, Rockville Centre, New York. 3

BARRED PLYMOUTH ROCKS. Bradley strain. Farm raised, $1.00 per 15. Fred Scholl, Memphis, Indiana. 2-5

BARRED ROCK eggs and breeders from my Indiana State Fair winners. Prices reasonable. Chas. G. Fuller, Box A, Bicknell, Ind. 2-4

BARRED ROCK COCKERELS. Prize winners. $2.00 to $5.00 each. E. J. Crawford, Crown Point, Ind. 2-3

BLUE RIBBON WINNER Barred Rocks won ten Ribbons on twelve entries at the last great Music Hall Show, Cincinnati, Ohio, in the strongest class of Rocks shown in Central West. Have a few good Cockerels left, both matings. Eggs, $2 per setting and up. Wm. Springmeyer, 139 W. 6th St., Cincinnati, O. 2-4

FOR SALE—BARRED ROCK pullets that will make splendid layers. Also incubator eggs. L. F. Thompson, Hope, Ind. 2-3

26 EGGS $1.00; $3.50 per 100. Thompson's "Ringlet" strain of pure bred Barred Plymouth Rocks. Write for circular. Frank Moore, Madison, Ind. 2-4

VOYLES' BARRED ROCKS are winners. First pen Louisville, Ky., 1912, 8 yards, both matings. Incubator eggs, $4 per 100. Selected mating, $2 to $3 per 15. A few choice cockerels left. Satisfaction guaranteed. Wm. R. Voyles, Ramsey, Ind., Box O. 2-4

THOMPSON RINGLET ROCK cockerels, $3; 15 eggs for $2. Leonard Felker, Beardstown, Ill. 2-4

COCKERELS, HENS, PULLETS. Double mating; a splendid lot; none better, few as good. Prices reasonable. Birds produced from prize winners from some of our largest shows. State your wants. Write for information. W. H. Goddard, Muncie, Ind. 2-3

BARRED PLYMOUTH ROCKS.

AM NOW BOOKING ORDERS for eggs from bred-to-lay Barred Rocks. All yards mated to cockerels from J. W. Parks, direct. Eggs, $10.00 per 100; $2.00 per 15. Stock for sale. J. W. Bugg, Assumption, Ill. 2-4

BARRED PLYMOUTH ROCKS—eggs, $1.50 per 15. Bert Funkhouser, Ridgeville Corners, Ohio. 2-4

MY STAMINA STRAIN BARRED Rocks won first prize at big Minneapolis show this January. Breeders and hatching eggs cheap. Delivered free. Satisfaction guaranteed. Write me. R. G. Hill, River Falls, Wis. 2-4

BARRED ROCKS—THOMPSON'S Ringlets—Eggs, 100, $3.50; 15, $1.00; 30, $1.75. E. P. Churchill, Allerton, R. 3, Iowa. 2-4

BRED TO LAY BARRED Rocks exclusively. Large, brown eggs for hatching. Closing bargains in valuable cockerels. Write for prices. C. A. Newcomb, Celina, O. 2-4

50 BARRED ROCK COCKERELS. Elegant shape, size and barring for show or breeders. Pens mated. Eggs from prize winners; $2 setting. Write me. J. C. Spence & Son, 2809 Chase St., Anderson, Ind. 1-3

PARKS' 200 EGG BARRED Rocks. Pens headed by son of Parks' hen, "Muzz," 232 eggs. Hens with records 238-246 eggs. 15 eggs, $1.50. Circular free. Frederick Matteson, 3808 Woodley Lane, Washington, D. C. 1-3

BARRED ROCKS — THOMPSON, HAWKINS and Bradley strain. Shipped on trial, approval or C. O. D. Pullets and cockerels, $1.00 each. Mrs. Edith Chelton, Landonville, Md. 1-3

BARRED ROCK HATCHING EGGS. $1.50 for 15. $6.00 per hundred. "T-O-P" heavy laying utility strain. Seven hundred yearling breeders. Book orders early and avoid disappointment. Twin Oak Poultry Farm, Williamstown, Mass. 1-3

BARRED ROCKS, E. B. Thompson's strain. Cockerels, $3.00 to $5.00. Sent on approval. Won at the Madison show, 1913, thirteen ribbons, six firsts. Mrs. E. A. Oliver, Belleville, Wis. 1-3

FIFTEEN LATHAM BARRED hens and cock. Partridge Rock cockerels. Edna Diehl, Morrisonville, Ill. 1-3

BARRED ROCKS—Winter laying strain bred for utility and vigor. Beauty always in view. Prices reasonable. Best references and a square deal. The Fowlers of Maplecroft, Box 264, Youngstown, O. 1-3

COCKERELS SIRED BY "Aristocrats" direct from "Holter's Roost," are hard to beat; both matings. I'll do my best to please you. Write now. Chas. Morgan, Loda, Ill. 1-3

WHITE PLYMOUTH ROCKS.

WHITE ROCK EGGS from three pens of prize winners. Prices within reach of all. Mating list free. Hardy & Hardy, Hampton, Iowa. 3-5

HIGH CLASS WHITE ROCKS. Pullets and eggs for sale. Mrs. E. Hintz, Warrenton, Mo. 3-5

WHITE PLYMOUTH ROCK baby chicks, $10 100. Eggs, $5 100. Louie Galt, Appleton City, Mo. 3-5

WHITE ROCKS—Eggs, chicks, stock cheap; fine, heavy laying strains. Macomb Fanciers Co., Macomb, Ill. 3-5

HOCH & FREDERICK, Box O, Chambersburg, Pa. White Rocks. Stock for every purpose. Eggs for hatching. Season's winners nine shows. 3-8

WHITE PLYMOUTH ROCKS. Day-old chicks, $15.00 per 100. Eggs, $1.50 per 15. Every pen headed by male of exhibition quality, direct from Fishel's best. Females of excellent quality. Write wants. F. W. Driscoll, Radkey, Indiana. 3

WHITE PLYMOUTH ROCKS. Sixty acres devoted to the breed. Eggs, $2 per 30, $5 per 100. Catalogue free. Philip Condon, Box 7, West Chester, Ohio. 3-5

FISHEL WHITE ROCKS. Eggs from extra selected stock, $2.00 per 15. R. K. Galebach, Elm, Pa. 3

RETIRING SALE—Twenty-four White Rock hens, hatched from eggs direct from Fishel, $3.00 each. Pullets from above hens, $2.50 each. Sunflower Poultry Yards, Grafton, Ill. 2-3

WHITE ROCKS—stock and eggs. Also all leading varieties of baby chicks. The Acme Poultry Farm, New Bremen, O. 2-4

HAVE BRED WHITE PLYMOUTH ROCKS exclusively 7 years from best leading strains. Eggs from large, thrifty, farm raised stock, $5.50 per 100. Satisfaction guaranteed. C. F. Long, Waggoner, Ill. 3-5

PRIZE WINNING WHITE ROCKS. I won at Appleton in hot class of 77 birds 1st, 2nd cock, 2nd, 3rd, 4th hen, 2nd pen, and color special best male on entry of 6 birds. This proves their quality. Stock, eggs and baby chicks. Write at once. Geo. A. Carpenter, Appleton, Wis. 3

FISHEL WHITE ROCKS. Eggs, $1.00 15, $2.50 50, $4.50 100. White Feather Farm, New Bremen, Ohio. 3-5

FISHEL WHITE ROCKS. Eggs for hatching, from selected matings. Cornelius Heinfeld, New Bremen, Ohio. 3

WHITE PLYMOUTH ROCKS. Fourteen years with this variety. Egg catalog free. J. T. Thompson, Hope, Indiana. 3

TRAP-NESTED WHITE ROCKS. Bred for eggs. High record 255. Flock average 170.9. Eggs for hatching, $2 per setting. A. L. McClellan, Route 8, Mansfield, O. 2-4

MOORE'S WHITE ROCKS. First prize winners at Hagerstown, Cleveland, Columbus and Ohio State Fair. Free picture of "Napoleon," the best White Rock cockerel in the world. Eggs, $1.50, $3.00 and $5.00 per setting. Send today for mating list. Geo. S. Moore, Clintonville, O. 3-4

WHITE ROCKS, blue ribbon winners at several large shows, choice stock. Now booking orders. Eggs and chicks. Free catalogue. Whiteview Poultry Yards, Mishawaka, Ind. 3-5

WHITE ROCKS (Fishel strain direct). 25 choice pullets, $2 each. Sterling Poultry Co., Sterling, Ill. 3

WHITE ROCKS. Cockerels, $2.00; trios, $5.00; pens, $8.00; eggs, $2.00 per 15. W. C. Kassebaum, Plymouth, Wis. 3-4

RUBLE'S PRIZE WINNING White Rocks. Stock and eggs for sale. Beru Ruble, Powhatan Point, Ohio. 3-5

WHITE ROCKS, hatched from eggs direct from Fishel; hens, $2, and cockerels from these hens, $2 and $3. Eggs, $1.50 setting; 50 eggs, $4; 100 eggs, $7. Order from adv. Sunflower Poultry Yard, Grafton, Ill. 3-4

WHITE ROCKS, CHOICE BREEDERS for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

WHITE PLYMOUTH ROCKS (Fishel strain direct) Choice cockerels and pullets for sale reasonable. Eggs, $3.00 per 15. H. J. Coleman, Box 221, Milan, Ohio. 3-4

WHITE ROCK COCKERELS, $5; pullets and hens, $3. R. Burnett, Anna, Ill. 2-3

LYON'S LAYING STRAIN White Rocks. Lyon, 1826 Lafayette Ave., Terre Haute, Ind. 2-4

WHITE ROCKS—200-egg strain—15 eggs $1.00, 50 $3.00, 100 $5.00. Elliott & Rollings, Jacobs Creek, Pa. 2-4

HIGH CLASS WHITE ROCKS, Fishel strain direct. Wonderful layers, 15 eggs, $1.00; 50 eggs, $3.00; 100, $5.00; 200, $10.00. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 2-5

WHITE ROCKS, DIRECT FROM FISHEL. Range raised, trap-nested stock. Winners at leading Illinois shows. Eggs, $2.00, $3.00 and $5.00 per 15. Baby chicks, 20c to 40c each. Discount for quantity. Mating list free. R. A. Pritchett, White Hall, Illinois. 2-4

WHITE ROCKS EXCLUSIVELY (Fishel direct). Eggs, $2.00 and $1.00 per setting. John Lively, Wellston, Ohio. 2-4

WHITE PLYMOUTH ROCKS. Early cockerels for sale, $3.00 up, from highest quality stock. Satisfaction guaranteed. Eggs, $2.00 and $3.50 a setting, after February 1. Theodore Poole, Syracuse, N. Y. 1-4

WHITE ROCK EGGS from winners. Send for circular now. C. F. Deichmann, Forestville, Conn. 2-4

HIGH CLASS WHITE ROCKS, Fishel direct, 15 eggs, $1.00; 100 eggs, $5.00; 200 eggs, $9.00. George Lehmkuhl, Box 182, New Bremen, Ohio. 2-5

WHITE ROCKS. THE BIRDS with a foundation of winning and laying qualities. I have very choice cockerels and pullets, snow white birds, for sale. Satisfaction or money back. For eggs write me. Mrs. Louisa White, Washington, Ill. 2-4

COLLINGS' PREMIUM WHITE Rocks please particular people. Excellent stock for sale; order eggs early. J. G. Collings, Terre Haute, Ind. 1-3

FISHEL WHITE ROCKS. Good utility cockerels, $1.50 and $2.00 each. W. L. Seibert, Mt. Carmel, Ill. 1-3

FISHEL DIRECT EXCLUSIVELY. Choice cockerels, $2.50 to $5.00. Eggs, $2.50 per setting in season. C. L. Hartzell, Dustin, Okla. 1-3

WHITE ROCKS EXCLUSIVELY. Silver cup winners at Hamilton, Cincinnati, Indianapolis for 12 years. Farm raised. Cockerels, $3 to $15. Show pullets and hens, $10. Eggs from exhibition pens, $5 per 15. H. L. Brown, Oxford, O. 1-3

WHITE ROCKS (FISHEL), Husky, vigorous cockerels. Baby chicks. Eggs. Mating list. Thomas Richardson, Evanston, Ill. 1-3

WHITE ROCKS. Cockerels, $2.00 up; trios, $5.00; pens, $8.00. C. Roy Morgan, Bristol, W. Va. 1-3

EVENTUALLY YOU WILL WANT the best White Plymouth Rocks. Why not buy them now? Write me today. E. A. Hayward, Cooksville, Ill. 1-3

SINGLE COMB WHITE PLYMOUTH Rocks. Eggs and stock. Prices reasonable. I. C. Young, Malta, O. 1-3

BUFF PLYMOUTH ROCKS.

ASTLE'S QUALITY BUFF ROCKS win 1st cock, silver cup and shape special and 1st hen at Ft. Wayne, Indiana, Quality Show. Egg curcular ready. Milan C. Astle, Box A, Momence, Ill. 3

BUFF ROCKS, excellent winter layers, eggs reasonable, circular free. W. J. Meglitsch, Harvel, Ill. 3-5

BUFF ROCKS. Hatching eggs. Best stock, $1.25 for fifteen. Shearer-Henry Poultry Yards, Delavan, Wis. 3

BUFF ROCKS! THE WORLD'S greatest strains. Won four firsts at St. Paul, Minnesota. Also sweepstake winners at Wisconsin State, Madison and Janesville. Eggs from five exhibition matings. Illustrated catalogue. Frank Kramer, Fort Atkinson, Wis. 2-5

WARD'S CHAMPION BUFF ROCKS, winners at largest shows. Eggs, $4.00 for 15. R. W. Ward, Normal, Ill. 3-5

BUFF ROCKS—POLEY'S and Nugget strains. Eggs, $1.50 for 15. Splendid layers. W. F. Martin, East Ave., Elmira, N. Y. 3

BUFF ROCKS. GRAND lot of stock at half their value. Pens and trios bred to lay. Eggs, $2 per 15. C. D. Powell, Vermilion, O. 2-4

BUFF ROCKS—Large laying kind. 15 eggs, $1. Rev. Wm. Cunningham, Tamaroa, Ill. 2-3

BUFF PLYMOUTH ROCKS of the quality kind. Get my prices on stock and eggs before you order elsewhere. O. E. Beals, R. 32, Vermilion, Ill. 1-3

BUFF ROCKS—Winners and great layers. Great shape, size and color. Cocks, hens, cockerels, pullets, chicks. Eggs for sale. Chas. C. Reinoehl, North Lawrence, O. 1-3

BUFF ROCK EGGS. Poley's strain direct, and others, $1.50 to $3.00 per 15. Circular free. J. A. Heiser, Fisher, Ill. 1-4

PARTRIDGE PLYMOUTH ROCKS.

PARTRIDGE PLYMOUTH ROCK cockerels, $2.00. Eggs, $2.00 per 15. Satisfaction guaranteed, Fred Kypke, Lake Mills, Wis. 3-5

PARTRIDGE ROCKS of size and quality, good breeding. Cockerels, $2.00 to $3.00 each. E. L. Brown, Dennison, Ohio. 3

PEERLESS PARTRIDGE ROCKS. Before placing orders, send for our mating list. Eggs, 1 and 2 dollars per 15, $5 per hundred. Bass Bros., Box 300, Borodino, N. Y. 3

LOYD'S PRIZE-WINNING Partridge Rocks, Boston, Chicago, Cleveland, Cincinnati, Indianapolis, Nashville, Columbus winners. Eggs from our prize winners at reasonable prices. Stock for sale. Circular free. Mention American. C. J. Loyd & Son, Greensburg, Ind. 3-5

CHICAGO, ST. LOUIS, HAMILTON, OHIO, Topeka, Sioux City and Minneapolis winners. Stock and eggs for sale. Milton Schmidt, Chaska, Minnesota. 3-5

PARTRIDGE ROCK STOCK AND EGGS. Detroit, Illinois and New York State Fair winners. Breeders May removal sale cheap. Cyrus Pattee & Son, South Bend, Ind. 3-5

"RIVERDALE" PARTRIDGE ROCKS, 200 good birds for sale. Eggs. Ask for mating list. R. H. Schuler, Roann, Ind. 3-4

PARTRIDGE ROCKS. Eggs and baby chicks of quality. W. R. Craun, Butler, Ind. 3-5

PARTRIDGE PLYMOUTH ROCK eggs. Fine cockerels and pullets. Eleven out of 12 firsts, 34 ribbons at three of largest shows in Northwest, display and cups. Dr. C. P. Peterson, Mankato, Minn. 3-5

PARTRIDGE ROCK EGGS for hatching from 1st prize winners at Freeport, Rockford and Elgin. Send for catalog. Paul Wurtzel, Box 21, Freeport, Ill. 3-5

PARTRIDGE ROCKS. Three entries won first and second pullets, second pen, best colored female at Ohio State Show. Eggs for sale. Write for prices. Dr. A. O. Soldner, Mechanicsburg, Ohio. 3-5

PARTRIDGE ROCKS (Bird Bros.' strain). Choice stock. Prices reasonable. Harry O. Kimble, Mishawaka, Ind. 2-3

PARTRIDGE ROCKS. Farm raised. Circular. Glenn Jackson, Dana, Indiana. 2-4

ELEGANT PARTRIDGE ROCK cockerels at half price. Sturtevant Poultry Co., Delavan, Wis. 3

PARTRIDGE ROCK PULLETS, from farm range, at moderate prices, while they last. Herb. Shipe, Monongahela, Pa. 3

QUEEN CITY PARTRIDGE ROCKS, exhibition, utility stock, eggs, day-old chicks. L. E. Inman, Ridge Ave., Pleasant Ridge, Cincinnati, Ohio. 3

PARTRIDGE ROCKS. Splendid layers. Choice, prize winning cockerels. Eggs. Investigate. Dr. Underwood, Fond du Lac, Wis. 2-4

MY PARTRIDGE ROCKS win in hot competition at five shows. Four grand pens. Eggs, $2.00 and $3.00 per 15. Stock for sale. Send for circular. C. A. Shortt, Alpena, Mich. 2-4

PARTRIDGE ROCKS, Hamilton, Cincinnati, Chicago, Madison Square Garden winners for sale. Write for list. Walter C. Renaker, Fernbank, Cincinnati, Ohio. 2-4

FOR SALE—PARTRIDGE Rock cockerels, Noftzger strain, three dollars each. D. C. Davis, Cimarron, Kan. 2-4

PARTRIDGE PLYMOUTH ROCKS. Noftzger strain. High scoring stock. Winners wherever shown. Eggs, $2 per 15; $3.50 per 30. Stock for sale. Write your wants. Edwin Sirois, St. Anne, Ill. 2-5

PARTRIDGE ROCKS. A few choice cockerels for sale, bred from show winners. Pens now mated for egg trade. D. & C. Poultry Farm, Port Huron, Mich. 2-4

PARTRIDGE PLYMOUTH ROCKS of quality. Stock for sale and eggs in season. C. W. Sweet, Shelby, O. 1-3

PARTRIDGE ROCKS. Eggs from large, vigorous stock. $2.00 per 15; $3.00-30; $4.00-50; $7.00-100. Hez. Kinter, Dillsburg, Pa. 1-3

ILLINOIS STATE SHOW winners. Circular free. John Hacker, State Vice President, Box C, Marissa, Ill. 1-3

PARTRIDGE ROCKS. For stock and eggs address W. H. Hammond, Fort Gay, W. Va. 1-3

PARTRIDGE PLYMOUTH ROCKS of the highest quality. Can furnish show birds and good breeders at reasonable prices. True Rock type and correct markings. Eggs in season, $3.00 per 15, $5.00 per 30. Will L. Clark, Sullivan, Ohio. 7-13-tf

COLUMBIAN PLYMOUTH ROCKS.

HEY, LOOK HERE! Otter Creek Poultry Farm, Toledo, O., can furnish you high-class Columbian Rock eggs at reasonable prices. 3

COLUMBIAN PLYMOUTH ROCKS bred for eggs and exhibition. Let us tell you about our Indianapolis and Chicago prize winners and the stock we have for sale. G. W. Garlock, Fort Atkinson, Wis. 1-3

SILVER PENCILED PLYMOUTH ROCKS.

MY PRIZE WINNING Silver Penciled Plymouth Rocks have won at Madison Square, Central Palace, Hempstead and Riverhead and will win for you. Wm. M. Jones, East Hampton, N. Y. 3-5

PRIZE WINNING Silver Penciled Plymouth Rocks. Eggs, $2.00 and $3.00 per fifteen. James Fry, Shillington, Pa. 3-5

SILVER PENCILED PLYMOUTH ROCKS. Stock and eggs from Blue Ribbon winners only. Satisfaction guaranteed. Eugene Ditzler, Davis, Ill. 3-4

PLYMOUTH ROCKS—SEVERAL VARIETIES.

EGGS FOR HATCHING from the Perfection strain of Golden Buff and Silver Penciled Plymouth Rocks, champions of America. Blue ribbon winners at America's greatest shows. Mating list free. Cecelia Jungels, Box A, Lemont, Ill. 3-5

WHITE AND BARRED ROCKS. Strong winners and layers. Exhibition matings for results. $4 per 15 eggs; utility, $1 per 15; $5 per 100. Edelweiss Poultry Farm, San Jose, Ill. 3-5

BARRED, WHITE, BUFF ROCKS, stock and eggs. August W. Schroeder, St. Peter, Ill. 3

WHITE AND BARRED ROCK eggs for hatching. Burket's Poultry Farm, Route 1, Frenchtown, New Jersey. 2-5

GOLDEN BARRED ROCKS—the new beauty and utility breed. Plumage buff barring on white. L. E. Altwein, St. Joseph, Mo. 1-3

RHODE ISLAND REDS.

ROSE COMB RHODE Island Red eggs for sale. First pen, 15 eggs, $5.00; 2nd pen, 15 eggs, $3.00, or 30 eggs, $5.00; 3rd pen, 15 eggs, $1.50, or 30 eggs, $2.50; incubator eggs, $6.00 per 100. My birds have won at Chicago, Cleveland, Cincinnati, Dayton, Ft. Wayne, Tiffin and Toledo. Robert Mauer, Perrysburg, Ohio. 3

S. C. R. RED eggs for hatching. Range eggs, $5.00 per 100. Mrs. C. F. Spurling, Box 49, Lovington, Ill. 3-5

"PENN VIEW" REDS. Rose Comb. Eggs and baby chicks from heavy winter layers. Anderson's "Penn View" Farm, Pattenburg, N. J. 3-4

ROSE COMB RHODE Island Reds, Buschmann strain. Single Comb Black Minorcas. Eggs, $1.25 per 15. W. Perry Crafts, Barker, N. Y. 3-5

SINGLE COMB REDS—Hatching eggs from selected stock. Eight grand pens. Excellent layers. $1.00 per 15, $5.00 per 100. Satisfaction guaranteed. R. C. Cooper, Downers Grove, Ill. 3-5

R. I. REDS—Eggs, chicks, stock cheap; both combs; heavy laying strains. Macomb Fanciers Co., Macomb, Ill. 3-5

S. C. R. I. RED cocks and cockerels, direct from famous champion pens. Low prices. Eggs for hatching. Red Ranch, South Haven, Mich. 3

BOTH COMB REDS, winners at big shows, stock and eggs for sale, catalogue free. Mrs. F. C. Krueger, Rockford Road, Charles City, Iowa. 3-5

SINGLE COMB R. I. RED eggs, $1.00 per 15. Carver strain $25 pen. Jesse H. Richardson, Toboso, Ohio. 3

SINGLE COMB REDS. Eggs, Choice matings, $1.50 to $2.00 for 15; range, $4 per 100. Eight years exclusively. Mrs. Lela Mahon, St. Peter, Ill. 3-5

SINGLE COMB R. I. REDS that are red. Eggs for hatching. A. M. Holman, Wild Rose, Wis. 3

SINGLE COMB REDS, Macoupin Chief 1st and 2nd and two other classy red boys head four pens of hens and pullets that won twenty ribbons in 1913. Eggs, $2.00 to $5.00 per fifteen. Mating list free. Prof. J. D. Conley, Carlinville, Ill. 3-5

FOR SALE—A WINNER, Single Comb R. I. Red cockerel, very even, dark red color from comb to tail, was awarded 2nd prize at South Bend, Ind. Hatched from egg direct from yards I. W. Bean. First $15.00 takes him. W. D. Wright, Bremen, Ind. 3

MOORE'S SINGLE COMB REDS won 3 firsts, second, fourth, and color special at Washington, 1914. Great winter layers. Guaranteed eggs, $2 15, $5 50, $8 100. Circular free. C. S. Moore, Station A, Washington, D. C. 1-3

R. I. REDS, BOTH COMBS. Choice breeders for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

R. I. REDS. BOTH COMBS. Don't buy eggs until you get my low price on eggs from my prize winning birds. Write for mating list. Good breeders for sale at bargain prices. Chas. L. Smith, L. B. 250, Byesville, Ohio. 3

ROSE AND SINGLE COMB stock and eggs reasonable; Buschmann's strain. August W. Schroeder, St. Peter, Ill. 3

WHITTAKER'S ROSE COMB REDS. Winners in United States and Canada. Eggs and day-old chicks. Illustrated booklet free. Interlakes Farm, Box 22, Lawrence, Michigan. 3-5

ROSE COMB RED eggs from Columbus, Ohio, and Muncie, Ind., winners, $1 and $2 per 15. Philip Fortman, New Western, Ohio. 3

EGGS FROM CLEAR marked, pure colored Rose Comb Reds. Elmer Baum, Cooksville, Ill. 3-5

RHODE ISLAND REDS, Rose, Single. Breeder of record laying and prize winning strain. Over twenty-five years' experience. Eggs, $2.00 15, $5.00 50, $10.00 108. Elm Poultry Farm, W. S. Harris, Mansfield, Mass. 3-5

ROSE COMB RED, Bean strain, eggs, $2.00 per 15. Emerson Poultry Yards, Emerson, Neb. 3-5

S. C. REDS EXCLUSIVELY. Good type and color. Large, vigorous, range-raised birds. Eggs from choice pens, $3.00 per 15; $5.00 per 30. L. J. Stahl, Washington, Ill. 3-5

S. C. R. I. REDS. Cockerels produced from hens with heavy egg records. Write for prices. Harry Painter, Claysville, Pa. 3

S. C. REDS ONLY; utility strain; red to skin; bred to lay; extra weight breeders used; mating lists now ready; get eggs for early hatching. J. M. Chamberlin, McCutchenville, Ohio. 3-5

RHODE ISLAND REDS, both combs. Stock, eggs, baby chicks; catalogue. Harvey Vanderslice, Boyertown, Pa. 3-5

SINGLE COMB REDS—won 27 regular and special prizes at Savannah, Rockford, Lanark shows. Cockerels and pullets scoring to 95¼ by McClave. Eggs. Grand matings. Send for circular. J. A. Shaner, Box 485, Lanark, Illinois. 3

ROSE COMB REDS, large, vigorous, great laying, fine red stock. Winners at Rockford show. Eggs, $1.50 15, $2.50 30. H. T. Heffron, Rockford, Ill. 3-5

S. C. REDS—40 cockerels for sale, farm raised, from prize winning stock, $3 and up. I will also book orders for hatching eggs now. Write for price list. Fred Maxstadt, R. D. 3, Aurora, Ill. 3-5

"HOYER'S" SINGLE COMB REDS, bred to lay and win. Eggs, $2.00 per setting. Lawrence Hoyer, Trappe, Pa. 3-5

"RIVERSIDE STRAIN" Rose and Single Comb Reds, 12 cups, 300 ribbons at New York, Boston, Philadelphia, Allentown, etc. Choice eggs and chicks. Booklet. Edward S. Lambrite, Box 110, Erwinna, Pa. 3-6

HEAVY LAYING STRAIN R. C. Reds. Eggs, $2.00 per 15. Reference: Arcola State Bank. Fairview Poultry Yards, Arcola, Ind. 3-5

SINGLE COMB RHODE Island Reds, Owen Farm strain, exhibition and utility stock. Eggs for hatching, day-old chicks. I have a fine flock of Reds. C. H. Beebe, Saddle River, New Jersey. 3-5

BIG BONED, DEEP RED R. C. Reds, all scored, red eyes, long back, low tail. Eggs, 25 cents. Highland Farm, Hedrick, Iowa. 3-5

WIB'S REDS, 214-egg strain, high scoring, deep red. Eggs, $1, $2, $3; chicks, 25c. Main Line Poultry Yards, Wib. F. Clements, Agency, Iowa. 3-5

ROSE COMB REDS. Eggs for hatching, 20 cents each. Best laying strain. Better order early by making small deposit. Orders coming fast. H. C. Thayer, 2503 Miami St., Toledo, Ohio. 3-5

SINGLE COMB REDS. First prize winners Ohio State Poultry Show, Columbus, Ohio, 1913-1914. I have size, type and dark, rich, even color. Eggs, $1.50, $2, $3. R. I. Armstrong, 376 14th Ave., Columbus, Ohio. 3-5

ROSE COMB R. I. REDS, eggs from heavy winter layers, $3.00 per 15. H. J. Kiess, Route 12, Fort Wayne, Ind. 3-5

REDS (BOTH COMBS), Crowther, Bean and Buschmann strains. Eggs, $1.50 and $2.50 per fifteen, either comb. Choice mating, Single Comb, $3.50 per fifteen. Eight years' experience line breeding. All birds trap-nested, heavy layers. Vigorous stock with correct type and color. Charles G. Osborne, Bowling Green, Ky. 3-5

ROSE COMB RHODE ISLAND REDS. Vigorous, trapnested, range raised, red to skin. Catalogue, matings, winnings, free. George Haynes, Hyde Park, Toledo, Ohio. 2-4

SINGLE COMB REDS exclusively. Dark red, big boned, vigorous stock, rich under-color. Eggs for hatching, $1.25 per 15 eggs. C. C. Morse, St. Charles, Ill. 3-5

MY MAHOGANY RED strain leading winners at Boston's big show. John C. Steitz, Warehouse Point, Conn. 3-5

ROSE COMB RED EGGS and baby chicks (Buschmann strain). Prize pen at Indianapolis, 1914. Other winners. Fertility guaranteed. Write for mating list. James F. Brady, Chenoa, Ill. 3-5

S. C. R. I. REDS, Lester Tompkins strain, from winner Denver show. Eggs, $2 per 13. F. Mead, Walsenburg, Colorado. 3-4

R. I. REDS, Rose or Single Comb; hatching eggs from prize winners; extra nice male birds for sale. F. I. Snedeker, 170 N. 19th St., Orange, N. J. 3-5

SINGLE COMB REDS. Eggs that will produce red chicks. Circular free. Bert Stevens, Howe, Ind. 3

ROSE COMB REDS. Silver cup at Columbus for best cockerel and pullet. Eggs from pen headed by this cockerel and every female a Columbus winner, five dollars per fifteen. White Bros. Poultry Farm, Box O, Sunbury, Ohio. 3-4

SINGLE COMB RHODE ISLAND Reds. Eggs for hatching, $1 per 15; $3 per 50; $5 per 100. Guarantee 80% hatch, packed for safe delivery. Henry Kelting, Martinton, Ill. 2-4

SINGLE AND ROSE COMB. Wonderful Winter Layers. Bred to lay. $2 per 15, $8 per 100. E. S. Bailey, 34 Cliff St., St. Johnsbury, Vt. 2-4

ROSE COMB RED eggs for hatching, $5 and $3 per 15, Buschmann strain. Blue Ribbon Winners. Thomas J. Britton, Kentland, Ind. 2-4

ROSE COMB RHODE ISLAND REDS. Winners at New York, Boston, Philadelphia, Allentown and wherever shown. Eggs for hatching. Send for mating list. Louis Anderson, Bloomsbury, N. J. 2-4

EGGS FOR SALE. Rose Comb Reds. Bred for size and egg production. $5.00 per hundred. Rufus Mutchler, Chenoa, Ill. 2-5

S. C. REDS that are right. Eggs, $1.50 per fifteen. Earl D. Willson, Wauseon, O. 2-4

TOMPKINS STRAIN RHODE ISLAND REDS—Both Combs—Winners at Philadelphia, Baltimore and Camden. Stock for sale. Eggs, $1.00 per fifteen, $5.00 per hundred. Special prize mating in each comb, $3.00 per fifteen. Write for mating list. J. M. Drumm, Mercersburg, Pa. 2-4

REDS (BOTH COMBS), Bean and Tompkins' strains. Stock and eggs. Mating list free. High quality, low price. T. Turner, Eleroy, Illinois. 2-4

RHODE ISLAND REDS.

REDS. BOTH COMBS. Stock and eggs. W. R. Forderhase, Berger, Mo. 2-4

EGGS, $2.00 PER 15 and up. Pen laying S. C. Reds. Diamond Poultry Farm, 2736 Springfield Ave., Chicago, Ill. 2-4

SPRAGUE'S, THE OLDEST RED breeder in Illinois. Stock best money and experience can produce. Eggs, one-third what others charge for same quality. Circulars free. P. A. Sprague, Maywood, Ill. 2-4

LARGE, FARM RAISED Rose Comb Rhode Island Red cockerels. Prices reasonable. John D. Klein, Chenoa, Ill. 1-3

ROSE COMB REDS. Great layers and prize winners (Buschmann strain). Eggs, $1, $2 and $3 per 15. Baby chicks, 20c, 30c each. Order early. Write for particulars. Roscoe Buskirk, Hopkins, Mich. 2-4

FINE BEAN STRAIN Rose Comb Reds. Cockerels and eggs from heavy laying fancy stock. Harry Rundell, Medina, Ohio. 2-4

S. C. R. I. REDS. Pure Lester Tompkins strain, that are red and will breed Reds. Best matings, $2.00 per 15; $3.75 per 30. Prepaid parcel post. Guarantee good hatch. H. C. Ward, R. F. D. 3, Carmi, Ill. 2-4

FOR QUICK SALE—Single Comb Rhode Island Reds of quality and prices that are inviting. Correspondence a pleasure; all stock sold on approval. J. W. Brinser, Box 1, South Richmond, Va. 1-4

S. C. REDS, TOMPKINS strain. None better. Circular free. Satisfaction guaranteed. Reference: Prescott National Bank, Prescott, Ariz. Bonham's Red Ranch, Cherry, Ariz. 2-4

SINGLE AND ROSE COMB REDS—Eggs, $1.50 per 15. One choice pen Rose Combs, blue ribbon winners, $4.00 per 15 straight. Chivers, Willett St., Schenectady, N. Y. 2-4

SINGLE COMB REDS, utility cockerels, for sale at $1.50 and $2.50. Eggs in season. M. D. Houghton, Cattaraugus, N. Y. 1-3

HATCHING EGGS FROM FAMOUS Vibert flock of beautiful deep glowing red to the skin, hen hatched, free range, open front colony house, large, hardy, active, trap nested Rose and Single Combs. Scientifically line bred for heaviest winter egg production and mated to fine glowing males from trap nested heaviest layers. Long backs, low tails, red eyes. Heaviest winter layers, bred away from broodiness. Highly fertile, clean, normal size, unblemished eggs, gathered hourly, shipped daily, delivered safely. White diarrhoea unknown. Also Vibert Vitality Day Old Chicks. Splendid breeding cockerels from trap nested hens. Breeding stock. Unlimited references, upright dealings, correspondence a pleasure. Vibert Red Farm, Box 7, Weston, N. J. 1-3

R. C. COCKERELS (May hatch). Excellent color, $1.25 and $2.00. Herbert Hoos, Peru, Ind. 1-3

50 FIRST CLASS Rose Comb Red cockerels for sale at reasonable prices. Parsons' Poultry Plant, Avon Lake, O. 1-14-tf

CHOICE SINGLE COMB Red cockerels. High scoring, large boned, deep red type. Eggs booked early, $3.00. Geo. Waltz, Canton, Ill. 1-3

S. C. REDS EXCLUSIVELY. Dark brilliant red color. Fine breeding cockerels, $2.00 each. Utility eggs, $1.50 per 15; $5.00 per 100. G. A. Haper, Batchtown, Ill. 1-3

ROSE COMB REDS. Cockerels and pullets from prize winners at Indianapolis, 1913. Parent stock scoring 92 to 94 by Pierce. Prices reasonable. James F. Brady, Chenoa, Ill. 1-3

CARVER'S RED FARMS, SEVILLE, OHIO, home of Carver's Famous Reds. Before buying get our great low "Live and Let Live" Prices. See advertisements elsewhere in this issue. 11-13-tf

S. C. R. I. REDS. Circular. D. S. Brownell, Box A, Springfield, Vt. 1-3

RHODE ISLAND WHITES.

KNOX RHODE ISLAND WHITES, the strain with unexcelled winnings. Get our catalogue before buying. Eggs, $1.50 to $5.00 per 15; $8.00 to $10.00 per 100. Knox Poultry Farm, Pulaski, Pa. 3-5

THE GREATEST RHODE ISLAND WHITE farm in the world. Rose and Single Comb. Stock, eggs and baby chicks. Write for catalogue. Henry Eichelmann, R. No. 4, Waterloo, Ill. 2-4

RHODE ISLAND WHITES. Before placing orders, write for our free illustrated catalogue. Bass Bros., Box 800, Marietta, N. Y. 3

RHODE ISLAND WHITE cockerels from best strains in this country, $3 to $5 each; trios, $10 to $15. Eggs, $2 per 15, $8 per 100. Prize winning matings. Col. Warren Russell, Odessa Farm, Winfield, Kan. 3-4

RHODE ISLAND WHITES. Have some good young stock, especially cockerels, for sale. Jocoy strain, none no better. J. F. Yount, Dalton, Mo. 1-3

EVERITT'S RHODE ISLAND WHITES make another clean sweep at Indianapolis show. Bred to lay and win. Stock and eggs for sale, $1 to $3. Catalogue free. W. Everitt, Route 29, Indianapolis, Ind. 3-5

HEADQUARTERS FOR ROSE COMB Rhode Island Whites. I am the oldest breeder of this breed. Eggs and stock for sale from this wonderful laying strain. Catalogue free. C. A. Foster, Colonial Poultry Yards, Akron, Ohio. 1-6

RHODE ISLAND WHITES of the best blood lines of America. Large, well mated birds. First prize Sheridan, Indianapolis, Pittsburgh. Stock and eggs. Free mating list. Mrs. E. W. Garver, Kempton, Indiana. 3-5

SINGLE COMB RHODE ISLAND WHITES, first prizes New York and other shows, tested eggs, $5 per setting. Correspondence solicited. Edmund E. Field, Hasbrouck Heights, New Jersey. 2-4

McCARTHY'S PEERLESS RHODE Island Whites have won the majority of the firsts at the world's greatest shows. Our large illustrated catalogue is free. Carl D. McCarthy, Box Y, Kempton, Ind. 1-3

HEADQUARTERS FOR ROSE COMB Rhode Island Whites. I am the oldest breeder of this breed. Eggs and stock for sale from this wonderful laying strain. Catalogue free. C. A. Foster, Colonial Poultry Yards, Akron, Ohio. 1-3

JOCOY'S STRAIN OF R. I. WHITES are acknowledged everywhere the world's greatest utility breed, unequaled for dressed poultry, heavy layers, and being easy to breed. Booklet free. J. A. Jocoy, Towanda, Pa. 1-3

RED CAPS.

IMPORTED ENGLISH RED CAPS. Eggs for sale at $4, $5 and $6 per setting. These pens are the best in America today. Imported in 1911 and 1912. Winners everywhere. Lee O. Wolfe, Breeder and Importer, Titonka, Iowa. 3-5

ENGLISH RED CAPS, twelfth year. Eggs from my best pens, $3 per 15. R. P. Weidenfeller, Mineral Point, Wis. 1-3

RHINELANDERS.

OUR CIRCULAR TELLS about this good German egg breed. Novova Farm, Silver Spring, Md. 1-3

SPANISH.

WHITE FACE BLACK Spanish eggs, 15 for $1.50, 30 for $2.50, 100 for $5.00. Good stock for sale. Louella E. Jaqua, Portland, Indiana. 3-5

MY BLACK SPANISH won all first prizes at Madison Square Garden, New York, 1910, 1911, 1912, 1913-14. Also all first prizes recent Chicago and Boston shows, and hundreds of other first and second prizes throughout the world during past 30 years. Some wonderful trios for sale at $30.00. Single birds, $15.00 each. These fowls will win in any company and will produce very fine specimens. Eggs, $5.00 per thirteen. Each additional thirteen, $4.00. The demand for high class Black Spanish exceeds the supply. There is money to be made in taking up this breed. R. A. Rowan, 200 Title Insurance Building, Los Angeles, Cal. 2-4

RED SUSSEX.

CHAMPION STRAIN Red Sussex. Greatest utility breed. Silver cups given to every customer who wins first cockerel and pullet at shows with 600 entries. See large ad. Red Sussex Farm, Marysville, Michigan. 3-5

WHITE WYANDOTTES.

WHITE WYANDOTTE and Black Orpington eggs, day-old chicks. J. W. Beck, Queen City, Mo. 3-4

WHITE WYANDOTTE eggs for hatching from good winter laying stock, raised on free range; $1.00 for 15. O. J. Hamble, R. D. 2, Hinsdale, Ill. 3-5

WHITE WYANDOTTE EGGS of high quality (Fishel strain), $2.00 per 15. Victor Williamson, Gladstone, Mich. 3-5

WHITE WYANDOTTES—Trap-nested and prize winners, 1st pen at Illinois state fair, and Quincy, Ill. Champion bird at Granite City. Eggs and day-old chicks. Write for circular. J. A. Schroeder, Mt. Olive, Ill. 3-5

FOR SALE—30 WHITE Wyandotte hens, good ones, $2.00 each while they last. Edw. A. Stiehl, Mt. Olive, Ill. 3

SMITH'S WHITE WYANDOTTES won 2nd, 5th pullet, 3rd cock and 3rd pen Detroit, 1914. Cockerels or cocks. Fifteen eggs $2.50. See February issue. A. J. Smith, 528 Crawford, Detroit, Mich. 3-5

WHITE WYANDOTTES. Big prize winners. Eggs, ½ price. Mart Rahn, R. 20, Clarinda, Iowa. 3

WHITE WYANDOTTES, Fishel strain. Eggs, $1.00 per 15, $3.00 per 50, $5.00 per 100. Cockerels, $1.50 to $3.00. Satisfaction guaranteed. Write for circular. D. G. Gordon, Madison, Ind. 3-5

WHITE 'DOTTES—FELL STRAIN. "On honor since 1901." Mating list. Ownlands Farm, South Hammond, New York. 3-5

WHITE WYANDOTTES. Write for mating list. C. M. Robinson, Van Wert, O. 3-5

FANCY WHITE WYANDOTTES. 15 eggs, $1.50; 30, $2.50. H. Rockefeller, Bunker Hill, Ill. 3-5

WHITE WYANDOTTE EGGS, farm range, heavy egg laying stock, $1.00, $1.50 and $2.00 per 15. Alvin H. Wixom, La Salle, Ill. 3-5

HACKER'S WHITE WYANDOTTES. They are white and bred to lay. Eggs for hatching, per 15, $2, $3, $5. First pen composed of hens and pullets scoring 94 to 95, cock 94½ by Judge Shellaberger. W. P. Hacker, Milledgeville, Ill. 2-4

JOHN A. BRUHN, Homer, Ill., breeder of Ideal White Wyandottes, greatest laying strain. Eggs, $1 per 15, $5 per 100. 3-5

HIGH CLASS WHITE Wyandottes. Eggs, $1.50 and $3.00 per 15. Geo. Reiling, Burnt Prairie, Ill. 3-4

WHITE WYANDOTTE EGGS from Ideal Pen composed of $25.00 Male and $10.00 Females, $5.00 per 15. Best utility matings, $1.50. Titonka Poultry Ranch, Titonka, Iowa. 3-5

WHITE WYANDOTTE eggs for hatching, Fishel strain direct. Price, $1.50 per 15. Wellington Monica, Cloverdale, Mich. 3

EGGS, 1ST PEN headed by Dustin cockerel, $2.00 per 15; 2nd pen, $1.50; farm range, $1.00, $6.00 per hundred. C. E. Van Buren, Victoria, Ill. 3-5

WHITE WYANDOTTE EGGS, from matings that score 92¼ to 95 at $3 per 15. From selected, free range fowls, $1.50 per 15. Mrs. Frank H. Miller, Route 45, Earlville, Illinois. 3-5

HIGH CLASS WHITE Wyandotte cockerels for sale. Eggs, $1.50 per 15; $6.00 per 100. Wm. Remmert, St. Peter, Ill. 3-4

WHITE WYANDOTTES (Fishel strain direct), 20 hens and 20 pullets, $2 each. Sterling Poultry Co., Sterling, Ill. 3

WORLD'S FOREMOST WHITE WYANDOTTES. Extra fine. Winners Indianapolis, St. Louis, Muncie, Marion; 15 eggs, $3.00; 30, $5.00. Winners in pens. Utility, 15, $1.00; 50, $3.00; 100, $5.00. Herbert Smith, Route 8, Bluffton, Ind. 3

GRANDVIEW STOCK FARM White Wyandottes. Headed by pen that won $20 cup for best pen in class of 14 pens, $100 sweepstakes cup over 60 pens at Bremen show. Four matings. Write for mating list. H. M. Scholl, Bremen, O. 3-5

WHITE WYANDOTTES. Choice breeders for sale. Eggs, $2.00 15; $5.00, 45; $9.00, 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

WHITE WYANDOTTE eggs reasonable. Parcel post or express. Incubator eggs a specialty. Russell Simpson, Palmer, Ill. 3-5

WHITE WYANDOTTES, Duston strain, winnings on request. Eggs, $2 per fifteen. Stock for sale. Leslie De Haven, Bangor, Michigan. 2-4

WHITE WYANDOTTES. HIGH CLASS, pure white. Bred for laying stock, at right prices. Eggs, 15, $1; 100, $5. W. E. Patterson, Montrose, Illinois. 2-4

WHITE WYANDOTTES—First prize Madison, Wisconsin, show this year. Book egg orders early. E. E. Thwing, Augusta, Wis. 2-4

WHITE WYANDOTTES — COCKERELS of breeding that won wherever shown—Columbus, Lancaster, Logan fairs—Jackson, Bremen shows. Eggs from 6 choice matings. Write for mating list. F. P. Martin & Sons, Logan, O. 2-4

WHITE WYANDOTTES, thirteenth year Duston direct, standard shape, bay eyes, bred to lay and win. Won wherever shown, scoring to 96. Eggs, $2 15, $3 30, $4.50 50. Frank Hardwidge, Poneto, Ind. 2-4

HIGHEST QUALITY, TRAPNESTED White Wyandottes. Stock, baby chicks and eggs. Foster Poultry Farm, Dexter, N. Y. 2-4

FISHEL STRAIN White Wyandotte eggs. $2.50 per 15. D. S. Kavanaugh, P. O. No. 25, Tipton, Mo. 2-4

KIEVIT'S WHITE WYANDOTTES of quality. State Meet winners. At Paterson, 1913, all firsts and seconds, 4 cups, all specials, best hen and pen in show. Passaic, all firsts, 3 seconds, 3 cups all specials. Best cock, hen, cockerel, pullet and pen in show; 8 medals. 100 cockerels cheap. Circular free. C. A. Kievit, 43 York Ave., Paterson, New Jersey. Farms: Goffle Road. 2-4

WHITE WYANDOTTES. A good strain of utility and show birds. Eggs, $2.00 per 15. U. D. Lines, Baltimore, Ohio. 1-3

ROSE COMB WHITE WYANDOTTES—Eggs and stock. Prices reasonable. I. C. Young, Malta, Ohio. 1-3

WHITE WYANDOTTE (Duston-Regal) hatching eggs and day-old chicks from exhibition-utility stock, trapnested, heavy layers. Won third on pen of own breeding at November Buffalo show. Circular. Marion I. Moore, R. F. D. 2, Hamburg, N. Y. 1-3

MORSE'S FAMOUS PEDIGREED bred-to-lay White Wyandottes. Line bred for 20 years exclusively. Show birds and breeders highest quality; reasonable prices. Eggs for hatching. Circular free. L. H. Morse, Newark, New York. 1-3

SIXTY WHITE WYANDOTTE cockerels for sale. We raised the first prize cockerel at the Ohio State Fair, 1913, and we raised one good enough for you. W. J. Scholl, Bremen, Ohio. 1-3

WHITE WYANDOTTES. Breeders, show birds. Must satisfy or return at my expense. Fourteen firsts last season under Tucker, Hicks, Hale and Wells. Eggs $2.00 and $3.00. W. Rech, Kiel, Wis. 12-3

BUFF WYANDOTTES.

QUALITY BUFF WYANDOTTES, New York, Missouri and Ohio state winners. Stock, eggs and baby chicks. Guaranteed to please or your money back. Mating list free. Monarch Poultry Yards, Dayton, Ohio. 3-5

BUFF WYANDOTTES OF QUALITY. Eggs from Columbus, Dayton and Lima winners. Send for mating list. William E. Woolley, Route 5, Sidney, Ohio. 3-5

BUFF WYANDOTTES. Golden Beauty strain. Excellent laying strain. Eggs, $1.50 per 15. S. O. Pickens, Buffalo, W. Va. 3

WANTED—BUFF WYANDOTTE breeders to send their addresses to American Buff Wyandotte Club, Amityville, N. Y. 3-11

BUFF WYANDOTTES—Indianapolis, St. Louis and Missouri State Fair winners. Mating list free. Ben H. Netzly, Martinsville, Ill. 2-4

BUFF WYANDOTTES exclusively. Stock and eggs. J. B. Poore, Washington, New Jersey. 2-4

BUFF WYANDOTTE COCKERELS. Eggs from Indianapolis winners. Mrs. S. H. Brooks, Salem, Ind. 2-4

BUFF WYANDOTTES, "LAYWINGOLDS," are removed from Kent, Ohio, to New London, Ohio. Stock and eggs. Rev. Henry Janes. 2-5

BUFFS ONLY. Fine lot of young stock, bred for business and beauty. Early hatched, farm raised, sold at moderate prices. Eggs in season. Willis Brown, Member American Buff Wyandotte Club, Slippery Rock, Pa. 1-3

BUFF WYANDOTTES. Good stock, reasonable prices. Eggs and chix in season. Avery G. Fisher, Wellington, Ohio. 1-3

BLACK WYANDOTTES.

BLACK WYANDOTTES. Eggs for hatching at $2.00 per 15. Write your wants. L. E. Brown, Princeton, W. Va. 3-5

BLACK WYANDOTTES. America's best. Howard Grant, Marshall, Mich. 1-5

COLUMBIAN WYANDOTTES.

COLUMBIAN WYANDOTTE EGGS, $2.00 per 15, from high class stock, blue ribbon winners at Detroit, 1914, and Michigan State Fair, 1913; standard shape and markings, large, vigorous birds raised on free range; heavy winter laying strain; fertility guaranteed. Fine breeding cockerels cheap. Arthur Schaack, 605 Rohns Ave., Detroit, Mich. 3

3 COLUMBIAN WYANDOTTE COCKERELS, hatched by Fenton, $3 each. Dr. A. R. Talbott, Ellis, Kan. 3

COLUMBIAN WYANDOTTE EGGS for sale. $1.50 to $3.00 per 15. Fertility guaranteed. S. M. Watkins, Walnut, Ill. 3-5

COLUMBIAN WYANDOTTES from Chicago show; prize winning strain, 10 cents each, any number. Thomas Murdoch, Galesburg, Ill. 3

COLUMBIAN WYANDOTTES. Eggs, $1.50 per 15. Satisfaction guaranteed. Stock for sale. Rev. Chas. W. Seelhoff, Owosso, Mich. 3-5

COLUMBIAN WYANDOTTES. Stock and eggs for sale. Prices reasonable. Won five firsts and other prizes at Chicago show. Price list free. Arthur Merrell, Solon Mills, Ill. 3-4

HARDY PRIZE WINNING Columbian Wyandottes raised on free range. Stock for sale. Eggs, $1.00 per fifteen, $5.00 per hundred. Special prize mating, $2.00 per fifteen. Geo. M. Drumm, Mountville, Pa. 2-4

10 CENTS EACH COLUMBIAN Wyandotte eggs (Fenton strain). Buff Rock eggs, Fawn Indian Runner duck white eggs. All bred for big egg production. Colby Poultry Farm, Hopkins, Mich. 2-4

COLUMBIAN WYANDOTTES, winter layers. Eggs guaranteed. Inquire. R. C. Berkey, Salem, Ind. 2-4

COLUMBIAN WYANDOTTES and Buff Columbian Wyandottes of highest quality. Circulars. Dr. Harwood, Malone, N. Y. 1-3

PARTRIDGE WYANDOTTES.

PARTRIDGE WYANDOTTES, either sex, $2.00 up. Eggs, $2.00 per 15. Write for 100 egg prices. Fred Pilkington, Portland, Mich. 3-5

PARTRIDGE WYANDOTTES. Eggs from choice pens, $1.50 per 15. Stock for sale. Fred M. Haas, Machias, N. Y. 3-5

ELLIOTT'S PARTRIDGE WYANDOTTES won at National Club meeting, Rochester, N. Y., 1913. One first, four seconds, one third, one fifth. Clean sweep Port Huron, 1914. Stock and eggs. Frank Elliott, Port Huron, Mich. 3-5

PREMIER PARTRIDGE WYANDOTTES. Son of first Madison Square Garden cock heads pen. Grand females won loving cups and National Club honors. Eggs, 15, $3.00; 25 for $4.50. Lou Carter, Hampton, Iowa. 3-5

PARTRIDGE WYANDOTTE EGGS for hatching, $2.00 per 15; $3.75 per 30. Bred from World's Fair winners. Herman Timm, Chebanse, Ill. 3-5

TEN VERY CHOICE Partridge Wyandotte cocks for sale, fifteen to twenty-five each. Doolittle Strain. J. M. Goodman, Atkinson, Ill. 3-5

PRIZE WINNING ROSE COMB Partridge Wyandottes, extra good layers; 15 eggs, $1.50; 3 settings, $4.00. Single Comb Brown Leghorns, extra good layers, 15 eggs, $1.00; 3 settings, $2.50. Poultry Farm, Mrs. F. H. Sickendieck, Cushing, Okla. 3-5

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Our Famous Strains of White Leghorns and Rhode Island Reds, for which we are noted, were never better. We guarantee satisfaction.
Prices quoted on Chicks of all ages upon request.
Catalogue free. Correspondence solicited.
OAKLANDS FARM (Formerly Oaklands Poultry Farm) R. F. D. No. 4, Trenton Junction, N. J.

Illustrated Breeders' Cards

RATES for Illustrated Breeders' Cards: 40-word card, with small sized illustration (to be furnished by us), $2.50 per month for less than one year; $24 per year, payable quarterly in advance. Words in excess of forty, seven cents extra per word per month. Numbers and initials count as words. **Copy for advertisements, plainly written, should reach this office by the 15th of the month preceding date of issue.** In answering these advertisements please mention AMERICAN POULTRY JOURNAL. : : : : : : : : : :



CHAMPION DARK CORNISH, New York and Boston winners. Eggs, $2.50, $5 and $10. S. L. Wyandotte eggs, $1.50, $3, $5. S. C. Reds, Fawn and White Runner Duck eggs. $1, $2.50, $5. English Penciled and White Duck eggs, $2.50, $5. Stock for sale. Write me your wants. J. N. Hazlett, Box 142, Marianna, Pa. 4-13-1yr.



MAMMOTH BRONZE TURKEYS of the better kind. Choice exhibition and breeding birds at reasonable prices. Also choice Barred Rocks. No better stock anywhere. Write today to Miss Sallie Cox, R. 1, New London, Mo. 3-14-1yr.



1,071 EGGS A YEAR FROM 5 Single Comb White Leghorns is certified to by Storrs College, Connecticut of my laying champions of the world. Egg champions, not feather. Mating list upon request. sale. F. G. Yost, Sayre, Pa. 5-13-1yr



FIFTY VARIETIES OF FINE THOROUGHBRED poultry. Cochins, Brahmas, Langshans, Rocks, Wyandottes, Houdans, Orpingtons, R. I. Reds, Leghorns, Polish, Hamburgs, Spanish, Ducks, Turkeys, Geese, Incubators and Brooders, Large illustrated catalogue mailed for 4c.

C. M. ATWOOD
9-11-3yrs Box A7, Dundee, Minnesota



CORNISH INDIANS — Twenty-one years my specialty. Madison Square, Boston, Baltimore, Louisville winners. Descendants of imported prize winners. Fine cocks, hens, cockerels, pullets for sale. Write me your wants. You shall have a square deal. T. D. Moore, Hopkinsville, Ky. 12-13-1yr



S. C. W. LEGHORNS. Young's strain. Can furnish extra choice cockerels, bred from prize winning hens that scored 94 and 94½ and from high scoring cockerel. Eggs for sale from above: Pen 1, $3.00; setting, Pen 2, $2.50; Pen 3, $2.00. My R. C. R. I. Reds are bred from hens that won 1st prize in laying contest which was held in Missouri last winter. Cockerels and eggs for sale. Pullets of above been laying for over six weeks. F. W. Mittag, Lone Rock, Iowa. 1-3



BUFF ROCKS—Single Comb Reds have won their way to distinction at such shows as Illinois State Fair, Peoria, Canton, and Bradford. A fine lot of cockerels and pullets now ready for the early shows. C. P. Scott, R. 36, Peoria, Ill. 10-13-1yr



S. C. AND R. C. RHODE ISLAND Red cockerels and pullets at $2.00 each. Eggs for hatching, $1.50 per 15, $2.25 for 30, or $5 per hundred. Satisfaction guaranteed or money refunded. Joe O'Reilly, Custer Park, Ill. 1-14-1yr



BARRED PLYMOUTH ROCKS won at the Coliseum show, Chicago, 2nd cock, 2nd cockerel, 3rd and 5th cockerel bred pullet, 5th cockerel mated pen. Stock all sold. Ask for my egg circular. F. M. Love, Lewistown, Ill. 2-3



BANTAMS, IMPORTED STOCK, Golden Duckwing, Silver Duckwing and Birchen Game, Buff, Black and White Cochins; at the Illinois State Show, 1913, we won six firsts on six entries; also all shape and color specials. Write for prices. Klingbeil Bros., Petersburg, Ill. 10-13-1yr



S. C. BUFF ORPINGTONS, the large bone, fluffy kind that win, lay, weigh and pay; better birds than ever. Satisfaction assured. A few pullets for sale. Eggs, $2, $3, $5 per setting of 15. A. E. Haney, Gaston, Ind. 1-3



ROSE COMB REDS (Buschmann-Pierce strain). Eggs for hatching from our blue ribbon pens, $2.00 per 15 or $3.50 per 30; utility, $5.00 per 100. Fertility and a square deal guaranteed. Order at once from this ad. Brookside Farm, Albion, Ill. 1-4



CLOSING OUT SALE Single Comb White Leghorns, 10 yearling hens, 30 pullets, 15 cockerels, $75.00 takes them. Order from this advertisement. Satisfaction guaranteed. Clarence Scott, Carrollton, Ill. 1-14-1yr



S. C. W. LEGHORNS only. Line bred for heavy egg production. Stock for sale. Am booking orders for eggs for hatching and chicks for spring delivery. Write for catalog. Satisfaction guaranteed. Polo Leghorn Farm, C. E. Trump, Prop., Polo, Ill. 12-13-1yr



48 BREEDS. Fine pure bred prize winning chickens, ducks, geese, turkeys and guineas. Northern raised, hardy and beautiful; 6,000 prizes. Fowls, eggs, incubators at low prices. America's finest poultry farm. Large catalogue mailed for 4c. Alf, Ziemer, Box 88, Austin, Minn. 1-3



ANCONAS, GOLDEN WYANDOTTES, Campines. We still have a few cockerels and pullets for sale; choice birds; booking egg orders now; first come first served. Write us for our new mating list; write today. C. H. Mills & Son, Warren, Ohio. 1-14-1yr



HANCHETT'S FAMOUS BUFF COCHINS grown for me by Cochin specialist, have furnished Madison Square and other big winners for years. Cockerels, pullets (only the "good ones"), $5 upward. If wanting the best, write, stating wants. H. N. Hanchett, Jackson, Mich. 1-14-tf



WHITE FACED BLACK SPANISH, bred from imported stock; won all awards at Danville, Jan. 13-17, 1914. Also grand sweepstake cup for best display, all varieties competing. Eggs from specially mated pens, $5 and $3 for 15. I guarantee satisfaction. E. L. Power, 5 E. Voorhees St., Danville, Ill. 2-14-1yr



SINGLE COMB RHODE ISLAND Reds winners at Peoria, Havana, Petersburg and Decatur. Exhibition and utility stock for sale at right prices. Eggs from specially mated pens, $2.00 to $5.00 for 15; write quick; we will only spare a limited number of settings. Mrs. F. P. Stein, R. F. D. No. 3, Petersburg, Ill. 2-14-1yr



SINGLE COMB REDS. Our Single Comb Reds won at Peoria, Ill., Dec. 2-7, 1913; 250 entries in the class; 1st hen, 4th cock. At Wyoming, Ill., Dec. 8-13; 1st, 2nd, 3d cock, 1st, 2nd, 4th, 5th hen, 1st, 2nd pen; exhibition and breeding stock for sale; also some good breeders in White Orpingtons for disposal. Mrs. Elon Steer, Wyoming, Ill. 2-14-1yr



MASSEY'S FAMOUS WHITE Wyandottes, winners at the Iowa and Missouri state fairs, Kansas City, Chillicothe, Mo.; Ottumwa, Iowa Falls and Centerville, Iowa. Eggs, $2, $3, $5, per 15. Stock, $2 to $5 each. Catalog free; write. Ernest Massey, Box 157, Mystic, Iowa. 2-14-1yr



WHITE WYANDOTTES, Rose and Single Comb White Leghorns and Black Javas. Winners at Williamsport, McKeesport, Pittsburg, Greensburg, Beaver and Uniontown, Pa., shows. Order your eggs for hatching now. A square deal to all. James Moffat, Jr., Box 121, East Pittsburgh, Pa. 2-14-1yr



EGGS OR BABY CHICKS. Plymouth Rocks, Reds, Leghorns, Anconas, Minorcas, Orpingtons, Cornish, Wyandottes. Also Bantams, Ducks and Embden Geese. Thousands of Prizes won. Eggs only $2 per 15; prepaid 25c extra. Send for catalog. Talbott's Twin Oaks Farms, Sargents, O. 2-3



S. C. R. REDS and B. P. Rocks. Good breeders and eggs for hatching from choice mated pens that will produce birds of quality. Write your wants and send for mating list. Fred G. Keller, Millersport, Ohio. 1-3



MY SINGLE COMB ANCONAS won at Illinois State Fair, Illinois State Show and St. Louis Coliseum Show. A few cockerels left for sale. Eggs and day-old chicks. Custom hatching. Tambourette Poultry Yards, F. V. Hays, Prop., Carrollton, Ill. 12-13-1yr



BABY CHICKS, BARRED PLYMouth Rocks. Mammoth Incubator hatched. Parks bred to lay strain, from healthy free range stock. Why buy eggs when chicks are more satisfactory? Order early to avoid disappointment. $12.00 per 100. H. Taylor, Berlin, Maryland. 2-3



BENNETT'S WHITE WYANDOTTES win at Freeport, in hot class, on eight entries, nine ribbons, including 1st and 2d cock. Every specimen placed. Specially good cocks, cockerels and pullets for sal J. B. Bennett, Belvidere, Ill. 10-13-1 yr.



CHICKS. We ship thousands, are now booking orders for spring delivery. Leghorns $9, Anconas $11 per 100. Will also have Rocks, Reds, Wyandottes and White Orpingtons. Free booklet and testimonials. Freeport Hatchery, Box A, Freeport, Mich.



BABY CHICKS, 10 to 15c; stock, $1.50 up; eggs, $5 to $6 per 100. Reds, Opringtons, White and Columbian Wyandottes, White Leghorns, Barred Rocks, Toulouse geese, Pekin and Runner ducks. Red turkeys. Catalog free. G. A. Mitchell, Freeport, Ill. 2-14-1yr



ROSE COMB REDS—Winnings at Mt. Vernon, 1913: Seventeen ribbons, five firsts, three specials, also highest scoring cockerel (particolored) in show. 1914: Fourteen ribbons, first cock, first hen, first pen. Mated by licensed judge. Eggs, $3.50; $2.00. James D. Pace, Route 6, Mt. Vernon, Ill. 3-1



MY BLACK ORPINGTONS won at Illinois State Fair, 1913: 1st pullet, 3rd hen, 5th cock, 2nd pen; at Terre Haute, Ind., 1st pen, only entry; Decatur, Ill., 1st cockerel, 1st, 2nd, 3rd, 4th pullet, 2nd cock, 2nd hen, 1st pen. Eggs from these winners for sale at right prices. C. O. McKinney, Bethany, Ill. 1-14-1yr



S. C. RED EGGS—$5.00 PER 15 From best matings, containing winners at Davenport, Iowa, Peoria, Lincoln, Champaign, Decatur, Clinton and Illinois State Show. First pullet, color and shape special, champion female. Send for mating list. C. P. Gundlach, Lincoln, Ill. 11-13-1yr



WESTFAHL'S RINGLET BARRED Rocks, winning strain, first on young pen, first on cockerel, first and second pullets at Michigan City; first on cock at La Porte. Eggs for hatching, $3.00 per 15, both matings. A. C. Westfahl, Michigan City, Ind. 3-1



1913 MY WHITE WYANDOTTES won fourth Missouri Laying Contest, 1,759 eggs; Arkansas State Fair and Pine Bluff they made a clean sweep. There is a reason. Free circular tells why. Eggs, $3 to $6 per 15, prepaid. S. L. Todd, R. R. 1, Green Forest, Ark. 3-14-1yr



BABY CHICKS for March shipments. Guaranteed safe arrival 2,000 miles. True to name, standard bred Buff Orpingtons, White Orpingtons, White Wyandottes, White Leghorns, Barred Plymouth Rocks, Reds. Write for circulars. Eggs for hatching. Martin Michelson, 232 Fifth St., Aurora, Ill. 3-1



BUFF ORPINGTONS of good type and beautiful Golden Buff color, at recent Streator Fair in strong competition we won 2nd cockerel, 2nd pullet and 2nd pen. Eggs at $2.50, $3.00 and $5.00 per setting. Ben H. Smith, Streator, Ill. 10-13-1yr



EGGS FROM LARGE, VIGOROUS, bred-to-lay S. C. White Orpingtons. My April pullets started laying in September. Direct descendants of blue ribbon stock. Cook-Kellerstrass strains. Eggs, $3.00 per 13. Charles R. Kirchstein, Fairacres Farm, Joliet, Ill. 3-1



BUFF COCHINS, blue ribbon winners. Eggs, $3.00 per 15. Males, $4.00; females, $3.00. Exhibition stock, matter of correspondence. Satisfaction guaranteed. Mrs. C. J. Hein, 1478 N. Claiborne Ave., New Orleans, La. 3-1



OUR BLACK AND WHITE Orpingtons won 63 ribbons on 58 entries at Carrollton, Louisiana, Missouri, Beardstown, Jacksonville, Petersburg and Illinois State Show. All specials and six silver cups. Stock, eggs and chicks for sale. J. C. & A. P. Weber, Dept. A, Jacksonville, Illinois. 3-14-1yr



MAPLE GROVE FARM Barred Plymouth Rocks, superb quality, exhibition, cockerel and pullet mated birds for sale. Eggs from selected pens, $5.00, $3.00 and $1.50 for fifteen; utility eggs, $5.00 per hundred. Route 9, Decatur, Ill. Member American Poultry Association. Member American Plymouth Rock Club. 3-14-1yr



ROSE COMB RHODE ISLAND Reds. My Reds have won at the leading shows, including Decatur, Illinois, State Show and three consecutive years at Quincy. They have also won for my customers and will win for you. Book your order for eggs now from my specially mated pens. J. L. Brock, Bethany, Illinois. 3-14-1yr



CHICKS, FANCY OR UTILITY, 10c up. Eggs, 4c up, according to quality and date of shipping. White Leghorns, Barred Rocks, Reds, White Wyandottes, Buff Orpingtons. Chicks of extra quality, hatched under sanitary conditions. Safe arrival and satisfaction. Price list. R. O. Dickson, La Harpe, Ill. 3-1



WHITE ORPINGTONS — Imported direct from William Cook, of England. Also Crystal White. Eggs from large, vigorous, snow-white, heavy-laying stock, $3.00 to $10.00 per 15. Also stock for sale. Baby chicks in season. Mrs. J. H. Weaver, Winamac, Indiana. 3-2



S. C. WHITE ORPINGTONS. Won 1st, 2nd and 3rd at each show at Elkhart, Goshen and South Bend this winter. Breeders cheap. Eggs, $1.50, $3.00, $5.00 per 15. Infertiles replaced. Write for circular. Rev. Preston Polhemus, Box 67, Osceolo, Indiana. 3-1



RED HEN POULTRY YARDS. Single Comb Rhode Island Reds, the kind that win, lay and pay. Winners in the leading shows. Eggs, $2, $3 and $5 per setting. Also five eggs from each pen at $3.50. Satisfaction guaranteed. Red Hen Poultry Yards, Lincoln, Ill. 11-13-1yr



SINGLE COMB White Leghorns, Wyckoff-Cornell strain, bred to lay; fine, large, white birds, in perfect health. Chix, $10 per 100; $6 per 50. Eggs, $5 per 100; $3 per 50. George H. Brinker, Village Poultry Yards, Lyons, N. Y. 3-1



ATTENTION, Poultrymen. Have secured stock from foremost breeders in America: Wm. Cook & Sons, Philo, and Kellerstrass. We are prepared to sell S. C. White Orpington eggs from greatest strain of layers in existence. Write for prices. W. H. Dunham, Eldon, Wapello Co., Iowa. 3-14-1yr



WHITE AND COLUMBIAN Rocks, breed of Bickerdike strain. White Rocks for seven years, also breed Columbian Rocks. Eggs for hatching, $5.00 per 15. Utility White Rock eggs, $7.50 per 100. Replace infertile free. Sable and white Scotch collie pups for sale. Fred Deihl, Morrisonville, Ill. 3-14-1yr



WHITE ORPINGTONS, WHITE Rocks—layers extraordinary. Winners of twenty-one prizes, including firsts and specials, at three large shows of nineteen hundred fourteen. Mating list on request. Satisfaction guaranteed. Now booking orders for eggs and chicks. Maxinkuckee Poultry Yards, Culver, Indiana. 3-1



S. C. BUFF ORPINGTONS won 2nd cock, 3rd pullet and 1st pen at Indianapolis show Feb. 2-7, 1914, and almost clean sweep at Columbus and Connersville, Ind. Stock and eggs. Mating list. D. A. Kemp, Box M, Morristown, Ind. 3-1



BEACHCROFT Single Comb Buff Leghorns. Our hens are prolific layers and the breeding males are good sized. All are good in color. Baby chicks, $15.00 per 100. A few breeding cockerels at $2.00 each. V. R. Beach, Fairfield, Conn. 3-1



R. C. R. I. ONLY. Good stock. What eggs are not needed for our own breeding will be sold at $2 for 15 eggs. D. J. Blocher, Pearl City, Ill. 3-1



WHITE PLYMOUTH ROCKS, White Holland Turkeys, Fawn Indian Runners. Quality absolutely guaranteed. All sales on approval. Eggs, Twelve years with first two varieties. Verne D. Stock, Stockton, Ill. 3-14-1yr



EGGS and baby chicks from prize winning White and Buff Orpingtons, Rose and Single Comb Anconas, Silver Campines. Pacific coast agent for Ajax Improved Oxygen Vitalizer. No dead chicks or white diarrhoea. Incubators. Oat Sprouters, poultry remedies. Ira N. DeLine, Olympia, Wash. 12-13-1yr



BABY CHICKS and eggs for sale. Thoroughbreds. Barred Rocks, Single Comb Rhode Island Reds and Single Comb White Orpingtons. Chicks, $3.00 per doz.; $5.00 per 2 doz. Eggs, $2.00 per 15; $3.50 per 30. Old Dominion Poultry Farm, Carrsville, Va. 3-1



MY WHITE ORPINGTONS won all 1st, 2nd, 3rd and 4th premiums at Harvard, Ill., show, January, 1914. Also special for best display. I am offering eggs from these winners at $5.00, $3.00 and $2.00 for fifteen. Mrs. Alice Maxon, R. R. 4, Harvard, Illinois. 3-3



SINGLE COMB KELLERSTRASS White Orpington eggs. Large and vigorous stock that lay, weigh and pay at livable prices, $1.00 per dozen, $5.00 per hundred. Also Chinese and African geese eggs and Silver Bearded Polish. Mrs. Dr. Struble's Dependable Poultry Farm, Lyons, Ill. 3-1



OUR BARRED PLYMOUTH ROCKS won at Gilbert, Ia., 1st, 2nd, 3rd, 4th, 5th pullet, 2nd cockerel. Marshalltown, Ia., 1st hen, 1st, 2nd pullet. Waterloo, Ia., 1st cock, 1st, 2nd hen, 1st, 2nd, 3rd, 4th pullet, 1st, 2nd, 4th, 5th cockerel, 1st pullet, breeding pen. Cedar Rapids, Ia., 1st, 4th cockerel, 5th hen, 2nd pullet, breeding pen. Every one raised from our own mating. For sale, 4 extra fine cockerels, $10.00 each; 4 fine cockerels, $5.00 each. Write for egg circular. John Peterson, Box 29, Randall, Iowa. 3-14-1yr

Beautility Partridge Rocks BRED FOR CONSISTENT WINning and heavy egg production. Fine utility and high class exhibition birds for sale. Eggs from six pens for season 1914. "Your money's worth or your money back, and you're the judge." R. H. Russell, Fayette, O. 6-13-1yr

60 Eggs for $3.00
30 Eggs for $1.75
15 Eggs for $1.00
TWO MEDICATED nest eggs with each order. Poor hatches duplicated at half price. Mostly farm range, 30 years as breeders, 25 best varieties. Circular free. Whitney & Son, Triangle, New York. 3-1

STOCK FOR SALE PARTRIDGE, BARRED, WHITE, Silver Penciled, Columbian, Plymouth Rocks, Rose and Single Comb Buff, Black and White Orpingtons (Blacks imported), Silver Campines and Derbyshire Red Caps. We have old and young stock of high class at special price. John A. Hageman Co., Charlotte, Mich. 9-13-tf

WHITE WYANDOTTES SUPERB STRAIN. Winners at Michigan's best shows. Line bred from heavy layers. Superb King, best bird at Scranton, 1913, heads one pen. Other males winners. Eggs $2, $3 and $4 per 15. Mating list free. J. Vernon Sheap, Jackson, Mich. 2-14-1yr

Single Comb White Orpingtons WHITE ORPINGTONS, the great winter layers, bred for utility and exhibition. Winning at Chicago, January, 1914, 1st and 5th pullet, 3rd and 4th pen on entry of 7. Send for complete mating list. H. E. Conrad, Box A, Norwood Park, Chicago, Ill. 2-14-1yr

Eggs For Hatching FROM IMPORTED Golden Campines, Single Comb White and Black Minorcas, Single Comb Brown Leghorns and White Wyandottes, good laying strain. Stock for sale. Satisfaction guaranteed. C. Jackson, Box M, Buchtel, O. 3-14-1yr

BARRED ROCKS OF GOOD TYPE AND LARGE size. They lay and they weigh. Choice pullets, either mating, for sale. Eggs from six of the best pens I ever owned. Send for mating list. Mrs. Chas. E. Popham, R. 7, Charleston, Ill. 3-3

EGGS EGGS EGGS FOR HATCHING our specialty. White Wyandottes exclusively, Duston strain. 200 two-year-old layers. Eggs from choice, pure bred stock, 15 $2, $5; 50 $3.50, $12; 100 $6, $20. Fertility and safe delivery guaranteed. Omaha shipments. Forest Lawn Wyandotte Yards, J. H. Faris, Florence, Nebraska. 3-1

ROSE COMB WHITE MINORCAS 6 PRIZES at Aurora Show, Dec. 30-Jan. 3, 1914. Have sold my place, so my stock will all have to go at half price. Two dozen hens, one and two years old; one cock bird, six cockerels. B. W. Porter, La Grange, Ill. 3-1

BARRED ROCKS AT THE BIG Mississippi Valley Fanciers' Show on seven entries won 4 firsts, 1 second, 2 thirds and the four specials offered by the American Plymouth Rock Club. Write for mating list. C. H. Talbot, 930 Mound St., Davenport, Ia. 3-1

ONEIDA INDIAN REDS
Our R. and S. C. Reds made the most sensational win by winning more prizes than all competitors combined. We have show stock for sale. Illustrated catalog free. **Ontario View Poultry Yards, Oneida, New York.**

WHITE ROSE COMB LEGHORNS BLACK
My Birds win at the Greater Buffalo show, 1st and 2d cks., 1st and 2d hens, 2d cock, 3d and 4th pullets, 3rd pen. Silver cup for best display. Stock for sale. Eggs, $5.00 per setting. A. F. Almendinger, 61 Inwood Place, Buffalo, New York.

White Wyandottes

At the GREAT CHICAGO SHOW I won 1-3 Cock, 1 Cockerel, 4 Pullet, 2 Pen, and Silver Cup for Best Display. Special prices on elegant Breeding and Show Cockerels. Illustrated Mating List free.

Both Eggs and Baby Chicks

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Is *all* medicine and food. *No* fillers used. Contains correct amount of phosphorus needed by all live-stock. Composition and analysis on every pail.
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Do away with the bother by using

Succulenta Tablets

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail $1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to **The Succulenta Co., P. O. Box 405- 1, Newark, N. J.**

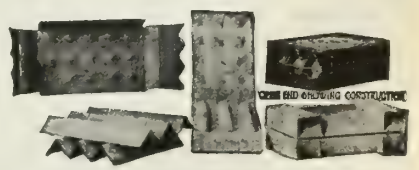
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Green Ridge White Orpingtons

Cook Strain, Win at Pittsburgh Fanciers' Show, February, 1914—Championship special for best display, cock 1st, pullet 1st, hen 3rd and 4th, cockerel 1st and 2nd, pen 1st, on eight entries. Eggs and Stock for sale. Write us your wants.

Green Ridge Poultry Farms, Inc. -:- **Green Ridge, Maryland**

BIRD'S PARTRIDGE ROCKS

Win all Firsts Competed for at the Great Chicago and New York Shows, Dec. 1913

The above record in hot competition is the greatest ever made in the history of the breed. Every winner from our own yards. The grandest exhibition and breeding birds for sale. Our strain will win you prizes and make money for you. Get our catalog containing details of our wonderful prize records, etc. **EGGS** from America's Undisputed Champions at **$10 per 15.**

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Again they Gobble, Gobble, Gobble, "The World's Champion Bronze"

At Madison Square Garden, December, 1913, in the hottest competition, our turkeys made their greatest record by winning 20 of the 25 prizes, including all the firsts. Every winner from our own yards except fourth cockerel. We will please you with the best exhibition and breeding birds at right prices. Satisfaction or your money back. Write wants. Eggs in season. Catalog. **BIRD BROS., MEYERSDALE, PA.**

Red Feather Farm Reds

Rose and Single Combs

Again Our Great "SENSATION" STRAIN Wins in Hottest Competition

AT MADISON SQUARE GARDEN
December 26-31, 1913

Nearly 400 REDS shown—the GREATEST QUALITY CLASS in the history of the breed—we won on Rose Combs, 1st COCKEREL AND COLOR SPECIAL, 4th COCKEREL, 2nd PULLET.

AT BOSTON
January 13-17, 1914

With America's leading breeders competing on Rose Combs, we won 1st COCK, AND SHAPE SPECIAL, 1st HEN AND COLOR SPECIAL, 3rd HEN AND 2nd PEN.

These winnings were made with other birds after our annual clean sweep at Providence, where we won **27 regular and special prizes on 13 entries including EVERY FIRST PRIZE (5), EVERY SHAPE, EVERY COLOR and EVERY GOLD SPECIAL and STATE CUP for sixth successive year,** and were also awarded **PROVIDENCE JOURNAL CUP (value $100) for the BEST SIX RHODE ISLAND REDS IN THE SHOW—to be won three times.**

Hundreds of Cockerels and Pullets That Will Breed Winners For You
EGGS FROM THE BEST PENS WE EVER MATED **SEND STAMP FOR MATING LIST**

RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 100, Tiverton 4 Corners, R. I.



The Best S. C. White Leghorns In America

Will, we honestly believe, be hatched from our matings this season. If you could see the marvelous quality in all our pens, you would say so too.

We entered in 23 classes in four shows this season and won first in 20 classes and second in the other three. **We have won more firsts, specials and other awards in the past four years at the Grand Central Palace, New York, Boston, Hagerstown and Philadelphia, THAN ALL OUR COMPETITORS COMBINED.** At the last Palace, New York, show, in what everyone conceded to be the strongest and best class of Leghorns ever exhibited in this country (don't take our word for this—look up the comments in any poultry paper), we won the display prize by over **1,000 points more than our nearest competitor, besides Best Pullet and display in the whole show.** Our stock has not only won for us; it has won for our customers in most every part of this country and Canada. IT WILL WIN FOR YOU.

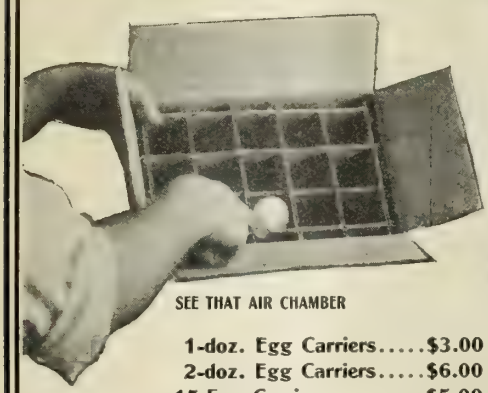
Buy your stock and hatching eggs from the breeder that produces the goods. "Actions speak better than words."

We supply hatching eggs from the same pens as we hatch our winners from, at the following prices: 60c per egg from the first 10 pens, every one headed by a champion male; 35c per egg from pens 11 to 20, each headed by a prize winner; 20c per egg, or $15 per hundred, from other good pens, all headed by cracker-jack males. Send for catalog and mating list, and mention A. P. J.

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We have at last perfected a

PERFECT EGG CARRIER

which is suitable for carrying the finest eggs to destination in perfect condition. Its price is such that it can be profitably used for commercial purposes. It is the ideal parcel post carrier. **We have letters from a number of America's foremost fanciers stating it is perfect. These illustrations tell the story.**



THIS SEAL IS YOUR PROTECTION

1-doz. Egg Carriers.....$3.00 per 100
2-doz. Egg Carriers.....$6.00 per 100
15-Egg Carriers .....$5.00 per 100
30-Egg Carriers..... $9.00 per 100
100-Egg Carriers.....$16.00 per 100
(Shipping Labels and Tape Furnished Free)

We also manufacture the Andrews Patented Safety Chicken Coop—beyond a doubt the most unique case on the market. It is ideal for use in shipping fancy fowls. You should not fail to ship your exhibition birds to shows in these cases. Prices mailed upon application. We also make a complete line of Baby Chicken Carriers and Portable Wooden Colony Houses.

THE ANDREWS PAPER BOX COMPANY

The South's Leading Corrugated Paper Box Manufacturers

O. B. ANDREWS, President **CHATTANOOGA, TENN.**

$8.50 Buys 150 Egg INCUBATOR And 150 Egg BROODER

Fortunate deals in buying raw materials, our modern factory methods and our direct-to-you plan enable us to cut the price to a fraction. It's the most remarkably low price we have ever been able to make ourselves or have ever heard of elsewhere. The machine has the best regulator; dependable thermometer; strong, well-built egg-trays; all metal safety lamp with bowl stamped out of sheet steel; best lamp bracket; steel legs; best egg-tester. Write for this wonderful proposition on

The ROCKFORD INCUBATOR & BROODER

Incubator alone $6. Metal Brooder $3. Both Incubator & Brooder $8.50

You could not ask for better quality—to pay more is needless

It is heated with warm, pure air. Foul or impure air is carried off. No chance for lamp fumes to enter egg chamber. All parts are heated evenly. Side walls and top are made of 1-inch lumber and lined with heavy deadening felt, and again lined with half-inch lumber inside. Heat cannot get out—cold cannot get in—fuel is saved. The Brooder is water heated—fire-proof and weather-proof—easily handled.

Order Today on Approval—Guarantee Protects You

Don't let anything keep you from this remarkable proposition. The quality is so good—the guarantee so strong and the price too low to let anybody miss it. We guarantee the incubator to satisfy you in hatches and also guarantee the metal brooder to raise chicks to satisfy you or we return your money. Send us your order today or write us for further information.

The Rockford Incubator Co. Box 15 Rockford, Ill.

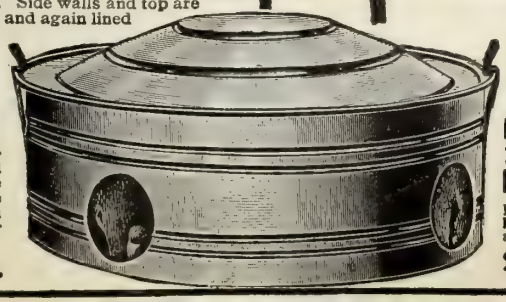
Just Think of It!

Others Are Ordering Direct From This Advertisement

Why Don't You?

Poultry raisers! Get in on this offer quickly. In all of our 26 years' experience we have never been able to make so astonishing an offer as this. Don't miss it. Here, we give you everything you could want in a reliable hatcher, at a low price that has heretofore been impossible. Bear in mind that this incubator is fully guaranteed—shipped ready to use—no extras to buy. We charge only for actual cost of material and labor with one small profit, and depend on enormous production.





$6.00 For This 150 Egg Incubator

Money Back Guaranty

It comes to you all set up (not in knock-down form) Just fasten legs and lamp bracket and start the hatch.

$3 For This 150-Chick BROODER

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Eclipse all former achievements and win the most brilliant record of their time at Madison Square Garden, New York, this Winter of 1914, winning as follows:



ALL RIBBONS ON COCKERELS, namely, first, second, third, fourth and fifth prizes.

First and fourth on Cocks.

First, second and fourth on Exhibition Pens.

The Imperial prize of the show, Sweepstakes Special for Champion Male.

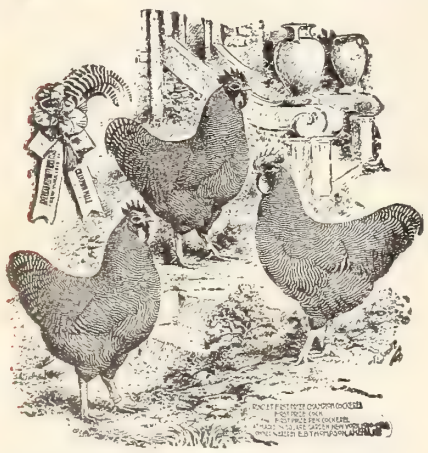
Medallion for Champion Cockerel.

Diploma presented by the American Poultry Association for Best Cockerel.

Spec'l for Best Shaped Male.

Spec'l for Best Colored Male.





"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Scuare Garden, New York.

Silver Cup for Best Plymouth Rock hatched in 1913, male or female, any variety.

Specials presented by the President of the American Barred Rock Club for Best Cockerel and Best Pullet.

Three Best Cockerels; Best Display; Best Collection.

Silver Cup presented by the New York Sun for best Cock, Hen, Cockerel, Pullet and Pen.

Sweepstakes Silver Cup for Best Exhibition Pen.

The Association $25 in Gold for Best Display.

All Silver Cups and Cash Specials.

Three times as many first Prizes as any Barred Rock Exhibitor.

More First, Regular and Special Prizes than any Exhibitor of any breed.

My exhibit was the most illustrious ever presented to the world —every winning feather was bred on my farm.

The amazing record of **1st, 2nd, 3rd, 4th and 5th prizes** on Cockerels—every Regular and Special Prize offered—stands unmatched in the history of Madison Square Garden. It is unequalled. These cockerels and hundreds of their brothers on my farm are beyond comparison—they are the Finest in the World.

If you want to win and breed winners you must have my Imperial "Ringlets."

They are the standard by which all other Barred Rocks are judged. See my ad. on page 294 for my remarkable record of one year ago at New York. These great twin records, two years in succession, spell **Imperial "Ringlet" Supremacy.**

GRAND BIRDS FOR SALE

EGGS from the finest exhibition matings in the world $10 per setting; four settings, $35; 100 eggs $60.

E. B. Thompson

Lock Box 510, AMENIA, N. Y.

VOL. 45 APRIL, 1914 NO. 4

AMERICAN POULTRY JOURNAL

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U.S. Department of Agriculture.



Published Monthly by American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Ill. Jas. W. Bell, President and Editor. 10c a Copy; $1.00 a Year



Sheppard's Anconas For Profit!

Poultrymen are of one opinion when it comes to the question of Poultry Profits. Almost without exception they will tell you **"the profit is in the eggs!"**

—and SHEPPARD'S famous "ANCONAS" have challenged the world for egg production.

G. W. Idle writes, "Pullets hatched from eggs purchased from you have laid an average of **256 eggs each** for entire flock for year."

"Going some"—but ANCONAS have the wonderful trapnested record of 270.

Don't that sound like **profits** to you?

They are beautiful fowls from a fancier's standpoint, and as a utility fowl the "ANCONAS" cannot be equalled.

You are in the Poultry business for all the **profit** there is in it, and no matter how you look at it, the "ANCONAS" lead.

They are hardy, prolific, not inclined to set, are the **greatest layers the world has known,** and they always present a clean, well groomed appearance.



Don't you think it would be a good idea to raise the most profitable fowls on the market?

ANCONA Pullets lay as early as $4\frac{1}{2}$ months—they lay large white eggs—they require **less food, less floor space,** and are busy laying, when the heavy fowl is setting.

Wouldn't it be a good idea to have complete information on this profit making strain? Tear out the corner and mail it quick for your copy of my catalog and mating list.

H. Cecil Sheppard, Berea, Ohio.

I would like complete information on Sheppard's famous "ANCONAS" —the "World's Best."

Very truly,

Name_____

Address_____

H. Cecil Sheppard

Box M-2 - - Berea, Ohio



1st Old Chicago Pen 1913-14, Bred and Owned by F. E. Harrison, Menominee, Mich.

F. E. HARRISON'S ARISTOCRATIC ROYAL RED S. C. R. I. REDS

Are the acknowledged champions by virtue of a show record unequalled by any competitor.

In the last two Chicago Coliseum Shows, 1912-13 and 1913-14 (note the dates), Royal Reds won nine out of a possible twelve firsts , competing with seventy-four competitors, none of which won more than one first.

In addition to this, in these two great shows, Royal Reds won five seconds, four thirds, three fourths, and two fifths, and three times as many color specials, shape specials and championships as all other competitors combined, and best display at both shows. Think this over.

Catalogue free for the asking.

F. E. HARRISON, Box 30, Menominee, Mich.

GOLDEN SILVER CAMPINES FAVEROLLES WHITE BUFF

The question how to get many eggs in winter now solved. Get White and Buff Faverolles. We doubt if ever there were better zero winter layers produced than are White and Buff Faverolles. And if there are better quality table fowls on earth we have never found them. Our Campine matings this season are of high class order. **Eggs, $5.00 per 15; $30.00 for 100; except Buff Faverolles, $1.00 an egg. Stock for sale at right prices.**

AUG. D. ARNOLD BOX 777 DILLSBURG, PENNSYLVANIA



BUFF



WHITE



BLACK

Byers' Orpingtons

BUFF, BLACK, PEARL WHITE

15 Years a Successful Breeder of Orpingtons Only—The Greatest Producing Line in America

That's why you will profit by a purchase from me in either Stock or Eggs. I produce and sell winners from Ocean to Ocean. I sell Eggs that do the same. I am the oldest Breeder of Orpingtons in America maintaining a reliable policy and a complete line of the Best Possible in Orpingtons. Hundreds of Birds for sale every month of the year. You pay for nothing but quality.

EGGS—Best Possible Matings. $10 per 15, $18 per 30, $50 per 100. 8 chicks guaranteed hatched or I will replace full setting free. Utility Eggs, customary price and terms. My Big Catalog and Spring Supplement is Free, if you make clear your requirements.

C. S. BYERS (Successful Orpington Specialist 15 Years) **HAZELRIGG, IND.**



Send for new Illustrated Catalogue and Mating List TODAY.

"PREMIER"

PARTRIDGE WYANDOTTES

For Utility and Beauty

Winners of more First Prizes than any other strain of this variety in the world, regularly winning the majority of the ribbons at the great shows at New York, Boston, Chicago, Cincinnati, Hagerstown, Allentown, Nashville, Knoxville, etc. By reason of their wonderful merit as Practical Utility Fowls, they are rapidly displacing the older breeds.

Order Hatching Eggs and Baby Chicks Now!

You have probably never seen a broader guarantee on eggs and stock than we make. Read it in our Mating List.

Free Poultry House Plans for Our Customers.

SHEFFIELD FARM H. B. Hark, Mgr. Poultry Dept. **GLENDALE, OHIO**

Know Your Hens on Sight

Successful breeding depends upon knowing your fowls at sight. The

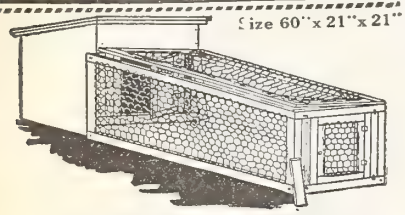
SPIR-O-LO
TRADE MARK
LEG BANDS



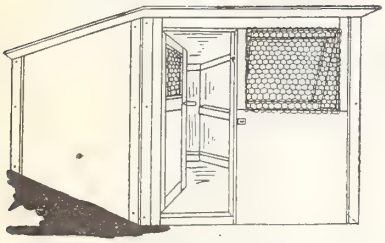
Are made in six colors and give you 120 combinations. They are indestructable and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address. Retail prices—25c a dozen, 50c for 25, 85c for 50; $1.50 for 100. Pigeon and baby chick bands, 20c a dozen, 25 for 35c, 50 for 60c, 100 for $1.

P. S. RIGGS : WHITE PLAINS, NEW YORK

Size 60"x 21"x 21"



Coop and Yard for Hens and Chickens, $2



6 ft. x 8 ft. PORTABLE HOUSE, $15.00

Portable and Colony Houses, Oat Sprouters, Shipping and Training Coops, Trap Nests, Grain Chests, etc. Write for free booklet showing 20 different cuts.

E. C. YOUNG BOX CO., Randolph, Mass.

Big Money Growing HELIANTI the new "wonder plant." Beats ginseng or anything else that grows. Thrives in any soil or climate. Write for full particulars. **Burgess Seed Co., 3 A. J., Allegan, Mich.**



FIRST ANCONA PULLET-CHICAGO, 1912
BRED BY
DR GUY BLENCOE, ALMA CENTER WISC

Blencoe's Anconas

Have Won From Boston to Seattle

Won 1st Pen at Chicago this December, 1st Cockerel, 1st, 2nd, 3rd and 4th Pullet, 1st and 3rd Hen at Madison, 1914. Get your stock and book your eggs now.

MRS. GUY BLENCOE, Alma Center, Wis.

World's Foremost White Wyandottes

REMEMBER—My White Wyandottes have been the most prominent winners in the leading shows for over 15 YEARS and many owe their success to my strain, while I have won many first and second prizes, cups and specials at New York, World's Fair and other shows, past year won the $25.00 cash special for best display, offered by the Massachusetts State Board of Agriculture.

One of my patrons has been a most noted winner at **Chicago** for three years, another the past three years won the lion's share at **Indianapolis** and **Pittsburg, Pa.**; another won more last year than all others and again this year made a big win against several noted breeders at **Dallas, Tex.**; one won three firsts and several other prizes at **Toronto, Ont.**, with birds bought from me; another won the $100 Challenge cup for best display, and at **Ottawa, Ont.**, my birds have been the most prominent winners many times. One patron writes, cockerel I sold **won 1st at Youngstown, Ohio, also A. P. A. medal for best male in show**, and did the same as cock; another writes, "the cockerel you sold me won 1st as cock at **Minnesota State Fair** and 1st cock at **Minneapolis** show." At **Detroit** my patrons have been the most prominent winners and at recent show winning more than all others combined. At **Baltimore, Washington, D. C.**, and many other shows my strain have been the prominent winners. Now, I have letters on file to prove these claims, and my circular will give names and dates in full. Send for it, **free.**

I will sell Eggs from a limited number of special matings at $5.00 per setting, 50 Eggs $15.00. All stock purchased can be returned at my expense if not satisfactory, conditions under which I have sold all my stock, and have shipped to all parts of the world.

J. H. JACKSON Lock Box 88 Hudson, Mass.

P. S. Farm raised, in open front coops; bred with an eye for vigor and great laying as well as Standard points.

WHITE WYANDOTTES

Again we win at Philadelphia, December, 1913, 1st and 5th prize Pens, 2nd prize Cockerel and 5th Hen and Silver Cup for best display. We were showing against 29 exhibitors. At Philadelphia, December, 1912, we won 1st prize Cockerel and 3rd Pen.

SEND FOR FREE CATALOGUE. Our birds are big winter layers. Eggs from Philadelphia winners, $5.00 per 15; $8.00 per 30; $10.00 per 45. Other prize pens, $3.00 per 15; $5.00 per 30. Utility, $2.00 per 15; $8.00 per 100. Baby Chicks, $8.00 per 50; $15.00 per 100

CARR BROS., Celtic Poultry Farm, Box R, VINELAND, NEW JERSEY

Hillswood S. C. Reds Win at both N. Y. Shows, Dec. 1913

First prize cockerel, shape special and championship of the whole class at Palace, New York, Show, and third prize cockerel at Madison Square Garden in competition with the world's best, and I am the only exhibitor to receive ribbons in the cockerel class at both of these shows.

THESE WINNINGS HAVE A "STING OF QUALITY" TO THEM

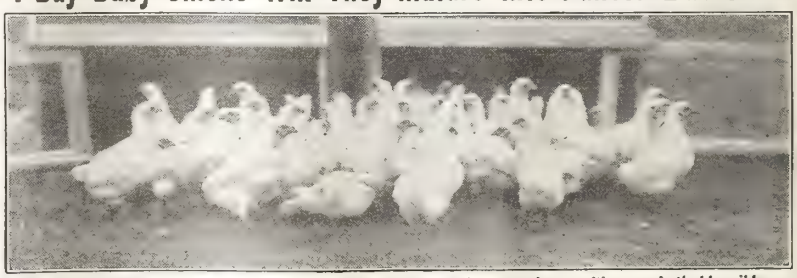
Write me your wants. I have mated a few very select pens for the egg trade that should turn out quality chicks.

My Rose Comb Reds have also produced winners.

Eggs from exhibition matings, **$15 for 15.** Choice matings, **$5 for 15.**

ERNST UNDERHILL - MORRIS PLAINS, N. J.

If I Buy Baby Chicks Will They Mature Into Pullets Like These?



Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs, that's the question before everyone who buys day-old chicks. It is not the firs price that counts—but will they be right at maturity ?

Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

From Utility Matings

Will mature into long backed, well made birds, pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

Our Flocks are Vigorous

All Fall our flocks have roamed meadows and woods accumulating health and vigor. They are now in Winter quarters so full of life and vitality that their chicks will be strong and sturdy.

Here is the Caldwell Selling Plan

We are now booking orders for "Baby Chicks of Quality" for Spring delivery. We never have been in such fine shape to handle orders of any size. Our fine plant is fully stocked with the finest birds we ever owned of both utility and exhibition quality. An early placed order enables us to so arrange our hatchings that we save money. By your faith you are entitled to that saving so we will allow you discounts for early placed orders, the earlier the greater the discount. **Safe arrival of chicks is guaranteed.**

A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

R. C. Caldwell : Box 1021 : Lyndon, Ross County, Ohio

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Two Headliners in the Poultry World

Tecktonius-Reed Strains

R. C. S. C. BUFF LEGHORNS S. C. RHODE ISLAND REDS

Now Under Same Management



The fame of "Tecktonius" Buffs—America's Champion exhibition and laying fowl—is world wide. Big exhibition prizes, everywhere, at their mercy—not once, but for 7 consecutive years. Their laying record, as well, is as long and brilliant, with 249½ average in 1912 Nat'l Laying Contest—one bird, 281 high. "Tecktonius" Buffs build "winning" reputations, and make "big money" for poultrymen. Put your trust in them and be a "winner" as a poultryman.

Take note of **Reed's S. C. R. I. Reds**—the coming champions of 'Reddom'. This **unrivaled strain of Reds** is the outcome of 7 years efforts of B. C. Reed—one of the most—if not the most—scientific and successful breeding and mating expert this country has ever known. Mr. Tecktonius, recognizing Mr. Reed's extraordinary breeding ability, and the almost perfect strain of Reds he has evolved, has enlisted Mr. Reed's co-operation, and henceforth, these 2 breeding geniuses will work hand in hand for the advancement of these two grand strains.

Some Unrivaled Tecktonius Strain Bargains

S. C. Matings--Pens 1 to 6 inclusive, one 15-egg setting, $10; two, $18, three, $25.
Random Selection--If selected from one pen, in which price rules, $5 per setting, extra. Pens 7 to 10 inclusive, one setting, $5; two, $9; four, $15. Pens 11 to 14, inclusive, $2 per setting; $10 for one hundred.
R. C. Matings--Pens 15 and 16, one setting, $15; two, $25.
S. C. Utility Stock--Hens, $2; Cockerels, $3 and $5; trios and pens, $10 and $15.
Exhibition Stock--Hens, $5; Cockerels, $15 and $25; trios and pens, $25 to $50.

No Chicks of Either Variety For Sale. Mating List Free.

Special Introductory Offer—Reed's Strain S. C. R. I. Reds

We have mated 6 pens of these Royal Bred birds--the cream of 565--comprising 2 Cocks, 4 Cockerels, 20 Hens and 40 Pullets. Everyone is a marvel of breeding, with exquisite, rich even Red Color, and with absolutely no contrast between hackle, back and sickle feathers. The tail and wing markings are as near perfection, as scientific breeding can make them. Both male and female types come up to standard requirements, and well over standard in breeding weight. From all pens above described, we will sell eggs as follows: One 15 egg setting, $5; two, $9; four, $15; per one hundred, $25.

No Stock For Sale Until Fall. No Chicks For Sale.

TECKTONIUS & REED BUFF & RED FARM Route 8 Racine, Wisconsin

START RIGHT

GET THE VERY BEST—THEY COST NO MORE THAN OTHERS

Rudy's Perfection Strain

White Wyandottes

20 pens mated, each one headed by one of those famous broad backed, deep bodied, well spread tailed Perfection Wyandottes.



These eggs per sitting of 15 . . . . $ 5.00
Fifty eggs 15.00
One hundred eggs $25.00
Eggs from special pens, per 15 . . . 10.00

All of my exhibition stock is hatched from these 20 pens. I replace all infertile eggs returned to me before 14 days. Write for mating list.

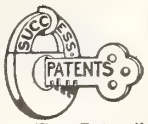
GEO. H. RUDY Route 15 Mattoon, Illinois





ADJUSTABLE CLINCH — NO BETTER
Poultry Leg Bands Made
25, 20c; 50, 35c; 75, 50c; 100, 65c; 200, $1.00. No stamps taken. Frank Cross, Manufacturer, Box 506, Montague, Massachusetts

PATENT your Inventions—

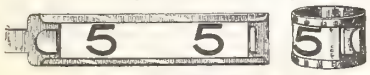


My expert, confidential service means real protection. Before applying for a patent, write for my booklet, "How to Save Money on Your Patent"
LESTER L. SARGENT, PATENT ATTORNEY (Reg.)
716 12th St., : : Washington, D. C.

They Win Again!
WARREN'S
S. C. REDS
CROWTHER STRAIN
Cleveland, Grand Palace and Madison Square Garden, New York

5 mating pens headed by ribbon winners.
Eggs $5 to $15 per setting.
High class Cockerels $3.00 and up.
Birds shipped on approval, to be returned to us in 24 hours if not satisfactory.
Write for mating list.
Bell-Vista Farm -:- Mentor, Ohio

Bourne "Bignum" Poultry Band



Patent Applied for.

Send two 1 cent United States stamps for samples and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each $2.50 a 100.
Bourne Manufacturing Co.
Box M, Melrose, Mass.

LAYING HENS LIKE THESE



ARE PRODUCED BY USING
HINE'S MEAT SCRAPS
AND POULTRY BONE

No successful poultry breeder can eliminate meat in some form from his chicken food. The meat scraps made by us is a highly concentrated protein food. It satisfies the natural craving of fowls for flesh food, insuring health, thrift and vigor—which means "laying hens." This meat scrap contains the necessary ingredients for building up "money-making fowls." Hine's Meat Scraps are endorsed by experiment stations and the world's largest poultry breeders. No matter if you own one or ten thousand chickens you need meat scraps. Just write us and we will send prices and a sample.

Sold on its merits.
If not satisfactory money refunded.
HINE BROS. CO.
Manufacturers
4023-37 S. Ashland Ave., U.S.Y. Chicago, Ill.



BUFFORPINGTONS

At the Great Quincy Show, November, 1913, my Buff Orpingtons won 1st, 2nd and 5th young pen, 2nd old pen, 2nd cock, 2nd cockerel; also color special on female. A lot of grand cockerels and pullets at prices that will more than satisfy my customers.
Eggs, $5 and $10 per 15. All infertile eggs replaced.
A. A. ANDERSON :: MACON, ILLINOIS



Orr's Special Chick Feed

Used by such men as D. W. Young; H. J. Fiske; D. J. Lambert, E. B. Thompson; Est. J. P. Morgan; Est. E. H. Harriman, and many others. Don't ruin the baby chicks with an inferior chick feed. We guarantee every particle; it is sound, sweet and palatable; will not get musty or sour. **It's always fresh.** You cannot raise the best strong, hardy chicks without **Orr's Chick Feed.** Our **mash, scratch** and **growing feeds** are the best made. **Old white cracked corn** one of our specialties. Send for booklet free; also price list.
WM. ORR & SONS Box 5 ORR'S MILLS, NEW YORK

Hatched at 6° Below Zero

452 Chicks out of 469 Fertile Eggs
Set Feb. 1st in a Candee.

CRYSTAL WHITE POULTRY YARDS.
Shavertown, Pa., Feb. 26, 1914.

Gentlemen—Thought perhaps you might be interested to know of my success with the machine.

On February 1st I put 525 eggs in the machine, and in five days tested out 56 infertile eggs, leaving 469 fertile eggs to hatch. On the 21st of February I took out 452 of the finest chicks you ever saw, leaving 17 eggs that did not hatch. I consider this remarkable, in view of the fact that it was the first of the season, when fertility, etc., do not run the best.

My machine is full now, and eggs hatching from time to time. Yesterday another hatch came off, and out of 134 eggs, two compartments, I got 127 chicks for my customer. Another such hatch as my first one, and my incubator will be paid for, because I sold the chicks for 20 cents each and realized $90 on the sale.

The machine is running fine, no trouble, no bother for my wife, because she never looks at it, and when I look at it morning and evening it is just as I leave it each time. Keep coal on the fire, and that is all.

Last week, when the thermometer registered 20 degrees below here, I had 6 windows open in my cellar and **it was 6 degrees below right in front of the incubator,** but the thermometers registered 103 on the inside, so I had no fear, nor did I care how cold it was on the outside.

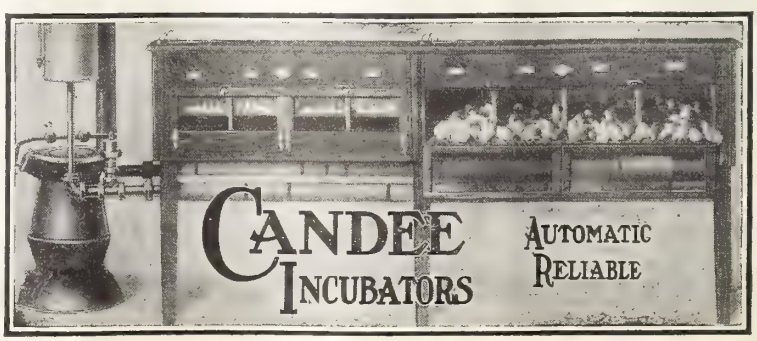
JOHN S. LLOYD.

From all parts of the country, Candee operators are writing of their splendid hatches. It is already evident that the fine work of last year will be eclipsed.

The Candee hatched chicks are proving their superiority—stronger and healthier. They stand shipping better. They grow faster and they lay earlier.

If you would know more about Candee incubators and brooding systems, write for our big free 108-page catalogue.

CANDEE INCUBATOR & BROODER CO., DEPT. 2 EASTWOOD, N. Y.



BLUE WAVE BARRED ROCKS

At St. Louis, 1913. Won 1st and 2nd pullet. Special for best shaped female. Ill. State Show, 1914, 3rd exhibition pullet, 3rd cockerel m. pullet, 3rd cockerel m. hen, 4th cock. Eggs from these winners now ready for shipment with fertility guaranteed. Free mating list.

E. A. WEBB -:- -:- **EWING, ILLINOIS**

Bawden's Buff Plymouth Rocks

are known to expert breeders of this variety as the greatest prize winning and truest breeding chain in the world, prices on application.

Ask for 1914 Egg Catalogue

JOHN BAWDEN **RIDGETOWN, ONTARIO, CANADA**

Miss Hooker's Orpingtons, Buffs and Blues

At Springfield, Mass., in December, 1913, Mr. Richard Oke judging, 175 Buff Orpingtons and 43 Blues competing, my birds won the Display Special in both classes. This included the State Cup in Buffs and many other specials.
At Madison Square Garden this year, my winnings were 1st and 2nd hen, 3d pullet and 2nd pen in Buffs; 2nd and 5th hens in Blues. Illustrated mating list free. **Eggs** cheaper, for quality of stock than from any other U. S. breeder. $3 to $20 for 15 eggs.

Henrietta E. Hooker -:- -:- **South Hadley, Massachusetts**

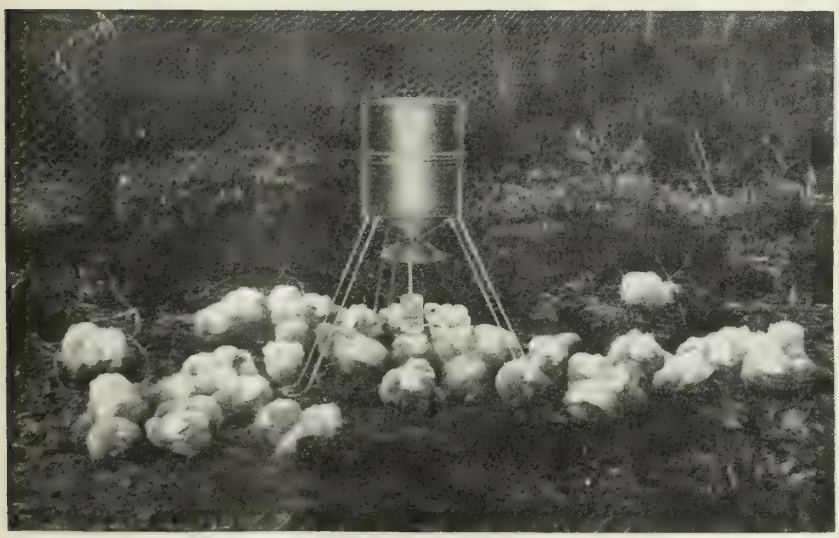
Don't Starve Those Chicks

and Don't Overfeed Them

ONE EXTREME IS AS BAD AS THE OTHER

The greatest of all "chick problems" is trying to feed the little ones correctly. Your season's success depends upon rearing them into big, strong, healthy birds—the kind that can go forth and command a good price for you. There is but "one and only one" solution to this feeding problem—and that's to use a

Simplicity Kant-Klog Baby Chick Feeder



This feeder will feed your chicks just as they need it—automatically, without thought or trouble on your part. It will make them grow and develop quickly, turning them into strong, healthy birds. A little chick's crop does not hold very much and is soon empty. You can not be there all the time to feed them, yet they must eat often and this feeder solves the problem. With this feeder no grain is left lying around to become filthy and foul and then eaten, causing gases, bowel trouble and other sickness. In plain words it is simply perfect and perfectly simple. Holds about a quart of feed, stands on three wire legs and it is guaranteed.

ORDER DIRECT FROM THIS AD You run no risk whatever—if you are not satisfied your money is refunded. **The price delivered to your door is $1.25**

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Send for catalog. We carry a complete line of poultry appliances and can save you money.

Little Giant Stock Food Tonic

The Phosphorus-Food

Is *all* medicine and food. *No* fillers used. Contains correct amount of phosphorus needed by all live-stock. Composition and analysis on every pail.

5 lb. tin $1; 10 lb. $1.50; 25 lb. $3.

If your dealer cannot supply you, write us.

Little Giant Stock Food Co. Newark, N. J.

Don't Feed Green Food!

Do away with the bother by using

Succulenta Tablets

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail $1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to **The Succulenta Co., P. O. Box 405- 1, Newark, N. J.**

Greider's Fine Catalogue



and calendar of fine, pure-bred poultry for 1914. This book contains many pages of poultry facts. 70 different varieties, some shown in natural colors. All illustrated and described, tells how to make hens lay, raise and care for them, all about the Famous Greider Incubators and Brooders. Shows photo of the largest poultry farm in Penn. Prices of breeding stock and eggs for hatching and supplies within reach of all. A perfect guide to all poultry raisers. Send 10c for this noted book on poultry.

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Colored Leg Bands

Mark your fowls with adjustable, *colored* Leader Leg Bands. Celluloid *colored* number strip. Rigid, strong aluminum band with turned over edge. Neat, secure fastening.

LEADER BANDS — ALL COLORS

White, pink, red, blue, yellow, green and slate, for marking *poultry*. Prices: 12 bands 35c; 25, 60c; 50, $1.10; 100, $2.00. We also make colored Open Chick Bands. Write today.

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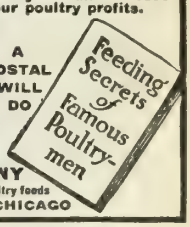
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Send now for this FREE Book



If you want more eggs from your hens, more fertile eggs and faster growing chickens, you want this new valuable book. It tells how successful poultrymen make their chickens pay big profits by proper feeding. **It tells how you can increase your poultry profits.**

A POSTAL WILL DO



DARLING & COMPANY
Mfrs. of Darling's high-grade meat poultry feeds
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WETMORE'S WHITE WYANDOTTES

Are equal to the BEST. Under leading Judges, that are specialists on White Wyandottes, and in strong competition,

THEY WON AT

BUFFALO SHOW

1st and 3rd Pullet, 2nd and 5th Pen and 5th Cockerel in 1913, and 2nd Cockerel, 4th and 5th Pullet in 1914.

Splendid Winter Layers, the result of careful selection. A choice lot of Cockerels, Pullets and Pens for sale.

C. S. WETMORE
ABBOTT ROAD, LACKAWANNA, N.Y.

Kaup Quality Buff Orpingtons Win at CHICAGO, 1914

First, third and fourth cocks; first and fifth hens; second, third and fourth cockerel; first, second, fourth and fifth pullet; first old pen; first, second and fourth young pens. Silver cup best display. *Five times as many firsts as all other exhibitors combined. Three and one-half times as many points as next highest competitor. Twice as many prizes as all other exhibitors combined.* Does the above unqualified caption mean anything to you? Send for 36-page fully illustrated Buff Orpington Guide Book, the catalog of the champions; tells all about the famous trapnested winning Buff Orpingtons and tells why

I Haven't a Dissatisfied Customer in the Whole World

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LONGFIELD R.C. REDS AT THE GREAT CHICAGO COLISEUM SHOW, DECEMBER, 1913

Won 1 Cock; 1, 3 Hen; 1 Old Pen; 3 Young Pen; 5 Pullet; Gold Watch for best display; $10 cash for best mated pen; also shape and color specials on First Hen. In addition to our winnings, W. L. McMillen, who breeds our strain in its purity, won 1 Pullet; 2 Hen and 3 Cock. **Longfield Reds will win for you.** In the past 3 years at this great show we have won 8 firsts (4 times as many as any competitor). AT DETROIT, January, 1914, won 75 points for display, nearest competitor 24. Our illustrated mating list tells the story. Write for it.

LONGFIELD POULTRY FARM -:- BOX 321 -:- BLUFFTON, INDIANA

EGGS! EGGS! EGGS!

FROM

NIXON'S WHITE WYANDOTTES

21 years mating, breeding, winning and judging. Does this experience mean anything to you?

Be serious. My 1914 mating list for the asking.

Prime Breeders for sale.

CHAS. NIXON Box 202 WASHINGTON, N. J.

Are You Looking for Real Eggs?

That's what you get when you buy the famous Vibert Trapnested Red eggs. Every fowl on our farm is hatched and raised by a **mother hen,** they have been raised on free **clover range** and sleep in open front colony houses.

They are scientifically line bred according to **Government methods.** These birds are the oblong type, low tails, long backs, red eyes and our farm is **free from roup and we have never known a case of white diarrhoea.**

We gather our eggs hourly and deliver them to you promptly, unbroken—they are highly fertile, full size and weight and unblemished.

Per setting, $5, $10 and $15, special prices in hundred lots.

A few trios, cockerels and mated breeding pens for sale—all of these from trapnested hens with laying records of from 211 to 267 eggs. Write to us today.

VIBERT RED FARMS
Box 70 Weston, New Jersey

Gensemer's Campines Are Winners, at the Great Coliseum Show, Chicago, 1913

We won on Goldens more prizes than all competitors combined.

Cockerels 1st and 3rd, Pullets 1st, 2nd and 4th, Hen 1st, Pens 2nd and 3rd.

Our 1st Cockerel and 1st Pullet were conceded by experts to be the best Goldens ever shown in America.

On Silvers at the same show we won 1st and 4th Cocks and 5th Cockerel.

At Cleveland Poultry Breeders' Show 1914, we won on Goldens, 1st Cockerel, 1st Hen, 1st and 3rd Pullets, 1st, 2nd and 3rd Pens, Silver Cup for Best Display.

Silvers, 1st Pullet, 1st and 3rd Pens, 2nd Cock, Silver Cup for Best Display.

SEND FOR CATALOGUE AND MATING LIST.

GENSEMER BROS., 161 Main St., CRESTON, OHIO

Red Feather Farm Reds

Rose and Single Combs

Again Our Great "SENSATION" STRAIN Wins in Hottest Competition

AT MADISON SQUARE GARDEN
December 26-31, 1913

Nearly 400 REDS shown—the GREATEST QUALITY CLASS in the history of the breed—we won on Rose Combs, 1st COCKEREL AND COLOR SPECIAL, 4th COCKEREL, 2nd PULLET.

AT BOSTON
January 13-17, 1914

With America's leading breeders competing on Rose Combs, we won 1st COCK, AND SHAPE SPECIAL, 1st HEN AND COLOR SPECIAL, 3rd HEN AND 2nd PEN.

These winnings were made with other birds after our annual clean sweep at Providence, where we won 27 regular and special prizes on 13 entries, including EVERY FIRST PRIZE (5), EVERY SHAPE, EVERY COLOR and EVERY GOLD SPECIAL and STATE CUP for sixth successive year, and were also awarded PROVIDENCE JOURNAL CUP (value $100) for the BEST SIX RHODE ISLAND REDS IN THE SHOW—to be won three times.

Hundreds of Cockerels and Pullets That Will Breed Winners For You

EGGS FROM THE BEST PENS WE EVER MATED SEND STAMP FOR MATING LIST

RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 100, Tiverton 4 Corners, R. I.

THE MIAMI POULTRY YARDS CO.

JOSEPH L. HESTON, Proprietor, TRENTON, OHIO

We will make a specialty of day-old chicks, and will have an annual capacity of 150,000 chicks. We will hatch the following varieties: Black, White and Buff Orpingtons; Buff, Brown and White Leghorns; Partridge, Barred and White Plymouth Rocks; S. C. Rhode Island Reds, S. C. Black Minorcas, Anconas, White Wyandottes, Buff Cochins and Cornish Indian Games. White and Fawn and White Indian Runner Ducks. Our catalogue is now ready. For a copy please address

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Peerless Strain Single Comb White Leghorns



Are no experiment, but have stood foremost as layers, winners and money-makers for more than sixteen years. My 45 matings this season number among the finest ever assembled.

EGGS from 20 superb exhibition matings, containing my First Prize winners at CHICAGO, DENVER and DETROIT, January, 1914, and many other equally fine specimens, only $5.00 per 25. With proper rearing and fitting, many chicks from these eggs can win at the largest National Shows. Eggs from 25 special pens of large bodied, high egg record females mated to exhibition males, $3.00 per 25; $10.00 per 100. Remember, my prices are 25 to 200 per cent lower than others—made possible by minimum operating and selling expense, coupled with large production.

Ninety per cent of my customers are successful. Big illustrated catalog, brim full of valuable information on feeding, housing, fitting for the show, etc., mailed free on request.

LEON C. HUNTINGTON BOX 12B OMAHA, NEBRASKA

Whatglen Farm
Champion S. C. Black
MINORCAS

Eggs for Hatching from selected pens, $5 per 15. From special matings, $1 per egg. Write me your wants and for catalog, please.

Madison Square Garden, N.Y., Winners

Since 1906 birds of my breeding and of my line have won at the leading shows the country over. Their record is history—commending them for highest quality and greatest possible worth. At the latest and greatest of all Madison Square Garden, New York, Shows, on 15 entries they won a total of 41 points, leading all other exhibitors, besides winning the coveted prizes, **FIRST AND SECOND PRIZE CKRLS.;** Cocks, 2nd, 5th; Hens, 2nd; Pullets, 1st, 2nd, 5th; Pen, 2nd. I have bred my line for over 15 years to their present quality of great winners and great layers; they are bred right to reproduce and to satisfy. I offer mated breeders, line-bred, in any desired number, having the largest farm and largest stock.

Whatglen Farms, Lancaster, Pa.

FRANK McGRANN, Owner HIRAM DEMMY, JR, Mgr.

American Poultry Association

The poultry industry of this country amounts in the aggregate to one billion dollars per annum. These figures paralize the imagination.

The American Poultry Association is the largest live stock organization in the world and its membership is increasing with tremendous rapidity. On its roll are the leading breeders and representative poultrymen of Canada and every state in the union.

Every breeder, fancier, man and woman in the United States and Canada who is interested in poultry of any kind should join this great organization.

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The Standard of Perfection is the official guide for the breeding, mating and judging of all poultry. It gives a close and detailed description of every breed and variety of chickens, ducks, geese and turkeys, with illustrations from living models. This book is published by the American Poultry Association at an enormous expense and is the American authority. You can not raise poultry successfully without this American Standard of Perfection. Prices postpaid from the publishers of this paper. Cloth binding, $2; leather binding, $2.50. Send all orders to American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.

On its shoulders rest this gigantic Billion-Dollar Industry.

Your interests will be promoted and safeguarded. You may compete for the association diplomas and gold and silver medals at the shows, and be entitled to all the help that honest organized effort can give you.

You will have a voice in shaping the course and policy of the association. Making it recognized by nations and governments. Your name should be one of the thousands of the honored members of this association. We urge you to write immediately for information and application blank. Address

E. B. THOMPSON, President, Amenia, New York
S. T. CAMPBELL, Secretary

American Poultry Association, Mansfield, Ohio

U. R. FISHEL'S AD in this issue will interest you. Read it.

SILVER CAMPINES GOLDEN

EGGS! EGGS! EGGS!

From Most Popular Breed in America!

Again we head the procession with our superior matings.
Our birds swept the deck wherever shown in good hot classes.

AGAIN OUR YARDS ARE

THE PACEMAKERS OF AMERICA

Our matings this year have never been more carefully selected. To popularize the breed, will offer our Champion Matings at $1.00 per egg. High-class matings, 50c per egg. Good matings, $4.00 per fifteen. First come first served.

If it's Campines you want, we have them. There is nothing better anywhere. Send in your name on a postal for mating list. It is now ready and gives a description of the best Campines in America.

MANHATTAN FARMS, GEO. E. NOETH, Owner
BRIGHTON, N. Y.



Poultrymen have confidence in the Globe Incubator because all the value—all the invested money—is put into the machine itself. Send 15c for our valuable descriptive book.

It Is Well Worth While to Consider "the Man Behind"

Before placing your order for an incubator or brooder, it will pay you to get acquainted with the manufacturer. Make sure that you can place your entire confidence in him and his machines. There are too many "dry goods boxes" with cheap tin heating arrangements sold now days for incubators and they are made by people who know very little about the chicken business, artificial incubation and its requirements. They are sold exclusively by "Hurrah advertising" and the manufacturer doesn't care if he ever hears from the customer again.

The Globe Incubators and Brooders

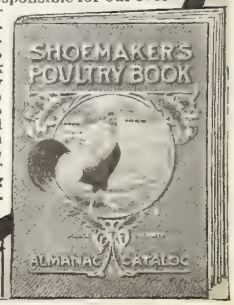
are the best machines on the market and we can prove it.

The most modern machinery and the most skillful workmen that can be found enter into the construction of the Globe Incubator and Brooder, and no machines leave the factory until they pass the most rigid examination, and the great hatches which our customers obtain are the results of our twenty-five years of experience in breeding thoroughbred poultry and making incubators and brooders.

We sell more thoroughbred chickens than any two of the leading advertisers in this country

In order to raise this great number of fowls which we annually sell, it became necessary for us to invent our own machine, one that would do the work and could be relied upon for we had tried all the leading machines manufactured before inventing the Globe Incubator and Brooder. The remarkable improvements which we are adding each year make the Globe the best artificial hatcher on the market today.

WE HAVE SOLD THOUSANDS OF THEM. Such satisfactory results have been obtained from our machines that we have thousands of unsolicited testimonial letters on file open for your inspection. **We have been doing business for over a quarter of a century** and have outlived nearly all the old advertisers. Square dealing and satisfaction to the buyer have been responsible for our ever increasing trade. We want to tell you more about our great factory, our mammoth poultry plant, and our methods of doing business. We have just issued our annual poultry book and guide which has cost us thousands of dollars to produce. It is not a catalog exclusively, but as a text book on poultry breeding in all its branches it is superior to any book issued. It tells about our great poultry farm where we raise and handle thousands of high-grade birds that go to every part of the world each year. But come for yourself and see—we have the goods. Write to any bank or express company in Freeport and they will verify every statement which we have made here. Be sure and send for this book today. Send 15c to cover postage, etc., and if you think that the information on poultry keeping alone, in the book is not worth the money we will cheerfully refund it to you.



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FREEPORT Box 605 ILLINOIS

Don't Forget—The above is the only Incubator manufactured in Freeport, Ill. at the present time.

$50 in Cash Prizes for 1914 Chick Growers. See Page 653

Harold Tompkins' Rhode Island Reds

BOTH COMBS

Leading winners at the Annual Red Club Meeting at New Haven, Conn. this season. Also winners at Madison Square and Boston Shows, 1913-1914.

When you want the best breeding blood in stock or eggs write always to

HAROLD TOMPKINS CONCORD, MASS.

LOOK

BUFF BLACK WHITE **ORPINGTON POUND CHICKS**



at prices no higher than others ask for **Eggs** of the same or poorer quality. Our pound chick proposition will revolutionize the poultry fancy. You take no risk. A pound chick is a different thing from a day old chick or an egg. Here you get certainty. Chicks out of **Danger.** Yes we have day old chicks and eggs too, and at prices that are just. You pay for no full page ads here. Remember that we can supply a **Few** very choice Rocks, Reds, Anconas, Wyandottes, Minorcas and Campines in pound chicks, day olds or eggs, and our catalog is free for two stamps, or make it 10c and get big colored plate of pair of Buff Orpingtons—our kind (That won championship of AMERICA) and the **Orpington Magazine, 1 year.**

Cheviot Farms, R. 2, Cincinnati, Ohio

NOT JUST FOWLS

BUT

Guaranteed Chickens

SOME OF THE WORLD'S BEST

S. C. Rhode Island Reds

"Red Raven Strain"



When shows are held in New York, Boston and Chicago, our birds are in the lead, whenever it comes to carrying away ribbons. In fact when better birds are bred we will breed them. We guarantee our stock, write for prices. Eggs $3, $5 and $10 per setting. They come from the same nests that we hatch our winners from. Write for Catalogue.

BRIDGEWATER POULTRY FARM, Successors to J. G. Budde & Co.

LIBERTYVILLE, ILL. P. O. Address, Hawthorn Farm, Lake County, Ill.

HAWKINS' ROYAL·BLUE·BARRED·ROCKS

have for years produced the winners at the World's Greatest Shows, and my unparalleled record at the two leading exhibitions, east and west

NEW YORK and CHICAGO

MAKE MY ROYAL BLUE BARRED ROCKS THE

Champions of the East and West

NEW YORK, 1912
6 out of 8 prizes on ckls. including 1st and sweepstakes best cockerel in show. **A world's record.**

CHICAGO, 1912
Four 1sts, sweepstakes, championship for best display Barred Rocks, 400 birds in competition.

CHICAGO, 1913
Six 1sts, sweepstakes for best display, every special offered on this variety—250 birds competing.

I sell eggs from the World's best matings at $10 per 15, $18 per 30, $25 per 40, $50 per 100. 2000 exhibition and breeding birds for sale. Finely illustrated catalog of the champions FREE.



FREE CATALOG

A.C.HAWKINS

LOCK BOX 25 LANCASTER·MASS.

BLACK ORPINGTONS BRED-TO-LAY AND WIN. The big, blocky kind. Write for mating list.
SYLVESTER THOS. McCABE 535 W. 4th Avenue COLUMBUS, OHIO

EGGS Bowden's White Wyandottes CHICKS

Write for **Large Illustrated Mating List** giving prices of eggs, day-old chicks and two-month-old chicks from eight of the finest pens that are in one breeder's yards this season. Headed by Boston, Cleveland, Ohio State Fair, Indiana State Fair and Ohio State Show winners.
EGGS—$5-15; $9-30; $14-50; $24-100. SHERMAN BOWDEN, Life Mem. A.P.A., State Secy. N. W. Wynd. Club, Mansfield, Ohio

Green Ridge White Orpingtons

Cook Strain, Win at Pittsburgh Fanciers' Show, February, 1914—Championship special for best display, cock 1st, pullet 1st, hen 3rd and 4th, cockerel 1st and 2nd, pen 1st, on eight entries. Eggs and Stock for sale. Write us your wants.
Green Ridge Poultry Farms, Inc. -:- Green Ridge, Maryland

YOU (Whoever You Are) CAN MAKE MORE MONEY FROM FISHEL'S EGGS FOR HATCHING!

HOW?—you ask. AND WHY?

The quality of the birds determines the quality of the eggs. Eggs from flocks of **such uniform excellence** as Fishel's White Wyandottes will produce poultry that is a credit to anyone—and that are **profitable** besides. No uncertainty about Fishel's eggs—they **are** right—they **must be** right.

Fishel's Eggs May Not Be the Cheapest to Buy, but They Are the Cheapest to Use for Hatching

You can buy eggs for less **money**—for a smaller sum **on the start**—but, what about the "wind up"? What about **results?** There's where you appreciate the quality you have purchased when you buy Fishel eggs.

When you pay $10 for a setting of 15 (from our best breeding pens) we say: "This man wants 15 eggs—he has paid us sixty-seven cents **each** for them—and we want him to get **at least one dollar in value for every single egg."** Not only that, but we see that he **gets it.**

And, if you buy eggs from our fine flocks of free range White Wyandottes, for $10 per 100, we give you **more for the money** than you can get anywhere else. How can we do it? From a lifetime of experimenting—of perfecting—of selecting—mating—and selling. From our experience with Poultry and Prospects, we know **what** the fowls must be—and **what** the prospect must have.

We've Told You About White Wyandottes. So many of them, that we **know** you haven't been able to remember all of them. But if you want more evidence—more proof—**before** you buy send for our catalogue. If you want your eggs **on time**—"when you want them"—then order direct from this ad. It would be unfair to put your order ahead of those we received ten days ago—and we can't do it. First come, first served.

J. C. FISHEL & SON, Box J, HOPE, IND.

Moore's S. C. White Leghorns

Win at Greater Buffalo Show, Thanksgiving Week, 1913, Buffalo, N. Y., Cocks 1, 5; Hens 2, 3, 4; **Cockerels** 1, 4; Pullets 2, 5; Pens 1, 2; **$25 Special** for best **Display** and numerous other gold specials. **Eggs, Stock** and **Day-Old Chicks** for sale. Send for mating list. When writing mention American Poultry Journal.

MOORE BROS., **Moscow, Livingston Co., New York**

Don't Wait Another Day

Start a Reliance Working for You This Week

By special arrangement with the publishers of

American Poultry Journal

we are granted permission to print our Order Blank in this advertisement so that everybody can get one of our famous Incubators, Brooders, Sprouters without a day's delay or unnecessary correspondence. For instance, send us

$5.75 enclosed with order and we ship you immediately our 150-egg **Reliance** Incubator, backed by our Special Guarantee. No waits, no trouble or letter writing.



Guaranteed
To Hatch as Many Chicks as any $15 or $20 Machine

Fully Equipped
No Extras to Buy

1914 Reliance Incubator

Nothing like this has ever been offered before. We are the first manufacturers to print an order blank in a publication and bind ourselves, in the order, to make good our claims or refund money as per our guarantee. Read our Four Big Bargains. Take your choice of No. 1, 2, 3 or 4. See how much you can save. And, remember, when you get a **Reliance,** you get an incubator that lives up to the manufacturers' guarantee. **It practically runs itself; it requires very little oil for a big hatch and it hatches every hatchable egg put on the egg tray.**

The **Reliance** is a new model—**a 1914 machine**—and because of its perfect construction and improved regulator system, it is sure to become the hatching sensation of the year. You or any one can be sure of success with it. Even beginners can get best results—even to **100 per cent hatches**—by merely following the **simple directions** sent with each machine.

The **Reliance** is guaranteed to make chicken-raising pay big profits. No losses, no repair bills, no extras to buy, no waste of oil. Better order yours—incubator and brooder—right now from this ad.

The 1914 **Reliance** is made of best lumber. Side walls and top are made of three thicknesses—cold can't get in, heat can't get out. Equipped with best regulator, thermometer, egg tester, lamp, egg trays. Beautiful finish, handsome steel legs.

Full description, circular matter, incubator and hatching facts sent free on postal request or with order.

4 Big Bargains

Bargain No. 1
70-Egg Incubator Guaranteed **$3.90**

Bargain No. 2
150-Egg Incubator Guaranteed **$5.75**

Bargain No. 3
70-Egg Incubator $3.90
70-Chick Brooder 3.00
Total - - $6.90
Both for Only $6.50

Bargain No. 4
150-Egg Incubator $5.75
150-Chick Brooder 3.00
Total - - $8.75
Both for Only $8.25

You can't go wrong buying a **Reliance**—either size, or in combination with brooder. Our guarantee protects your purchase.

Better order your incubator or brooder—or both—right now from this ad. You'll never get any other such offer. Use order blank below and save time and make money.



Big Bargains in Reliance Grain Sprouters

Biggest money-maker for poultrymen since the invention of the modern incubator.

Reliance Sprouted Oats will **cut feed bill in half; will keep hens laying all winter** and **increase egg yield over 50 per cent; will make and keep fowls healthy, sturdy and promote their growth.**

Order direct from ad on guarantee of satisfaction or money back. Safe delivery guaranteed. Sprouter comes to you ready for use. Order to-day.

Prices of Sprouter

No. 1, for 25 to 40 hens, **$ 5.00**
No. 2, for 75 to 100 hens, **7.00**
No. 3, for 150 to 200 hens, **8.50**
No. 4, for 200 to 350 hens, **11.50**



Here's Your Order Blank. Use It.

Directions and Money-Making Literature Sent Free

with each machine. Safe delivery guaranteed. Machines come fully equipped—**NO EXTRAS TO BUY.** Machines come ready for use—**NOT KNOCKED DOWN.**

Order direct from ad and start an early hatch, but if you want particulars first, write and we'll send more proof of **Reliance** superiority.

Orders filled same day received. Address

Reliance Incubator Co.
Manufacturers of Incubators, Brooders, Grain Sprouters
Dept. A5 , Freeport, Ill.

SPECIAL ORDER BLANK

RELIANCE INCUBATOR CO., DEPT. A5 , FREEPORT, ILL.

Gentlemen: Please find enclosed $_____

for which please ship by _____

the article as checked below.

It is a condition of this order that the Incubator, Brooder or Sprouter I buy of you, give me perfect satisfaction and live up to your claims or you'll make good by replacement or refund the full purchase price.

☐ 1 **70-Egg Incubator (Guaranteed) $3.90** ☐ 2 **150-Egg Incubator (Guaranteed) $5.75** ☐ **No. _____ Grain Sprouter**

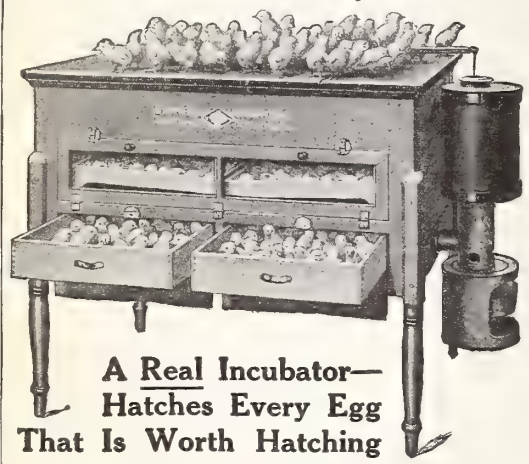
☐ 3 **70-Egg Incubator and 70-Chick Brooder (Combination Price) $6.50** ☐ 4 **150-Egg Incubator and 150-Chick Brooder (Combination Price) $8.25**

Name _____

Town _____ Shipping Station _____ State _____

April and May Chicks Are The Best

READER, the hatching and brooding season ***is late*** this spring—fully a month late! This is true because of the extreme cold weather in February—a condition ***that lasted*** well into the month of March. The hens felt the cold, stormy weather and ***shut off*** much of the egg supply.



A Real Incubator—Hatches Every Egg That Is Worth Hatching

AS A GENERAL RESULT the great bulk of chicks this year will be hatched DURING THE MONTH OF MAY. Of this there can be no doubt. Furthermore, taking the country as a whole, May is by far the ***best month*** in which to ***hatch chicks*** and start them on life's journey. The ***weather*** then is favorable, the ***ground is dry*** and healthful, "the green is in the grass," as the saying is, and May-hatched chicks every spring ***do much better,*** as a rule, than do those brought out of the shell at any other time of the year.

THEREFORE IT IS NOT TOO LATE for you to get that incubator you were figuring on, ***provided*** you can get it delivered to you promptly! And just here ***we can help you***—can serve you well. We conduct SIX PLACES OF BUSINESS—six stores and warehouses—in the United States and ***now have in stock*** at each of these places a large and ***complete line*** of Cyphers Incubators, Cyphers Brooders, Cyphers Portable and Adaptable Hovers— and WE GUARANTEE to fill your orders the same day we receive them, or the next day following, at any one of these six places of business. Do not lose ***an entire year*** by waiting until next spring, but write, ***telegraph*** or telephone your RUSH ORDER ***today,*** to our place of business nearest you as given herewith. Do not wait—ACT NOW.

Every Hatch a Profitable One

Fowler, Vt., August 9, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

As a customer of yours, I believe you will be ***glad to learn of my success*** in the poultry business the past season. I sold my chickens this year when they were a day old.

I now have one No. 1 Standard Cyphers Incubator and one of your No. 3 machines and ***have had splendid hatches*** from them first to last, as the following record will show:

No. 1 Incubator:			*No. 3 Incubator:*		
	Fertile Eggs	Chicks Hatched		Fertile Eggs	Chicks Hatched
April 3	132	123	April 8	287	273
" 26	128	121	May 1	319	302
May 19	138	132	" 24	370	354
June 10	128	124	June 17	368	361
July 4	132	128	July 10	350	342
" 27	135	122	Aug. 2	365	353
Aug. 18	136	131			

In addition to excellent hatches obtained with these machines, I had ***strong, vigorous chicks in every hatch.*** Have found Cyphers Incubators easy to operate, self-regulating and automatic as regards moisture and ventilation.

Besides selling day-old chicks, ***have raised a fine lot for myself.*** I bought four of your outdoor brooders and have used them with fine results. Have ***also used*** your Scratching Food, Growing Mash and Chick Food. Your brand of chick food is ***the best and sweetest*** of all chick foods I have ever tried.

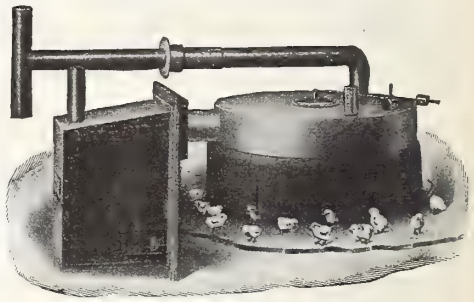
I am recommending your incubators, brooders and foods ***to my friends and neighbors.*** You certainly have treated me fairly in all business matters.

Sincerely yours,
WM. E. MILLS.

Immediate Shipments Guaranteed

Thanks to our Big New Factory, we now have complete stocks of *Incubators, Brooders, Hovers* and all other important appliances at *every one* of our SIX PLACES OF BUSINESS and hereby *guarantee* to fill your orders within 24 to 36 hours after they are received.

Telegraph, telephone or mail your order to us, say "rush" if you are in a *special hurry* and we will fill it from Buffalo, Boston, New York, Chicago, Kansas City or Oakland, either the same day we get it or the *next day,* WITHOUT FAIL. Lose no time—take no chances.



Cyphers Adaptable Hover

Fire-proof, Wind-proof, Insurable, Self-regulating and Automatic in Ventilation. Best Device in World's Markets for Use in Home-made Brooder Cases, Colony Coops, Roosting Coops and Portable Houses. Price, Complete, Safely Boxed for Shipment, $8.50 free on board cars at all our Places of Business, except Oakland and London. Oakland F. O. B. price, $9.50. Entirely safe to order sample from this advertisement. Send order to place of business nearest you, thus saving time and most of freight or express charges.

Cyphers Adaptable Hovers are Fire-proof and Insurable

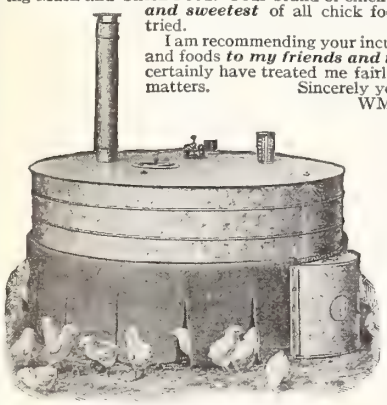
7646 Bond Ave., Chicago, Ill., August 4, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

We are now using your Incubators, Adaptable Hovers, etc.—***and are glad of it.*** We started last year with a cheaper equipment, both in incubators and brooders, trying several different makes—all of which ***have been sold or are now for sale.***

We make ***our own brooder cases*** in which to install your Adaptable Hovers, patterning our cases after your Style B Brooders as advised to do in your free booklet, "Best Methods of Brooding." We put about 75 chicks in each hover and ***leave them there six weeks,*** when they are put in colony houses. We would not again use a type of brooding hover that is not fireproof. ***No more of the cheap and dangerous kind for us.*** They are death to the chicks and liable to burn up everything in sight. We are pleased to give our experience, so that other poultrymen will not repeat our mistakes.

E. M. CASKEY.



Cyphers Portable Hover

Set it down Anywhere Indoors and you will have a Safe and Comfortable Place for the Little Chicks. "Movable" at a moment's Notice without even turning down the Lamp Flame. Weighs 35 lbs. in use. Price, Complete, Safely Boxed, $8.50 free on cars at all our Places of Business, except Oakland and London. Oakland F. O. B. price, $9.50. Entirely safe to order a sample from this advertisement. Weighs 40 lbs. by express.

Please Read Every Word of This Report

Asheville, N. Y., August 4, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

Your Portable Hovers ***gave us wonderful results*** and have proved most satisfactory.

During the season of 1912 my chick loss, previous to the end of the third week, was disheartening. This year, thanks to your Portable Hovers, ***the loss was almost nothing.***

Better still, the chicks are ***far hardier*** than those of the same stock in 1912 and I can assign no other reason, after careful investigation, than the benefits derived from the ***patented regulator*** which forms a part of these Portable Hovers and insures a uniform temperature, together with the ***automatic ventilation*** which gives a continuous supply of fresh air to the chicks. This past season we ***had no leg weakness***—something that gave us much trouble the year before.

I truly believe ***that your Portable Hovers*** are the very best on the market. I have tried others that were claimed to be "just as good," ***but they were not.*** Your Balanced-Ration Poultry Foods far exceed ***in quality and results*** the other brands we have tried.

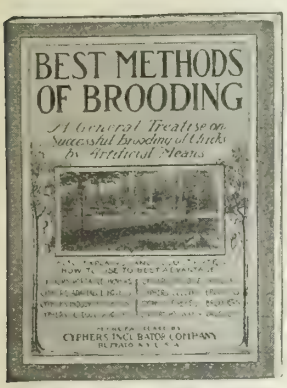
E. W. GAGE, Prop.,
Chautauqua Lake Farms.

FIRE INSURANCE LABEL!

Remember that every Cyphers Incubator has been passed on by expert engineers, representing the National Board of Fire Underwriters and that each and every machine bears the brass "Inspected Incubator" label. The label talks! Other manufacturers may *claim* that their incubators are fireproof, and have been *approved*, but the Official Label is what counts. Without it their claims are simply "hot-air." Do not be misled.

Proper Brooding and Correct Feeding

PLEASE think this over—Don't Duplicate Work! That is a "success secret" in ***any*** business. Don't ***do over again*** what someone else has already done ***for you.*** In brief, don't invest or waste ***your*** time and money in ***needless*** experimenting in poultry raising for greatest profit, when the Cyphers Company ***already*** has blazed the trail for you—has ***found*** the way to ***surest*** and quickest success.

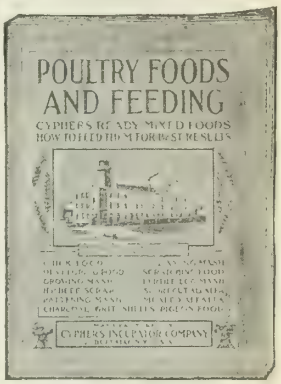


Cyphers Company's Latest New Free Book. Most Complete Treatise to Date on This Vitally Important Subject. Goes Into Every Detail From Time Chicks are Taken From Incubator Till They are Placed on Range. Book of 52 Pages, 7⅛ x 10 Inches in Size. Well Illustrated. Mailed FREE on Request to Any Address.

For this ***very purpose*** our company owns and operates a $75,000 Experiment and Demonstration Poultry Farm. Results are here ***recorded;*** the most modern, most successful methods are ***proved up*** and then passed along to Cyphers owners—to Cyphers customers—through Cyphers Company's free booklets, free Service Bulletins and our As-Often-As-You-Need-It Personal-Letter Service.

Cyphers Company methods are ***established*** and ***successful;*** they enable you to cut out ***all money*** for wasteful experimenting; they enable you to ***avoid losses;*** to go straight ahead, surely and safely, ***with the best results.*** Our own ***proved*** success, ***combined*** with that of many thousands of customers, is YOURS when you adopt Cyphers Company methods and use CYPHERS STANDARD POULTRY EQUIPMENT.

If you have not already received them, ***write now*** for the THREE GREAT FREE BOOKS ***published*** by the Cyphers Company for distribution to every man and woman who is interested in profitable poultry raising and increased egg-production. Have YOU received these books? If not, write us today—***right now,*** and we will send ***all three*** postpaid, without obligation. These three valuable books are pictured and described herewith.



This Book Would be Cheap at $5.00 Per Copy, Judged by Actual, Detailed Value of Contents. Tells How To Produce Broilers, Fryers, Roasting Chickens and Capons; Also Exactly How to Feed the Layers and Breeders. 52 Pages, 7⅛ x 10 Inches. One FREE COPY on Request to Any Address.

CYPHERS FOODS AND METHODS

"Chicks Began to Grow About Twice as Fast"

New Castle, Ind., August 24, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

At the beginning of the season I tried out a chick food which I thought was alright, but my chicks would eat only about half of it, leaving the balance. There seemed to be something in the food that they did not care for. One day I was telling a poultry friend about my experience and he advised me to try your Cyphers Balanced-Ration Poultry Foods. I did so immediately. What was the result? The chicks ***cleaned up every particle*** of your Cyphers Chick Food and in a week they ***began to grow about twice as fast.*** I have found Cyphers Poultry Foods to be always ***pure, free from dirt and chaff*** or any kind of ***waste material*** that is to be found in most brands of prepared poultry foods. Have received several of your Cyphers Company Service Bulletins and think they are fine. They contain much valuable information.

H. M. SPANNUTH.

"Am Free to Attribute My Success"

Oxford, Pa., July 17, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

My chicks thrive better on your Dry-Grain, Balanced-Ration Chick Food than on any other ration I have ever used. I find that your foods contain nothing but ***clean, pure, sweet grains*** that the chicks eat up quickly, which has not been the rule with other brands of foods that I have used. I use Chick Food for the first four to six weeks, and thereafter change over to Developing Food. ***Have lost very few chicks this season.*** Your Chick Food has been fed in deep litter consisting mostly of Short-Cut Alfalfa. ***Am free to attribute my success*** to this method of feeding and to the superior quality of your poultry foods. All of your supplies have proved to be superior products and are sure to give entire satisfaction if used as directed, with common sense and good judgment. I also have been treated with most careful consideration when buying goods or asking for general information.

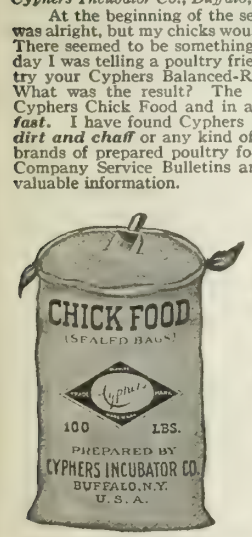
W. I. SCHNEE.

"Must Give Your Foods a Large Part of Credit"

Coweta, Okla., July 17, 1913.

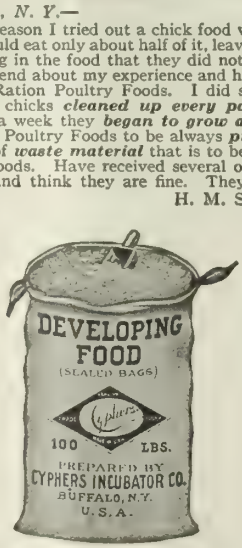
Cyphers Incubator Co., Buffalo, N. Y.—

I have tried out several makes of incubators, brooders and poultry foods, but the Cyphers line of goods has given us more good value than any other we have ever used. This year I have had wonderful hatches in my Cyphers Incubators and have successfully brooded them. I must give your Balanced-Ration Poultry Foods a large part of the credit for my fine flock of fowls. Your foods possess the ***right combination of grains to produce bone, muscle and feathers.*** I followed your plan of "deep litter" feeding, and must say I never saw such ***rapid growth*** and birds so full of ***life and vim.*** It is a great pleasure to watch the little rascals scratching for the Cyphers Foods. Yours truly, H. B. EGAN.



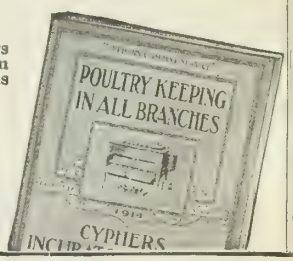
Cyphers Company's Chick Food

This 100-Lb. Bag will feed 100 Newly-Hatched Chicks Four Weeks, or 50 Chicks Six to Seven Weeks. Price $2.50 F. O. B. Buffalo, Boston, New York City, Chicago and Kansas City. Price F. O. B. Oakland, $3.00.



Cyphers Company's Developing Food

This is a Medium-Granulated, Five-Grain Balanced Ration that we Advise our Customers to Feed to Growing Chicks Between the Ages of Six to Twelve Weeks, Before They are Given Whole Grain.



Big Free Catalogue

If you have not received our 1914 Complete Catalogue (244 pages, 7½x10 inches in size) cut out the coupon herewith and mail same today to our place of business nearest you. Do this, ***or write us a letter,*** stating just what you need in our line—for quick shipment. Address place of business nearest you.

FREE "Poultry Guide" Coupon

Cyphers Incubator Company, Dept. 30.

Gentlemen:—Kindly send me, postpaid, your 1914 poultry guide and complete catalogue entitled, "Poultry Keeping In All Branches," also facts how I can secure without charge the full benefits of Cyphers Company's Free Bulletin and Personal-Letter Service.

My Name.....

My Address.....

.....

CYPHERS INCUBATOR COMPANY

Department 30, Buffalo, N. Y.

Branch Stores and Warehouses: NEW YORK, N. Y., 41 Barclay St. BOSTON, MASS., 12-14 Canal St. CHICAGO, ILL., 329-331 Plymouth Ct. KANSAS CITY, MO., 317-319 Southwest Blvd OAKLAND, CAL., 2127-2131 Broadway LONDON, ENG., 121-123 Finsbury Pavement



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

55 Out of a Possible 76 Firsts

At Madison Square Garden, New York, Boston, Pittsburgh, Greater New York Fair and Exposition and Memphis This Year Were Awarded

OWEN FARMS'

BUFF ORPINGTONS
WHITE ORPINGTONS
WHITE PLYMOUTH ROCKS
WHITE WYANDOTTES and
S. C. RHODE ISLAND REDS

Several other **Firsts** went on birds of **Owen Farms' Strains.**

This wonderful percentage of **Firsts** at **America's Leading Shows** is merely a repetition of past years, and **Owen Farms' Records** at the shows where **real competition** is found stand alone and unequaled.

OUR CUSTOMERS ARE TODAY OUR LEADING COMPETITORS
AND WE ARE GLAD TO SHARE THE HONORS WITH THEM

Every variety line bred for from nine to twenty years and no strains of recent origin can possibly have the producing value of the established flocks on Owen Farms. Weigh carefully every statement you read and comparison will show you the pre-eminence of my flocks.

You may win without these bloodlines, but you will find it practically impossible if your competitor meets you with Owen Farms Birds.

AS UTILITY BIRDS

These flocks each year have proven their exceptional merit. Wonderful reports of high average egg yields come in from customers. One customer has reported 262 eggs laid in 290 consecutive days by a pullet bought of us, and many other reports are almost as good. My flocks have perfect health, size, bone, substance and bodies with tremendous egg capacity. **Treat them well and they will do the rest.**

1914 MATINGS

Of all varieties are the best ever made on Owen Farms. My customers for **eggs for hatching** or **baby chicks** will receive remarkable value this year, as eggs and baby chicks have never been sold from birds of equal quality at prices approaching those I am making for 1914. **Early booking insures delivery at exact time you want them.**

REMEMBER! More prize winners are produced each year from the middle of April to the middle of June than during all the other months combined.

Eggs from Best Matings in the World	Eggs from Choice Matings
All Varieties.	Better than most sold at higher prices.
$10.00 for 15. $30.00 for 50.	All Varieties.
$50.00 for 100.	$5.00 for 15. $15.00 for 50.
	$25.00 for 100.
Baby Chicks from these Matings	**Baby Chicks from these Matings**
$1.50 each in lots of 20 or more at one time.	50c each in lots of 20 or more at one time.

EGGS HALF PRICE AFTER MAY 5TH

My **Illustrated Catalogue** gives the History of the wonderful Owen Farms and the Owen Farms' flocks.

My 1914 **Mating List** describes the **Finest Matings in Existence** of my varieties.

A few grand Breeding Pens for Utility or Exhibition Breeding at prices you will gladly pay. State your exact requirements in your inquiry and, if possible, how much you wish to invest.

I want your order, and **Remember,** your **Absolute, Ultimate Satisfaction** means my **Permanent Success.**

OWEN FARMS

107 William Street, Vineyard Haven, Mass.

MAURICE F. DELANO, Proprietor **FRANK H. DAVEY, Superintendent**

"U. R. Fishel More Than Pleases His Customers"

Ark., Oct. 23, 1913.

Dear Mr. Fishel: I suppose you will remember the birds you sent me last February. I sent four pullets and two cockerels to Ft. Smith a few days ago and won first and second cockerel, first and second pullet and first pen. Think this was doing fine. Yours very truly, A. W. Bevers.

Mich., Oct. 14, 1913.

Dear Sir: I exhibited the White Rocks at the local County Fair and they received all the prizes.

I bought a $50.00 pen from.....and the Rocks from you in my mind are better birds; if I had purchased this pen from you last fall I would give $100; for I have wasted the summer on inferior birds and know now, that I made a mistake. Yours very truly, Wm. L. Morrison.

Ill., Dec. 5, 1913.

My Dear Mr. Fishel: Perhaps you will remember that a year ago last month I visited your farm and purchased three pens of selected breeders for $100. From these matings I hatched 400 chicks and succeeded in raising 325 of them.

Last week I exhibited fifteen birds at our local county show and besides three firsts, three seconds, three thirds and two fourths, I captured the Greene County Cup for the best pen in the American Class.

Yours sincerely, R. A. Pritchett.

Texas, March 11, 1913.

Dear Sir: I am writing you to let you know how I came out at Fort Worth. I won first cockerel, first pullet, third pullet, second pen and special for best male and female in the White Plymouth Rock class and there were eighty of them.

I am certainly pleased with them and you may count on an order from me next fall for one cockerel, one hen, one pullet and one cock.

I want to tell you of one fellow who had sixteen Rocks entered. I asked him what strain they were and he told me they were his own and that they had never been defeated. I had only six entered, got two firsts, one second, one third and two specials and he didn't get a place.

Yours truly, Sam. W. Smith.

Capital Poultry Farm, Okla.

Dear Sir: When I bought this farm the party I bought it from said that the White Plymouth Rocks on the place were hatched from eggs bought from you. I hatched some of the finest birds from them this spring that there is anywhere in this state. I entered them at Oklahoma State Fair and took first cockerel, first, second, and third pullet.

I had intended raising only White Leghorns and as the White Rocks have done so well for me I have decided to keep up the Fishel Strain of White Rocks.

Respectfully, W. S. Clark.

Texas, Nov. 29, 1913.

Dear Mr. Fishel: This letter is to thank you for selecting such a good cockerel. He is well worth the money we paid for him. He and four of my January pullets won sweepstake prize at our Poultry Show and several other prizes.

Respectfully yours, C. G. Pitts.

Mass., Oct. 12, 1913.

Dear Sir: I received the cockerel you sent me in fine shape, and was very well pleased with him. I showed him the next week and won the blue ribbon, in fact I won first on every White Rock I showed. I cannot speak too highly of the Rocks that come from Fishelton. I shall place more orders with you later.

Yours truly, Alfred E. Nye.

La., Oct. 10, 1913.

This is what I just did at our County Fair with your strain of White Rocks: First and champion hen, first and champion pen, eight pens in competition, first and second cockerel, first and second and champion pullet, 42 pullets in competition. No cock entered.

Yours truly, J. H. Belanger.

Mass., Oct. 10, 1913.

Dear Sir: Just a few words to let you know of my success with your White Rocks. I received the five pullets and cockerel March 24 and I began March 28 to save the eggs for setting. All told I set 124 eggs and hatched out 105 chickens and I raised 96 to maturity which is wonderful in mind of the fact that I began to save so soon after arrival of pullets, and so on until I hatched 105 chickens. From March 28 to May 28 the five pullets laid a total of 167 eggs and during that time three of the pullets set and brought out a batch of chickens so I think they did extra fine.

Respectfully yours, C. O. Smith.

Ala., Oct. 24, 1913.

Dear Mr. Fishel: I made a clean sweep at the Fair, three exhibitors in White Rocks, beside myself. I was offered $50.00 for hen that I had on exhibition—she is certainly very nearly perfect. I raised her from select setting of eggs bought of you. I like the hens you shipped very well.

The judge at our show seemed carried with my exhibit of White Rocks.

Yours very truly, Jesse C. Maxwell.

Pa., August 4, 1913.

Dear Sir: In February, of 1912, I sent to you for a two-year-old cock bird, which I received all O. K. and was more than pleased with him. In the fall of the same year I exhibited four pullets and one cockerel, bred from him, at the Fair. I won first prize on cockerel, first, second and third pullet, which made a lot of good advertising for me. Yours truly, F. R. Allison.

See my ad on Page 700 this issue

RED SUSSEX FARMS

Importers and Distributers of

England's Best Red Sussex

CHAMPION STRAIN

Winners of more Regular Premiums, Silver Cups and Specials at The Crystal Palace and Dairy Shows in the Strongest Competition than all other strains combined.

SILVER CUP GIVEN

to customers winning first cockerel and pullet at shows of 600 or more entries. (Only one cup to the customer.)

Pen "A". Headed by cockerel RED PRINCE. The most wonderful colored Red Sussex in America. One even shade of wine color. Five point comb, great wing, sound green-black tail, white shanks.

Pen "B". Headed by cockerel RED CHAMPION. Ideal in type and head points. One even shade of rich dark red from head to his sound green-black tail; shanks white.

Pen "C". Headed by cockerel DAIRY KING, the most wonderful type and colored Red Sussex ever produced. Absolutely sound in wing and tail. Head points ideal, shanks white.

Pen "D". Headed by cockerel PALACE BOY, a marvel in type, color and size. The counterpart of Red Champion. Very red and will produce great pullets.

Pen "E". Headed by cock RED KING, another wonderful bird in even dark red from head to tail. Very long in back, grand head points and stout white shanks.

Pen "F". Headed by cock RED WOODROW. Very dark wine color. A typical Red Sussex all over, and all the time a great sire of winners. Fine head points and white shanks. RED WOODROW and RED KING are without question the finest Red Sussex cocks in America, and show that Red Sussex males molt Red.

These great males are mated to England's best females and will produce winners for any show in America. Eggs $15.00 per 15 straight. Order from this ad. and deposit $5.00 with order. Mating List. Satisfaction Guaranteed.

Red Sussex Farms, Marysville, Mich.

MYRON W. MILLS, Prop. H. H. COBURN, Mgr.

SWEEPSTAKE CHAMPIONS

WILLOWS FARM S. C. WHITE

LEGHORNS

"THE FROST WHITE STRAIN" ESTABLISHED AN ALMOST UNBEATABLE RECORD IN THE LARGEST AND STRONGEST CLASS EVER ENTERED AT

THE GREAT INDIANAPOLIS SHOW, FEB. 2-7, 1914

We won 5 out of 6 firsts; we entered 25 Leghorns—24 were prize-winners



BEAU BRUMMEL I

"The Greatest S. C. White Leghorn Sire in the Middle-West"

First Prize Pen Cockerel, New York, 1911. First Cock, Northern Indiana, 1912. Prize Old Pen, Chicago, December, 1913. First Old Pen, Indianapolis, 1914.

WE WON

Cocks, 1st, 2d—We had 2 entries
Hens, 1st, 4th—We had 2 entries
Ckls., 2d, 3d, 5th—We had 4 entries
Pullets, 1st, 2d—We had 2 entries
Old Pen, 1st—We had only 1 entry
Young Pen, 1st, 2d—We had 2 entries

SPECIAL for best cock
" " " male
" " " shaped male
" " " colored male
" " " headed male
" " " female in entire Leghorn class
" " " hen
" " " pullet
" " " shaped female
" " " colored female
" " " headed female

Princess Frost White, sired by Beau Brummel, established a world's record. She won 1st prize as pullet and **every special** in her class!!!

Jack Frost, sired by Beau Brummel, won 1st cock and **three specials.**

WHEREVER WE EXHIBIT WE ARE CERTAIN WINNERS

NEW YORK	CHICAGO	CHICAGO	INDIANAPOLIS
1911	1912	1913	1914

EGGS EGGS EGGS EGGS EGGS

8 pens headed by our very best Chicago and Indianapolis Prize-Winners, per sitting of 15, $5.00
8 pens headed by other Chicago and Indianapolis Prize-Winners, per sitting of 15 - - - $3.50
Eggs from our utility pens a matter of correspondence

Beautiful Catalog free for the asking. Write today.

THE WILLOWS FARM SOUTH BEND, IND.
Frank E. Hering, Prop. : Harmon Bradshaw, Mgr. LOCK BOX 488-B

Our Great =1914= Offer

BUSTED PRICES!!

BANG!!

WIRE & FENCING PRICES

ROOFING PRICES

LUMBER PRICES

BUILDING MATERIAL PRICES

Never again will such remarkably low prices exist. Don't delay—send your order at once. Act now.

ROOFING

Corrugated STEEL ROOFING

1¼c Per Square Foot

Here is the chance of a lifetime to buy the best roofing in the world, at a mere fraction of its real value. Our enormous buying power enabled us to pick up for spot cash a stock of this brand new, perfect corrugated, "V" crimped and Standing Seam Roofing and Brick Siding, at a tremendous sacrifice—way under what it is actually worth. Immediate cash needed made possible this purchase. Just another chapter added to the long list of our famous bargain sales.

Corrugated STEEL ROOFING

Practically Indestructible



There is nothing else that compares with corrugated steel roofing for real protection. It makes a long, lasting roof. Is fire, rain, frost, wind, sun and lightning proof—warmer in winter—cooler in summer; and under ordinary circumstances does not leak, rot or warp, neither does it taint rain water. You can depend upon it that Corrugated Steel is the best material for roofing, siding and ceiling.

At 1¼c per square foot, we furnish our grade CE-700 Steel Roofing, in sheets 22x24 inches x1¼ inches. This price is delivered on board cars at Chicago.

Galvanized STEEL ROOFING

2¾c Per Square Foot

Another big Steel Roofing Bargain. Several thousand squares of the very highest grade specially coated, corrugated, galvanized roofing and siding, made of specially prepared steel, of superior quality. Best roofing and will last indefinitely. We'll furnish it in suitable lengths for any purpose. Only a limited quantity on hand, so we urge you to send us your order immediately. Don't wait to write us again—order today, while this stock exists. Price only 2¾c per square foot, and will outlast 4 to 1. Just drop us a line, and tell us the size of your studding and general facts, and we will help you to select proper sheets. If you are not ready to use the material now, we will reserve it for future delivery, if you will give us a small deposit on account. This price of 2¾c per square foot is for our Lot CE-800 corrugated material, and is delivered on board cars at Chicago. If you prefer some other style, we will furnish it. We have this same grade in "V" crimped, Standing Seam and Brick Siding. Samples on application.

Ready Roofing With Supplies

62c Per 108 Square Feet



We have several thousand squares of a superior quality Ready Roofing, which we are offering in our AJAX BRAND, 1-ply, at a price of 62c per square of 108 square feet, including necessary cement and caps to lay it. This is undoubtedly the most remarkable bargain ever offered in Ready Roofing. This famous brand is put up 3 or 4 pieces to a roll.

The price of 62c per square of 108 square feet is loaded on board cars at Chicago. We will, however, make a freight prepaid price on this same grade of roofing, including nails and necessary cement of 85c per roll of 108 square feet, and at this remarkably low price

We Pay the Freight

in full to any point east of Kansas and Nebraska and North of the Ohio River.

We will also furnish 2-ply, at 90c; 3-ply, at $1.05.

This Ajax Roofing is guaranteed to wear as long and give as good service as any Rubber Surface roofing on the market.

SEND FOR SPECIAL ROOFING CATALOG AND SAMPLES

Write at once for our Special Roofing Catalog. Free samples and full instructions for laying roofing.

Chicago House Wrecking Co.

Now operated under the name of Harris Bros. Company.

For 22 years the Chicago House Wrecking Company has been well and favorably known to the public. During all these years the four Harris Brothers have been the executive officers and owners, and for that reason have finally decided to operate under the name of HARRIS BROTHERS COMPANY.

There is no change in our business, except that in the future the four Harris Brothers will advertise and sell their goods heretofore advertised and sold under the name of Chicago House Wrecking Company, under the name of HARRIS BROTHERS COMPANY.

Our Guarantee

We guarantee absolute and complete satisfaction. There is no half way about this guarantee. Every purchase you make from us will be exactly as represented, and you will be satisfied in every way, or we will make such just amends as are within our power. We will take back any unsatisfactory article at our freight expense both ways and refund the purchase price. We refer as to our responsibility, to the publisher of this or any other publication, any bank or express company, and to the public at large.

LUMBER

Complete houses and barns at an enormous saving. Never before in the history of Building Material has such an opportunity existed. We offer high grade, brand new complete lumber and building material needed for the construction of houses and barns at lower prices than ever before.

20,000,000 Ft. of New Lumber at Our Yards and Warehouses ready for Quick Delivery

We have upwards of twenty million feet of first class, brand new lumber for the construction of buildings of every kind. A wonderful stock of the very finest millwork, interior trim, etc.—enough material to construct cities and villages everywhere. It is our determination that 1914 will be the "Banner" year in the history of our Great Lumber and Millwork department, and the way we will accomplish this, is by quoting prices that undersell any possible competition. The proof of this is in our catalog and literature.

Write today and tell us what you contemplate improving or building during this Spring—talk to us plainly, and we promise you the advice straight from the shoulder. No other concern in the world is equipped such as we are. Right in our main yard and warehouses, at Chicago, we can load you out complete, at one time, and in one carload, every single article required for the improvement of the building you have in mind. No where else can you go and get such service.

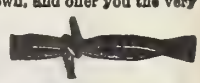
Personal Service To You

You can get the kind of service that will give you absolute satisfaction—satisfaction from the word "go." If you have ideas of your own as to the kind of building that you want, we will give you the benefit of the Greatest Architectural Department in the world. Will furnish you with plans according to your own ideas, and will quote you a price on the material that will make you a wonderful saving. Dollars saved are dollars earned.

Write today for our *Book of Plans* and Latest *Catalog of Building Material* and Supplies.

FENCING

Brand New WIRE FENCING Less Than 1 cent Per Running Foot



Biggest of all offers of the past. We come to you with the most wonderful proposition ever known, and offer you the very best woven wire fencing at a fraction of its real value; lower in price than ever before, notwithstanding that all other merchants and manufacturers have advanced their prices on fencing. We are determined to simply get all the business in sight, and with that in view, we bought up from manufacturer's sales, 150 carloads of High Grade Woven Wire Hog, Cattle, Field and Poultry Fencing, Barb Wire and Nails, in quantities sufficient to take care of our regular customers and those who will quickly respond to this advertisement.

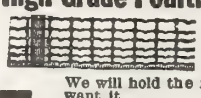
Barb Wire Less Than 2c Per Rod

Galvanized, two-point Barb-Wire, full weight (not the light kind) put up regular on spools, containing about 100 lbs. to a spool. It is made of No. 12½ wire, with good weight barbs. Price per 100 lbs. during this sale, only $1.95. Order by Lot No. CE-600. Several thousand spools of this Barb Wire, Painted, price per 100 lbs. $1.75. Order by Lot CE-500. Also have in stock 1000 spools of light weight, new galvanized barb wire, put up 80 rods to the spool, made of No. 14 galvanized wire No. 16 barbs, barbs 6 inches apart; price per spool of 80 rods $1.45. Lot CE-400. We also have several other bargains. You never had a chance like this before, and we advise that you send us your order today. Don't wait until the material is sold—we cannot hold this quotation open.

GALVANIZED HOG FENCING AT A MATERIAL REDUCTION IN PRICE

100,000 rods of 26 in. Galvanized Steel Spring Wire, 26 in. high, hog fence, put up in 10, 20, 40 and 60 rod rolls, made with 7 bars, spaced 12 in. apart, with No. 9 top and bottom wires, No. 11 intermediate wires, heavier than the regular fencing offered. Price per rod, during this sale, only 15c. Order by Lot CE-900. Same fencing spaced 6 in. apart, per rod during this sale, only 21c. Order by Lot CE-1000. Other heights at proportionately low prices.

High Grade Poultry Fencing 48 in. High PER ROD 27c



A complete stock of all heights of Woven Wire Fencing for every purpose. Do not delay your order, but send it in at once, even if you are not ready to have it shipped. We will hold the material ready to deliver when you want it.

Smooth Galvanized Wire $1.00 per 100 lbs.

Sold "as is," as near as possible one guage only to the coil. Our price of $1.00 per 100 lbs. is in lots of 1000 lbs. Where ordered in other quantities our price for gauges 9 to 12 per 100 lbs. $1.25. 16,17,18 gauges, $1.45.

SOME BIG BARGAINS IN NAILS

At last we have the bargain of bargains. 10,000 kegs of genuine galvanized wire nails; will outlast all other kinds. Put up in regular kegs. Price per keg of 100 lbs., as follows:—

10 pennyweight, $2.00 — 8 pennyweight, $2.10
6 pennyweight, $2.15 — Shingle Nails $3.00

Also 5,000 kegs of Nails, mixed all kinds in a keg; good assortment, handy to have around your workshop. During this sale only, per 100 lbs., $1.38. Order by Lot CE-1100. We have other bargains in nails.

Also, in the same job, we have 5,000 kegs of Fence Staples, galvanized, per keg, $2.00. Lot CE-1400.

Crimped wire for reinforcing, cut to any desired length; per 100 lbs., $2.00 Lot CE-1300.

We have bargains in every line. Write us today for our Wire and Fence Catalog, but the best thing for you to do is to send your order now, and we will hold for shipping instructions.

SEND IN THIS COUPON

HARRIS BROS. COMPANY,
35th and Iron Streets, Dept. CE 8 : Chicago

Without any obligation or promise to buy, please send me the following catalogs and full information free:

(Put a check mark opposite the books you want)

☐ Special Catalog and samples of Roofing.
☐ Catalog of Lumber and Building Materials.
☐ Book of House and Barn Plans.
☐ Catalog of fencing and wire.

Name.....

Address.....

County..... State.....

R. R..... P. O. Box.....

HARRIS BROTHERS CO., 35th & Iron Sts., Chicago

Above All—The Henderson Strain

AMERICA'S FOREMOST

Barred Plym. Rocks for Exhibition and Utility

Madison Square Garden, New York, Chicago and St. Louis Winners

This grand strain is large framed, with wonderful type, has long, deep bodies, broad backs, well spread tails carried low, and that snappy distinct barring to the skin, that wins in the best of competition.

My first prize cockerel and grand champion male at Chicago 1912 in a class of 54 of the best in the world proves that my strain carries the maximum of quality in Barred Rocks today. His type and barring created a sensation among Barred Rock breeders of the world. A number of his wonderful sons will head my 1914 breeding pens.

When you start to make up your breeding pens this year and find that deficiency which you desire to overcome, **remember that I have the strongest lines of breeding Barred Rocks in America**, and can furnish males and females with the quality desired to balance the pen and improve the progeny.

My **Barred Rocks** have won consistently at all the large national shows for the last 20 years in all competition as a result of being line bred and pedigreed. Compare my winnings with those of any other breeder and form your own conclusion as to who has the best producing strain.



First Prize Pullet Bred Cockerel, Coliseum, St. Louis, 1913

For the season of 1914 I will mate 50 breeding pens in both my **Cockerel** and **Pullet lines**, from which I will furnish eggs for hatching at prices quoted in my mating list and catalog which describes each individual specimen that I will have in breeding. These pens will contain my Madison Square Garden, N. Y., Chicago and St. Louis winners and their descendants. The inherent characteristic quality as bred in the **Henderson Strain** both in the Cockerel and Pullet lines, and demonstrated by their public record in the best show rooms in America enables me to mate for the season of 1914 the strongest breeding pens of **Barred Rocks** in the world.

Write for my new Catalog-Mating-List which minutely describes these pens and **the largest exclusive Barred Rock farm in the world.**

SATISFACTION GUARANTEED

W. W. HENDERSON, BRIDGETON, ST. LOUIS COUNTY, MISSOURI

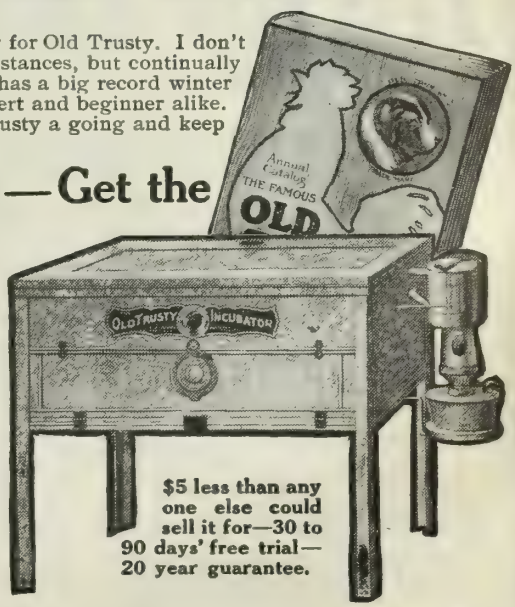
Big Hatches in Coldest Weather Come Easy with OLD TRUSTY



Winter hatching has always been an easy thing for Old Trusty. I don't mean for a year or two under favorable circumstances, but continually and everlastingly. As an average hatcher it has a big record winter or summer, north or south, in the hands of expert and beginner alike. Now is the time to get started. Get your Old Trusty a going and keep it on the job right through the winter.

Now Is the Time to Start—Get the Early Profits Next Spring

Old Trusty average is something over 80%. We guarantee it to be that much or better. We have made the guarantee for years and years, and know that Old Trusty can make good on it. I could show you sensational hatches, too, but I don't believe that's the thing that would interest you. What you want is the average, and that's where the Old Trusty has no equal. I might guarantee you 95% hatches, but I think too much of what you are going to think of me later.



$5 less than any one else could sell it for—30 to 90 days' free trial—20 year guarantee.

Old Trusty Book Tells All About It—

Let Me Mail a Copy FREE!

Get the plain facts on winter hatches. Why let the chickens be idle when they can be making good profits? The Johnson plan is worth getting. Mail a postal or letter for it today. If you order I'll prepay freight and ship machine the day the order arrives. Write for the book anyway. Address

Johnson, Incubator Man, Clay Center, Nebr.

U. R. FISHEL'S AD in this issue will interest you. Read it.

Madison Square Garden, Dec., 1913. 1-3 Pens; 1-2-4 Cocks; 2 Hen; 1-3-4 Cockerels; 1-4-5 Pullets.

Grand Display Champions

Boston, Mass., January, 1913. 1 Pen; 1-2 Cocks; 1-3 Hens; 1-2 Cockerels; 2-3 Pullets.

Woodcrest Partridge Wyandottes

Have won every male first prize for two successive seasons under seven of the best known judges in the world. Think this over and tell me—do you want the blood thus proven supreme in breeding birds and eggs for hatching?

CHAS. H. WOOD **Mutual Building** **Worcester, Massachusetts**

Eggs and Baby Chicks

Barred Plymouth Rocks

Our winnings at Chicago, Indianapolis, Memphis, Louisville, Knoxville, Nashville, prove our quality.

Tennessee State Fair, October 1913, 1st Pen, 2d Hen, 2d Pullet, 3d Hen, 3d Cockerel, 4th Hen, 4th Cock, 4th Cockerel, 4th Pullet, 5th Cockerel. *Silver Cup for Best Pen. National Conservation Exposition, Knoxville, Tenn., September 1913*, 1st Cockerel, 2d Pen, 3d Cock, 4th Cockerel, 4th Hen, 5th Pullet. *Indiana State Fair, Indianapolis, September 1912*, 1st Pullet, 1st Pen, 2d Cock, 3d Cockerel, 3d Cock, 3d Pullet. *Tri-State Fair, Memphis, Tenn., September 1912*, 1st Cockerel, 3d Pullet, 5th Cockerel, 5th Pen. *Louisville Poultry Show, Louisville, Ky., December 1912*, 3 firsts, 2 seconds, 4 thirds, 1 fourth, 2 fifths. Spegial for the best shaped female. *Two Silver Cups for the best Barred Plymouth Rocks. Chicago, Ill., December 1912.* 4th Pullet Bred Cockerel.

Eggs and Baby Chicks from Exhibition and Pedigree Matings

Buy eggs or baby chicks from us now and raise your *Exhibition and Breeding Birds* for this fall and winter. No one can furnish you the size and quality we can. *We are Specialists* in Barred Rocks, have bred them in line for twenty-three years, and when you think of *Best Barred Rocks* you naturally think of *POPE & POPE.*

Twenty grand matings for 1914. No utility matings. Our pens contain our winners of the *Chicago, Indianapolis, Memphis, Louisville, Knoxville, and Nashville Shows,* and when you buy eggs or baby chicks from these pens, you buy *the best there is in America today.*

Don't place order until you get our big catalogue and mating list. *You won't have to pay exorbitant prices when you send us order.* Write for catalogue No. 3.

POPE & POPE **Box A, Louisville, Ky.**



A Chicago Winner, Dec. 1912

HARVARD REDS WIN

At New York (Madison Square Garden) and at Boston

THE EASTERN TROPHY CUP

of the RHODE ISLAND RED CLUB OF AMERICA, the most coveted cup for best display of BOTH COMBS, the CHAMPIONSHIP CUP for BEST MALE OF EITHER COMB, and TWO OTHER BEST DISPLAY SPECIALS.

THIS GREAT WINNING at America's Two Premier Shows, which includes FIVE FIRST PRIZES, FOUR SECONDS, EIGHT SHAPE AND COLOR SPECIALS and TWENTY-FIVE OTHER RIBBONS

Definitely Establishes the UNITED BREEDERS' Claim of

"THE WORLD'S BEST RHODE ISLAND REDS"

HUNDREDS OF GOOD BREEDING BIRDS OF BOTH COMBS, $5 TO $15 EACH
BREEDERS WITH EXHIBITION QUALITY, $20 UP

WRITE AT ONCE FOR BOOKLET, "THE FIRST CO-OPERATIVE ORGANIZATION OF POULTRY FANCIERS"

LEARN How we RE-PURCHASE anything originating with us, WHEN YOU NO LONGER WANT IT; How we sell EGGS FOR HATCHING and INSURE YOU AGAINST DISAPPOINTMENT OR LOSS. MATING LIST NOW READY. BABY CHICKS A SPECIALTY.

UNITED BREEDERS, Inc., 314 Pond St., South Braintree, Mass.

Address all Correspondence, and make all Remittances payable, to THE COMPANY, Not to Individuals.

Cole's Buff Plymouth Rocks Win

At the National Club Meeting, Cleveland, Dec. 2-7, 1913—3rd cockerel; 3rd, 4th and 5th cock. **Chicago, Dec. 12-17, 1913**—3rd hen, 1st and 4th cockerel, 1st pullet and 1st pen young, best display and central district cup offered by the club. Demonstrating my ability to produce the quality necessary to win. **Eggs from best matings $5 per 15, $9 per 30. Mating list free.**

FRANK C. COLE -:- BOX A -:- VAN WERT, OHIO

WOOLERY FARM WHITE ORPINGTONS

EGGS—From Chicago, Indianapolis, Cincinnati, Columbus, Ga., Indiana and Illinois State Fair winners.

Our New Catalog, giving descriptions of our farm and stock, is complete. Drop us a card for yours today. It's free.

RALPH WOOLERY, Manager : BOX A : BLOOMINGTON, INDIANA

Fairfield White Rocks to the Front

At the Great Baltimore, Md. Show, January, 1914

In competition with the best North and South I won **Special for Best Display. Color Male and Female Specials,** also **Cock 1, Hen 1-5, Cockerels 2-5, Pullets 2-3,** Exhibition **Pen 1.** I also won **Gold Special** for 2 best males and 4 females. This is one of the best classes ever shown. **At the Great Allentown, Pa. Fair,** Sept. 1913, I won Cock 1, Hen 5, Cockerel 1-4, Pullet 2, Pen 2. **At Bridgeton, N. J.,** Cock 1-2-4, Hen 1-2-3, Cockerel 1-2-3, Pullet 1-2-3, Pen 1. Best Display in American Class, Special for best female in Show, Etc. These records prove dependable quality.

Stock for Sale—Eggs from Selected Matings

Write me your wants. I have the quality to please at right price. Mated Pens a Specialty, absolute satisfaction assured. Cir. free

FAIRFIELD POULTRY FARM H. W. Schnitzer, Prop. FAIRTON, NEW JERSEY

MYERS

BARRED PLYMOUTH ROCKS

The Pullet Breeding Line

AGAIN makes another Madison Sq. Garden, New York, show record. THEY REPEAT, and for the second time in succession I win FIRST PRIZE HEN at this greatest of all shows, also Special for

CHAMPION FEMALE

My complete record is: **Hen, First and Fifth; Pullet, Second and Third; Pen, Third, and Special for Best Female in the Class.**



This, with my former winnings at this show, Philadelphia, Hagerstown, etc., made with birds of **my own breeding** tells the story of their quality and worth.

500 Cockerels and Pullets for Sale

These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder who wishes to improve his flock and breed choice exhibition and quality birds. They are the kind to bank upon for success. I will sell in lots and quantity to suit, and assure absolute satisfaction.

Selected Breeding Cockerels, $5, $7.50, $10, $15
Selected Breeding Pullets - $3, $4, $5 to $10
Trios - - - $10 up. Pens - - - $15 up.
A Special Pen of Male and 4 Females for - $25

Remember I select and mate all birds sold. Write me your wants.

Eggs for Hatching

Catalogue now on press. Let me send this to you—it tells the story of this line in breedings, winnings, matings, etc. It also describes the birds, with prices and general information. Write today.

C. N. MYERS, Box A, Hanover, Pa.

Wysocki's Silver Campines

Winners at Chicago, Jan. 1914, 1st Pen, 2nd Cockerel, 2nd and 5th Pullet. Eggs and day old chicks at reasonable prices. Mating list upon request.

MRS. J. WYSOCKI, 431 Lafayette St., Aurora, Ill.

SILVER GOLDEN **CAMPINES**

Pinehurst Silvers won at Cleveland in fast company, First Cockerel, First and Third Pullet and Second Pen on five entries. Choice Cockerels for sale. Grand Pens mated for egg trade.

PINEHURST FARM, G. M. Smith, Prop., OBERLIN, OHIO

SENSATION STRAIN R. C. REDS

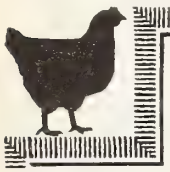
WON AT BUFFALO, 1913—2 Cock, 2 Pullet. ASHTABULA—1-2 Cockerel, 1 Pullet, 1 Pen, 4 Cock, Best Display. CLEVELAND, 1914—4 Cockerel, 5 Cock. These winners in pens, mated for Egg trade. Choice stock for sale. H. H. HOLMES, 49 Lockwood Street, Ashtabula, Ohio

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JACOBUS' GOLDEN and SILVER CAMPINES

ORIGINAL INTRODUCER, with Experience, Show Record and Reliability Established and Assured. Consider carefully and start right. For best results you should have my strain. **LATEST WINNINGS:** Am. Campine Club Show, Phila., Pa., Dec., 1913, 205 birds competing, I won 3 1sts, 2 2nds, 5 3rds, 1 4th, 3 5ths, 11 specials, including Silver Cup. **Mad. Sq. Gar.,** New York, Dec., 1913, 198 birds competing, I won 4 1sts, 1 2nd, 2 3rds, 1 4th, 2 5ths and 4 specials.

M. R. JACOBUS Box 3-J RIDGEFIELD, NEW JERSEY



Tompkins' Winnings—



What They Mean to You, a Possible Buyer

NEVER in all my showing experience have I been up against such keen competition as in the past season. Take the New York show at Madison Square Garden, for instance; there were 300 entries of Rhode Island Reds.

In all that lot there were mighty few below average—you who were there know that full well. Still Tompkins' Strain walked away with seven ribbons and all shape specials on Single Combs, First Cock and the Item Cup being among them.

Now I might make a good winning at one show a year, but fall down on the others—but I don't. At the Palace Show in New York, at Boston and at the Madison Square, New York, Tompkins' birds made big winnings, and each time under different judges.

Another thing to bear in mind, is that this isn't the first year Tompkins has won. **It's the twelfth.** Year after year we have captured Blue Ribbons. My strongest competitors now are birds of my own strain belonging to my customers. They are giving me the merriest kind of a hustle at the shows.



This grand bird won first ribbon and shape special in the December, 1913, Madison Square Show, New York, against the strongest competition I have ever experienced.



At the Palace Show at New York last December, this Tompkins Top Notch Special walked away with the much contested for first prize. First on Rose Comb and first on Single Comb in the one year at different shows awarded by different judges.

Of far more importance to me than all the first and other ribbons I won, is the fact that at all three of the big shows I won Blue Ribbons and specials for Best Display. The real meaning of which is that my strain of Reds **average high right straight through.** It's not a case of picking out a few from a large flock. Every one who knows my little old farm up at Concord, knows I don't carry a big flock of birds, **but those I do have are superior.**

These, then, are the vital things to think about in deciding where to place your egg orders. They are the things that should govern your purchase of pens and single birds whether in rose or single combs.

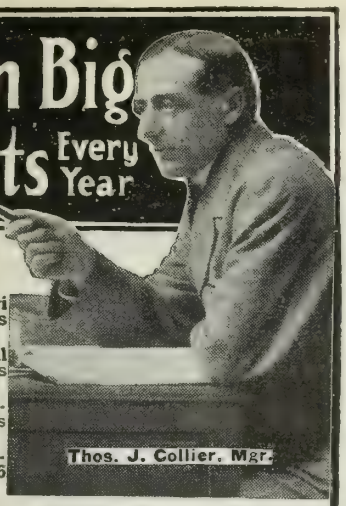
My Mating List is ready. My new catalog has a full list of my 1913-14 winnings. Send for both. Orders are filled in order received, which means there are sometimes certain advantages in being among the first.

LESTER TOMPKINS

Tompkins' Rhode Island Reds

Concord, Massachusetts

Wisconsin Wins In Big Hatching Contests Every Year



Winner 1910-1911-1912-1913

Mrs. J. McMahon, Veedersburg, Ind., won in Missouri Valley Farmer Hatching Contest, hatching 125 chicks from 126 eggs.

Mr. C. B. Armitage, Atwater, Ohio, won in Successful Farming Contest, hatching 181 chicks from 181 eggs in two hatches.

Mrs. J. W. Mize, Vaughn's Mills, Ky., won in Successful Farming Contest, hatching 208 chicks from 209 eggs in two settings.

Mrs. F. H. Lewis, Montrose, Pa., in 1913 won in Successful Farming Contest, getting 96 chicks from 96 eggs in one setting.

These contests were open to all makes regardless of price and prove beyond question that the famous Wisconsin machines **are the best for the money in the world.**

I stand ready to prove to you that Wisconsin Incubators are the best built and best equipped machines in the world for the money. You can't get bigger or better hatchings even if you pay twice the price. I build the outer walls of my incubators of Genuine California Redwood—costing 4 times as much as materials some manufacturers use. If you will write for my catalog, I will gladly mail you a sample of the lumber so you can see the quality and compare it with others. If you do this I know you will order a Wisconsin. One hatch will pay for your machines and more. If you are not perfectly satisfied, simply write me—send the goods back and I'll not only return your money, but pay the freight charges and charge you nothing.



180 Egg Incubator and 180 Chick Brooder Both for $11.50

ORDER DIRECT FROM THIS AD

130 Egg Incubator Chick Brooder

Both Machines For Only $10

Freight Paid East of Rockies

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Wisconsins are bigger, better, more value than ever—no increase in price. Incubators have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under egg tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testers, all set up, ready to use when you get them. Incubators finished in natural colors showing high grade California Redwood lumber used—not painted to cover inferior material. If you will compare our machines with others we will feel sure of your order. Don't buy until you do this—you'll save money—it pays to investigate before you buy. Money back if you are not satisfied.

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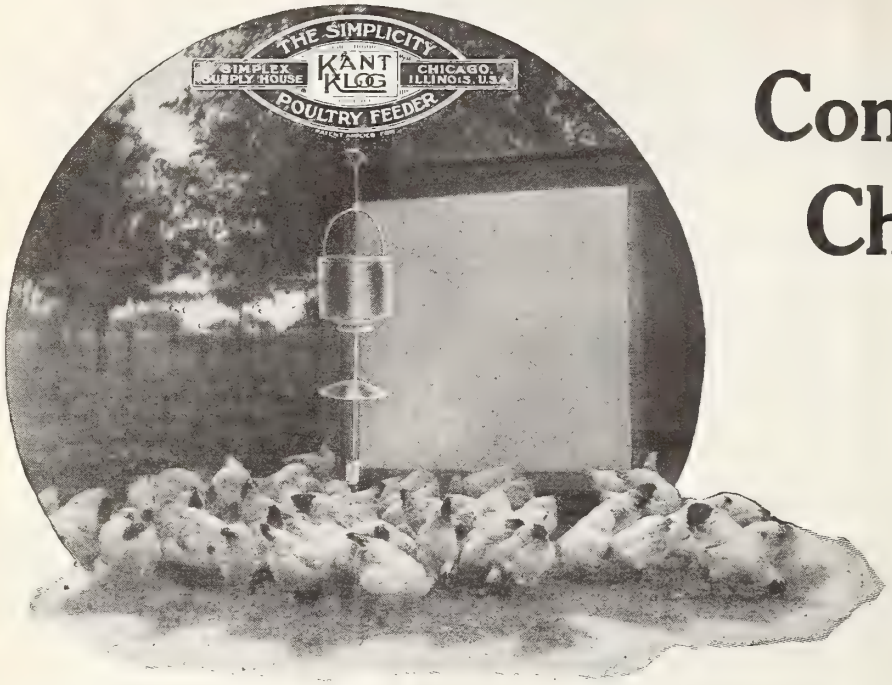
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Are Sure to Revolutionize Poultry Raising for Profit, Because:

1—You need no brooders, and these alone are a great expense.
2—Each Flat will brood and raise 600 chicks, and do it right.
3—Each Flat is a unit—a basis of calculation.
4—Each Flat will house and winter without fire 72 old birds.
5—All work is done under cover and you need not move three feet from one spot in doing it—no exposure to weather for man or birds.
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7—You can build one in your back yard.
8—Covers 24x36 feet and includes six runways. Can make runways as large as space will permit.
9—In the Flat you have everything you need, at one cost—a complete plant.
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11—One Flat will make you money right off the reel.
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Read the book "Poultry Flats" as written by Mr. Edward Amherst Ott, the man that knows and does. One man sold $800 from just one, on a back lot. The book also contains letters from those who have built in twenty-one different states. Read these. Send us 25c, that's all, and we will send you the book and the INLAND POULTRY JOURNAL for six months. This paper is known all over the world as one of the best.—so do this now and you will always be glad. Address

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IT is the one necessary poultry appliance that every raiser of poultry cannot afford to be without. No matter if you raise six or six thousand chickens, the time and feed you save, not counting the extra egg yield—more than pays the cost. This feeder will feed anything from whole corn to millet seed—it cannot clog—it is rat and sparrow proof—go away whenever you want to, you need not worry; the chickens will be fed correctly—in fact, this feeder is perfect in every way.

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the world's leading poultry authorities recommend the use of properly constructed automatic poultry feeders — our guarantee of money refunded if not satisfied, is your proof that this feeder is properly constructed.

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Discount on Large Quantities

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REMEMBER You buy Simplicity Kant-Klog Feeders on a positive guarantee of "money refunded if not entirely satisfactory." Write for complete poultry appliance catalog today. We can save you money.

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S. C. White Leghorns White Plymouth Rocks
Win Highest Honors at Boston's Great Show, 1914

S. C. WHITE LEGHORNS

In a beauty class of highest merit with 134 birds competing against 14 prominent breeders our birds won a record of superior value, viz.: Cocks, 1, 6; hens, 5, 6; cockerel, 5; pullet, 4; pens, 3, 4; special for males and females and cup for best male.

WHITE PLYMOUTH ROCKS

In a royal class of 180 birds, the largest class out this season, representing 27 breeders, we won: Cock, 1, 2; hen, 2, 5, 6; cockerel, 3; pullet, 2, 5; pen, 5; specials for best cock and 3 hens; best cockerel and 3 pullets; best display, and $100 championship cup for best White Plymouth Rock male. These records stand for

SUPERIOR QUALITY AND PRACTICAL WORTH

Stock For Sale Eggs For Hatching Baby Chicks

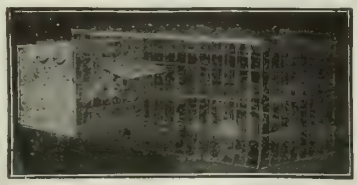
We are fully prepared to supply all wants in our lines with absolute assurance of satisfaction in birds, eggs and baby chicks. Write your wants, also for our large catalogue. Special sale of Quality Leghorns now.

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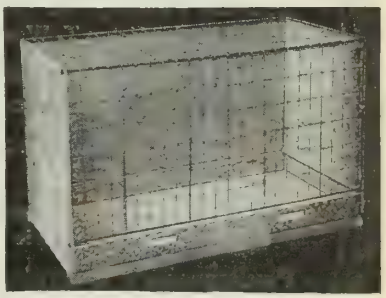
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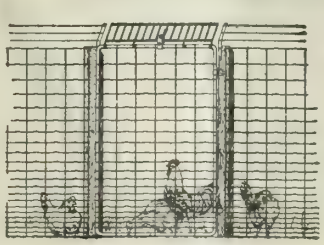
You will need some of these fixtures, we have them for you, so make inquiry at once.



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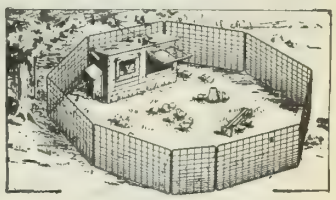
Model Training and Exhibition Coop



Model Poultry Gate

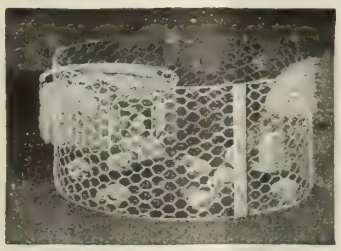


Model Poultry Hennery

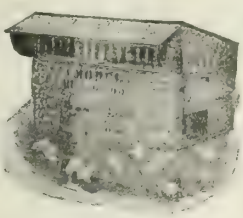


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Price $1.25. Half dozen $6.90

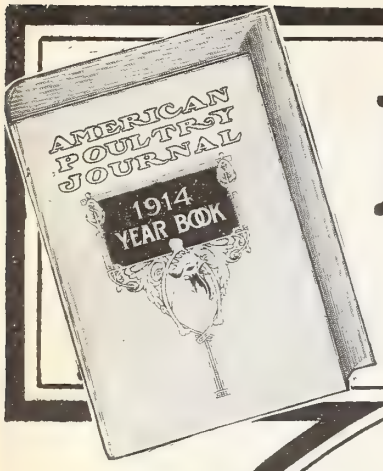


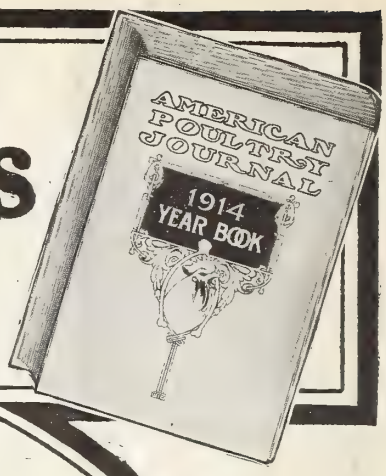
Model Brood Coop



Economy Trap-Nest

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The 1914

AMERICAN POULTRY JOURNAL

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The authentic review of the poultry industry for 1913

Profusely illustrated with photographs by the new autochrome process of living birds in natural colors, and numberless black and white illustrations.

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Blue Orpingtons
by Max de Bathe

Fattening Poultry
by Alfred E. Lee

These are a few of the many articles you will find in this

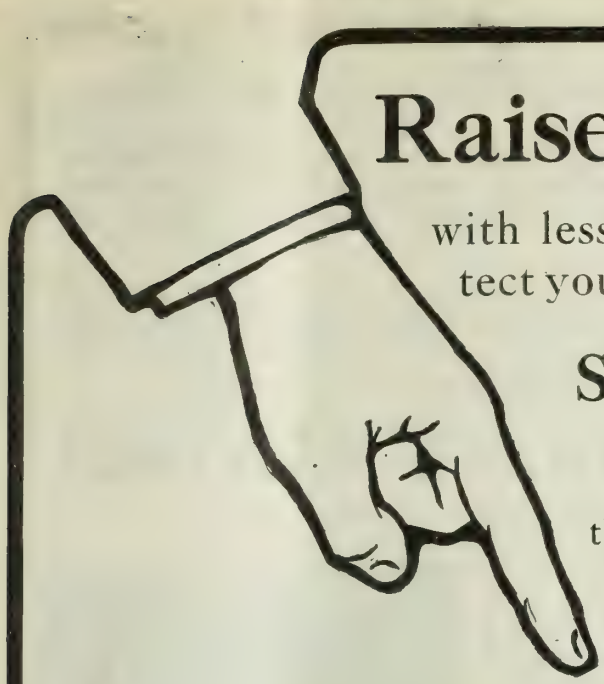
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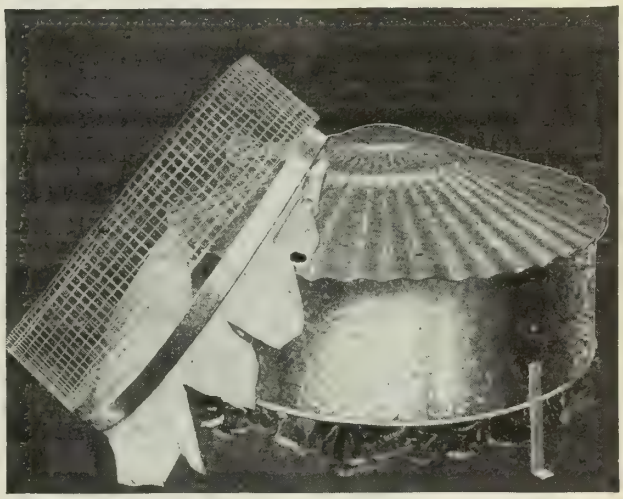
with less than ten per cent loss. Protect yourself—and your chicks—get a

Simplex Perfection Feather Brooder

the brooder that has solved the chick problem.

The Simplex Perfection Feather Brooder

is the only brooder that hovers chicks nature's way—"under natural feathers" without the aid of artificial heat. Made of galvanized iron, without wood to warp and rot, and on the inside is the hover made of NATURAL FEATHERS, which raises the chicks just as nature intended they should be raised. It is against all the rules of nature to raise chicks by artificial heat. That is why the Simplex Perfection Feather Brooder is the one brooder to use—it is just following nature's rules. No fire—no smothering—no chilling—no leg weakness—no overheating—no gases or fumes—no crowding—no bowel trouble—no fuel to buy or lamps to replace. Absolutely weather and rat proof; can be used in or outdoors. The one sure "chick raiser."



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Order direct from this ad—you run no risk—if the brooder is not satisfactory in every way—your money will be refunded promptly and cheerfully.

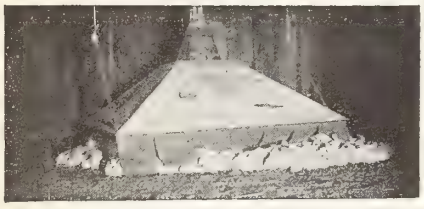
50-Chick Size	$ 5.00
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SIMPLEX SUPPLY HOUSE CHICAGO, ILLINOIS, U.S.A.

SIMPLEX SUPPLY HOUSE

PONTIAX BUILDING Write for catalog—we can save you money CHICAGO, ILLINOIS

Gives Best Results—Saves Time and Money



The chicks are enjoying the warmth of the hover and getting plenty of fresh air at the same time.

The Hall Colony Brooder helps raise more and sturdier chicks. It successfully cares for 300 or more chicks with less labor and expense than 50 or 100 in old style brooders.

It provides better results by saving time, money and giving largest number of healthy, vigorous chicks that reach maturity. It is the best paying investment you can make for this year and for the future.

HALL Coal Heated COLONY BROODER

"The Successful Poultryman's Best Friend"

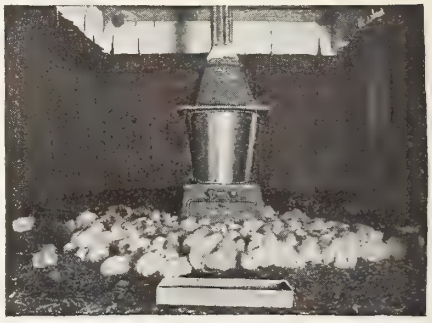
Construction — Cast iron stove, strong, substantial, simple. Will last a lifetime. Hover made of best grade of galvanized iron, having cast iron collar, riveted. Thoroughly reinforced. Pure woven wool felt curtain—chicks will not pick at it.

Regulator — Metal thermostat, sure and reliable, operates damper, regulating combustion.

Ventilation — Slight seepage of warm air through top provides gradual change of air without draughts. Air in house and under hover always pure and fresh and free from gas.

Fuel—Anthracite Pea Coal, costs about 40 cents a week.

Advantages—Fire pot eight inches from floor—chicks cannot come in contact—radiates heat so that chicks cluster in a circle away from stove. Easy to shake grate through door of hover. Curtain conserves heat and chicks prefer dark when under hover.



Hall Colony Brooder with hover raised. A child can operate it. Easy to clean under this hover.

Write for "Broadside B," which gives complete information of profit to every poultryman. Our SERVICE DEPARTMENT places the experience of its specialists at your command.

THE HALL MAMMOTH INCUBATOR COMPANY

132 Southern Avenue **LITTLE FALLS, N. Y.**

Madison Square Garden, New York, Champion

White Plymouth Rocks

WIN ALL HONORS AT THE NATIONAL SHOW
Held at Washington, D. C., December, 1913

Their record is unbeatable, like their superior quality. At this great National Exhibit they won Cock 1-2, Hen 1-2, Cockerel 1-2, Pullet 1-2, Pen 1 and all Specials. **At Williamsport** this season they again made their second great record, and at Cleveland, Ohio, Chicago, Ill., Boston, Mass., Philadelphia, Pa., they have proven their quality and won highest awards and honors over all, including six Championship Specials for Best Bird at these great shows.

Remember This Champion Line made its best records at America's Greatest Show, **Madison Square Garden, New York. They are now better than ever.** We have a great line of stock to select and fill orders with. They have the best of breeding quality and will give absolute satisfaction. Write for my **Special Sales List of Stock.**

Eggs for Hatching from selected matings, made on quality to produce quality. My circular and full particulars for the asking. Write me.

WEBSTER FARM, Box A, GIRARD, PENN.

Lichtenwalter's Quality

Buff Plymouth Rocks

For years they have won at the prominent shows, East and West, more prizes than any other line. They have the quality to win and to breed winners. Let me know your wants—I can please you.

Eggs for Hatching: For this year I have made but few matings. They are the best I have ever had, and from which I will sell hatching eggs without reserve. Circular and Mating List for the asking.

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Her Stud wins honors at the Dairy Palace Club Shows 6 successive years. (Write for Stud Record)

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BREEDING PENS from **35** DAY OLD CHICKS - from **10**
[Chicks from Heatherwood Farm only]

ORPINGTONS	FAVEROLLES	LEGHORNS	CAMPINES	SUSSEX	DUCKS
Buff, White, Blue	Buff, White	Buff, White, (260 egg strain)	Silver, Golden	Red, Speckled	Indian Runners Buff and Blue Orpington

ALL BREEDS OF POULTRY, WATERFOWL, DOGS AND PONIES EXPORTED TO ORDER

Book your orders today. Remember this is one of the leading export yards in the world and one that holds a world-wide reputation for the quality of stock supplied and wins secured by customers, and fair dealing. Hundreds of birds are exported annually in a wide variety of breeds, and we satisfy our customers in each one so they come again. **Won't you send us a trial order.** Write to England for my latest price list.

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BLUE ORPINGTONS :: SILVER CAMPINES

These are the two breeds in which there is the most money, and for which there is the greatest demand. Why? Because of their wonderful laying qualities and their easiness to raise in any climate. At England's two greatest shows, viz: The Dairy and International Crystal Palace my wins in Blue Orpingtons were the following: **At the Crystal Palace Show,** 3rd Cock, 2nd and 3rd Cockerel and 2nd Pullet. **At the great Dairy Show** I won first in a class of 34 entries, the biggest class ever known in this variety. Also 3rd and 5th. **At Madison Square Garden, N. Y.,** 3rd Cock, 1st and 3rd Cockerel, 3rd Pullet, 4th Pen. Sixty-eight per cent of the winning blues at above show emanate from my yards. In Silver Campines I won 3rd Cockerel and 4th Pullet, and at Madison Square Garden 2nd Pullet, 5th Hen, 5th Pen. I can ship by return high-class breeding Blue Orpingtons and Campines at following prices. Pullets, $15, $20 and $25. Cockerels, $25, $30 and $40 each. Live delivery guaranteed in New York.

EGGS. Blue Orpingtons $17.50 (best in the world) $15 and $10 a sitting. Campines, $10 and $5 a sitting (15).

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Barred Plymouth Rocks

Win at the Great N. Y. Palace Show

With 213 birds competing of the usual **New York Quality,** our birds won **First Prize Hen** and **Sweepstake Championship Special Medal for Best Hen in the entire Show;** Special for best shaped Female; **Second** Cock; **Second** Cockerel; Fifth Pullet; **Special First** Pullet-bred Pen; **Special Second** Cockerel-bred Pen; **Special Second** Pullet-bred Cock; **Special Third** Pullet-bred Cockerel; **Special First** Cockerel-bred Hen, **Special First** Cockerel-bred Pullet.
Spratts Silver Cup for Best Exhibit; Special Champion Female, etc.

Line Bred Since 1883

and winners at Boston, Philadelphia, Chicago, Washington, Toronto, etc., of over 1200 Prizes in our own hands. This year they are better than ever. We have a large stock of quality birds and can supply your wants. Mated Trios and Pens a Specialty. **Write your wants and get our prices.**

Eggs For Hatching

From the **Best Pens** we have ever mated at **$5.00** per setting straight. Send for our descriptive mating list, it's free, write now. When writing mention Am. Poultry Journal.

SCHWAB BROS. BOX 451 IRONDEQUOIT, N. Y.

Aldrich White Orpingtons

The Strain of Quality



Your **success** as a poultry breeder depends largely upon securing **foundation stock** or eggs from the **best strain** of the **Best and Most Popular Variety** of Poultry—the S. C. White Orpingtons. They are the GREATEST WINTER LAYERS, mature quickly, making broiler size in eight weeks, and add to these useful qualities their HARDINESS, BEAUTY and GENTLENESS, and you have the IDEAL CHICKEN, and those breeding ALDRICH STRAIN have NO TROUBLE to SELL all the stock or eggs they can produce AT GOOD PRICES, as the SUPERIORITY of the ALDRICH STRAIN is now acknowledged by all.

At the great MADISON SQUARE GARDEN SHOW, December, 1913, we won BEST DISPLAY, 1st, 2nd and 3rd cockerel, 1st, 3rd and 4th cock, 1st pen, 1st hen and 2nd pullet. At the great CHICAGO COLISEUM SHOW, the week before, we won Special for Best Display, also Color and Shape Specials, 1st and 3rd cock, 1st, 2nd and 5th cockerel, 1st old pen, 1st young pen, 2nd and 4th hen, with no pullets shown. This winning at America's TWO GREATEST SHOWS, together with our win at Allentown, 1913, and Atlanta, 1913, and our wonderful winnings for the past three years in all of America's greatest shows, easily proves that ALDRICH STRAIN WHITE ORPINGTONS cannot be excelled.

At all America's best shows this season the most prizes went to those who raise ALDRICH STRAIN WHITE ORPINGTONS.

We are the largest farm in the world today making a **specialty of White Orpingtons.** For several years we have devoted all our time and attention to a single object—the perfection of the ALDRICH STRAIN S. C. WHITE ORPINGTONS, and we have put QUALITY FIRST in perfecting our strain, and supplying our customers.

Our pens are all trapnested and contain ALL THE FIRST PRIZE WINNING MALES at this season's shows at CHICAGO and MADISON SQUARE GARDEN; and eggs from these pens, absolutely the best ever mated in White Orpingtons, are $5 and $15 per setting of 15 eggs.

Send for our beautiful 60-page catalogue with color plates, and let us quote you prices.

ALDRICH POULTRY FARM

5074 N. High St. -:- Columbus, Ohio

The Golden Road to Success

ALDRICH CHICK GROWER, a Specific for Bowel Trouble, and BONE-A-TONE, a Bone-Producing, Health-Giving Tonic.

READ CAREFULLY THE EVIDENCE OF AMERICA'S MOST NOTED POULTRYMEN:

Hope, Indiana.

Gentlemen: I wish to state that Aldrich Chick Grower reached us in due time, and I must say it is **without doubt** the Greatest Remedy we ever used along this line, and we have been raising fancy poultry since 1883. It is a frame builder and a body vitalizer. We have never used anything that made chicks grow up so readily as your Chick Grower. I can truthfully recommend to all poultry raisers this **Great Remedy,** and I assure you as long as you manufacture it and it proves the good merit it has this season we will continue to purchase it of you and order more in a few days. I note what you say in regard to BONE-A-TONE. I would like very much for you to send me a quart. It is surely a good Tonic, as you have given size and fast growth to your stock.

Wishing you every success, we remain,
Very respectfully yours, J. C. FISHEL & SON.

Collegeville, Pa.

Dear Sirs: It gives me great pleasure to report that your CHICK GROWER and DIARRHEA REMEDY is one of the Greatest Remedies that the poultryman has ever been able to get hold of. It is surely a wonder. I cannot recommend it too highly. Wishing you every success, I beg to remain,
Yours truly, F. G. BEAN.

NOTE.—Judge Bean judged the pens and females in the White Orpington class last December at MADISON SQUARE GARDEN.

CORDOVA, ALA.

Aldrich Poultry Remedy Co.

Dear Sirs: I have given your WHITE DIARRHEA REMEDY a most thorough test. While I have lost **at least** 50 per cent of all chicks hatched during the last two years by **this scourge, I HAVE NOT LOST A SINGLE CHICK** since using your REMEDY. I DO NOT GUESS about it, for I know it to be both a cure and an ABSOLUTE PREVENTATIVE. To test it I would divide the hatch and feed exactly the same, but give one-half of chicks the Remedy in their drinking water and the other the **plain** water. **NOT A SYMPTOM** ever appeared in the flock given the Remedy, while in 3 or 4 days the others were all stuck up with white diarrhea. I would put them on the treatment and all chicks that were able to eat and drink QUICKLY RECOVERED, and not another chick became affected, although the sick and well chicks remained together.

I consider your cure **The Greatest Blessing** for the poultry interest of any discovery in 25 years.

Respectfully, POPE M. LONG.
Breeder of Silver and Partridge Wyandottes.

The above evidence is proof conclusive of the merits of THE NEW DISCOVERIES made by Messrs. Rawnsley and Aldrich.

PRICES: **ALDRICH CHICK GROWER, $1.00 per quart jar, enough to raise 100 chicks beyond the danger point.**
BONE-A-TONE, $2.00 per quart.

DON'T LOSE YOUR CHICKS when an ABSOLUTE REMEDY can be secured at a nominal cost

ALDRICH POULTRY REMEDY CO. :: 4045 North High Street :: COLUMBUS, OHIO

AMERICAN POULTRY JOURNAL

Entered as Second-Class Matter August 9, 1886, at the Postoffice at Chicago, Ill., under Act of March 3, 1879.

Volume 45 | Chicago, Ill., April, 1914 | No. 4

Why Not Study Gallus Bankiva at Home?

It Is Suggested That the A. P. A. Send An Enterprising Young Naturalist to Make An Exhaustive Study of Its Habits, Language and General Characteristics In Natural Habitant.

By H. H. Stoddard, Riviera, Texas



WILL you oblige me by reading, pondering upon, and inwardly digesting the following proposition, and seeing whether or not it is execrable nonsense, an insolvent theory, and a gauzy scheme which evinces the sham scientific and economic vaporings of a visionary enthusiast in an exalted state of unknowingness.

Have been hoping for a long time that some poultryman, with the spirit and enthusiasm of a born naturalist would go to one or more of the countries where Gallus Bankiva lives, observe its habits and language thoroughly under a variety of circumstances, snap it in all sorts of attitudes with camera and bring back both skins and live birds. It is too bad that the scant report of Col. Blythe is about all that we have to depend upon.

The A. P. A. can never do better in a thousand years with some of its money than to send some young, enterprising and persevering naturalist who is expert with gun, camera, and pen, all three, and have him edit a profusely and splendidly illustrated book, successive editions of which are to be sold by the A. P. A. for years and years, with but one case of original cost, in contrast to the oft-repeated big bills for Standard publishing which are unavoidable.

It would be a work sought after all over the world, and be in demand a hundred years and more from now, same as when first sheet came from the press.

The cost to the A. P. A. would be regained, so that organization would not be out one cent, and there would be founded a perpetual source of revenue, as also celebrity and honor all over the world.

Who will take up this matter and push it to conclusion? It would add a new triumph to an Association than which there is none greater in any other branch of live stock, in either hemisphere.

Gallus Bankiva the Base.

In many cases a look backward at the wild original is helpful when some particular poultry topic is studied, as for instance suppose one is thinking of the modifications the fancier brings about and is reasoning as follows:

A great many persons never stop to consider that fanciers may, and often do, model and remodel the external shape of a fowl's body by altering the feathering, that of the back especially, without changing the shape of the body itself one iota. Take, for instance, Leghorns of the several varieties and were it possible today to slaughter types during forty-five years of Standard tinkering and place the carcasses side by each for comparison, they would appear absolutely identical if of same age and fed to same plumpness.

It is amusing to see how the uninitiated will gulp down the idea that fanciers have been "improving" the chief races of fowls, during the past half century, as regards their utilitarian qualities. The fact is, that as good Asiatics as regards size and shape can be procured among the common fowls of China today, as were just exhibited at Boston, and Mediterranean birds may be picked up at the first farm you come to, in the vicinity of that historic sea, which, if fed and mated properly, will give you as many eggs as those lauded in the "bred-to-lay" advertisements, now crowding into the poultry papers. Just as poets were born not made, so races of fowls grew, they were not made, and were essentially the same as they are now in regard to utility, when the first poultry shows were held in America.

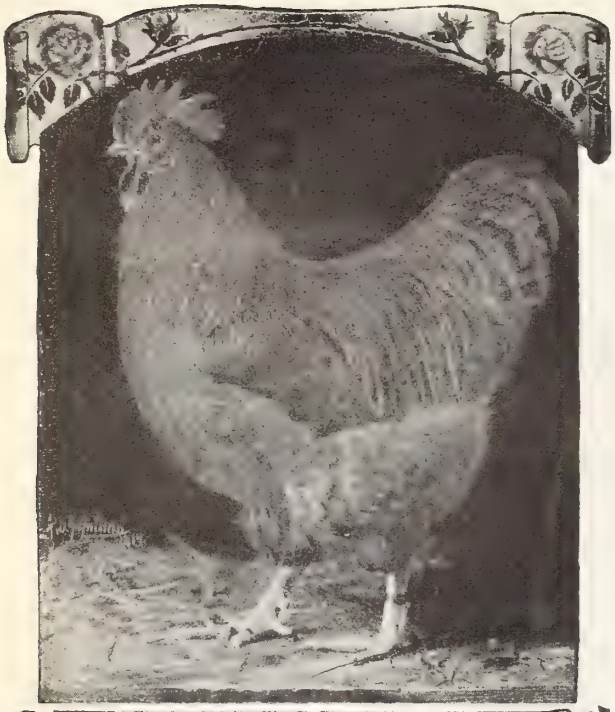
Does the above appear as disparaging the fanciers and poultry shows? The fact is the fancier's world and what it produces has never been prized and praised enough. It has often been prized and praised in the wrong respects, that is all. As a great national game it stands with baseball and possesses more valuable features. No people ever needed hobbies more than ours, in the rush, worry and wear and tear of modern life. There is no hobby of high merit that is so universally available, or almost universally available, except in big cities, as fancy poultry keeping, and there are two special advantages it possesses:

First, it pays its way, in ordinary produce, apart from any fancy prices; and second, it is invaluable for children by affording them lessons in industry. Telling a tithe of all the benefits the fancy bestows, directly and indirectly, would mean a long story.

The New Darwinism.

When interesting problems in heredity arise, and we try to trace the modifications in species far back in bygone ages, even then our Bankiva has to be reckoned with, as in case of the study of strife, and survival of the fittest, in the histological or microscopical realm of life.

Not only does one species war to the death with other species, but each individual to a certain extent wars with others of its own species. More than this, the omnipresent strife reaches its height where we find that the body of each individual creature from moneron to man, contains an immense number of cells, each one a living organism, and that sometimes these are rivals of each other. The discovery of the competition and survival of the fittest among the living "bugs" in number incomprehensible, which our bodies contain, has been felicitously named the "new Darwinism."



FIRST PRIZE S.C. BUFF ORPINGTON COCKEREL
MADISON Sq. GARDEN N.Y. DEC. 1913 BRED & OWNED BY
HUGH A. ROSE FONT HILL, ONTARIO

Genera war with genera, the species which compose them war with each other, the individuals of the species contend for supremacy, and the cells within the individual sometimes fight to the death.

In all the wars those high up are the mildest and those at the bottom the fiercest. For instance though "man is a wolf to man," yet society, co-operation and law and order, are contrived by what is essentially a nice balancing of selfishness, to mitigate strife between individuals of civilized races. The lower stages of civilization carry on more ruthless warfare than the higher, and the Mexicans are savages compared with their more civilized neighbors across the Rio Grande. It is way down in the scale among the microscopic cells that give rise to the individual's life that the contest is severest. The hundreds of swimming cells, the spermatozoa, each alive and an enemy to the death to all its fellows, struggle to gain entrance to the waiting ovum. Only one can enter and a ready door shuts the rest out to die a lingering death. Here is the very acme of cruelty. When Rome exulted in fights between gladiators and two champions were matched, they fought till one was killed. Humanity has been appalled ever since. But Nature, often foolishly extolled as a "kind mother," arranges that one spermatozoon may fight hundreds, and crowding them away from the door where he casts off as no longer of use, the oar which was attached to his body, leaves them to perish in the miniature salty ocean which repeats the ocean in which adults of the species once lived. This emphatically is a case of the survival of the fittest, and shows that at the very first stage of embryonic life nature's favorites are the strong.

The Leghorn Tail.

Even on such a matter as Standard making our friend Bankiva has something to say or will have when live specimens are exhibited at our shows.

Whatever the angle our basic bird prefers for his caudal appendage it is very well known anyhow that the Leghorn on his native heath or on board ships hither bound, does not have the Standard sloping tail. Judge Card in the Poultry Advocate well says:

"Back in the dim ages of American poultry culture, Leghorns were much troubled with what are designated as squirrel-tails which are exactly the opposites of droop-tails; hence the reason for the last mentioned is apparent; namely, to prevent the obnoxious and unsightly squirrel-tail from ever again appearing on our American Leghorns; yet, how strange is human nature that it must needs swing the pendulum to the other extreme, which, while not as unsightly perhaps, is not beautiful and surely is no indication of stamina and vigor; of the two, the squirrel-tail bird has a greater claim to these grand qualities. Looking at the matter in all common sense one finds that the Standard requires a 45 per cent tail on males and 40 on females, which leaves over 15 to 20 per cent before a squirrel-tail appears; further than that a tail of not more than 45 per cent and not less than 35 will accept in all harmony the beautiful concave sweep of back lines and hang, well-balanced, over the oval lines of the stern and lower body. Going a little deeper into this law of harmony we find that no other fowl in existence has such a beautiful shape in its entirety as the Leghorn and why? Because the finest, the most exquisite known in nature or art are embodied in every line of the Leghorn shape. Since the memory of thinking man art has worshipped at the shrine of 'Oval Curves;' it is the theme of art in story and in verse; it has been and still is, the despair, aim, inspiration and grand aspiration of the sculptor and the devotee of the palette and brush; it is nature's lure for high achievement in all that is beautiful and perfect.

"In the exhibition Leghorn every line bespeaks the 'Oval Curve', every section in the Standard implies this; long and nicely arched; well curved; nicely curved, etc., are the terms in abundance throughout the reading; even the ear-lobes are almond shaped; every curve merges into the other without a break from head to back; from back to tail; from neck to breast; from breast to stern and again to tail, thus creating an oval in entire profile. Taken in sections, still this law of the 'Oval' prevails; the nicely arched tapering neck presents an oval of itself as does the body complete; the same is apparent in the tail and in the moderately long and slender thighs. Then why the controversies? When science, art and harmony so clearly proclaims the truth. Destroy the oval curve in any one section and complete Leghorn type is destroyed. While the



FIRST PRIZE S.C. BUFF ORPINGTON PULLET
MADISON Sq. GARDEN N.Y. DEC. 1913 BRED & OWNED BY
HUGH A. ROSE FONT HILL, ONT.


THIRD PRIZE COCK AT CHICAGO COLISEUM SHOW
DEC 1913 BRED AND OWNED BY
FLANDERS WHITE LEGHORN FARM ORCHARD LAKE MICH

drooping tail is a pernicious enemy to the oval curves, an increase of weights for Leghorns is far worse; the drooping tail destroys the oval curve by making a straight line from neck to tail and lengthens body beyond the oval, but the increase in weights coarsens the entire body in every line thereby eliminating the finer exquisite curves of the perfect oval so necessary in a high-class Leghorn. The increase in weights drops the breast and stern to an oblong with corners rounded; it causes the arch of the neck and the concave sweep of the back to assume almost straight lines and last but not least, shortens and broadens the moderately long and slender thighs into uncouth lines far removed from things of beauty and a joy forever."

Traveling Fast and Far.

Showing how an error travels when once it is started, Assistant Professor J. E. Dougherty says in February Reliable Poultry Journal, page 1522:

"According to Dr. Pearl of the Maine Experiment Station, who has been investigating for a number of years, the male transmits the character of high production only to the female offspring and the female to the male offspring."

"Therefore," Prof. Dougherty goes on to say, "we breed thus and so," showing that he trusts Dr. Pearl implicitly. Yet the real truth is now, has been for a thousand years, and will be a thousand years hence, that hens sometimes transmit the "character high production" to their daughters direct.

If Prof. Dougherty will put males of notoriously inferior laying stock with hens of notoriously superior laying stock, and report results, he will add value to his already very valuable work and writings. But there should be nothing slack and inconclusive about the trial. It will be easy enough to secure females that are thoroughbreds as regards good laying but to know that the stock the selected males are from, are, and long have been, confirmed in scanty laying, will very likely prove somewhat difficult.

Harvesting Greens.

When you have but few fowls and many acres, as may be the case when you are starting, then utilize foraging facilities to the utmost and be duly thankful for them. But in the long run do not rely too much on such facilities. Animal food, preferably buttermilk or skim milk, and greens, must both be "fed out" to them and the run be regarded as only a parade ground, or park, for air and exercise.

Where rainfall is abundant and fairly well distributed through the year, or where irrigation is feasible, blue grass and white clover, singly or mixed, or if too far south for these, Bermuda grass may in some cases be grown on the range and fowls allowed to help themselves. But prithee do not deceive yourself, good reader, as to this scheme. To raise any sort of vegetation for the fowls to harvest for themselves and have it tender and juicy always, is not so easy. It sounds well on paper but any sort of crop, no matter what, that is tender when it starts, soon becomes tough. To keep it tender you must have it stocked with a sufficiently large number of birds, and then there is risk of over pasturing. Either overstocking or understocking your range will be sure to bother you and in either case you are helpless. To hold the situation in hand always, and have your poultry have all they want all the time of quick-grown, tender, fresh vegetation, in shape to be swallowed easily, I know not, down to the present writing, of anything that beats artificial harvesting,—and grazing is not to be mentioned the same week. In fact, ordinarily, I would hardly mention it at all in this part of the world, unless in connection with the Skinner system of irrigation described in December issue of this magazine.

Close Calculations.

I have a letter from a stranger, who writes that it seems to him that it is "drawing it too fine to be so extremely particular about labor saving." Trouble is, I have not been particular enough. Poultry as a business is subject to the same natural laws as any other business is. Success in these latter days depends on being so "particular" that 'twill make your head snap.

Standard Oil folks are supposed to be no slouches when it comes to biz. But all the big businesses, too, are mighty particular. They even hire expert critics to look their establishments over and find all the fault they can, and in every department a notice is posted in big letters offering cash rewards of from five dollars to five hundred dollars to any employee, or any other man on earth who will vouchsafe a serviceable hint. I started to say how Standard Oil people particularize. They know to the one-hundredth part of a cent what a gallon of oil in a particular


BARRED ROCK COCKEREL HEADING FIRST PRIZE PEN
MADISON SQ GARDEN DEC 1913 BRED AND OWNED BY
PAYNE BROTHERS PORTLAND, CONN

tank has cost and the cost of a single barrel of oil on any railroad platform. The cost of the material in the barrel itself, wherever it was bought, including freight and drayage, and the infinitesimal bookkeeping and superintendence involved, cost of the contents at the part of the country where it was produced, involving all the stages of purchase, manufacture and transportation, even the cost of filling that barrel, and when shipped to a purchaser, the fraction of the shipping clerk's salary involved when he ships it and makes an entry is charged, as part of the cost of that particular barrelful.

The commercial world has been busy for several years over the question of whether horses or autos are the most economical. Standard Oil goes after it as follows: In a whole tier of big states the cost of keeping all their horses is accounted. Not in a general way but right down to a fraction. Not the cost of feeding a span or a stableful but a separate account is kept of the food of each individual



"Pullet—First, perfection back, well spread tail, graceful lines, strong hackle, beautiful staple." This was the brief but striking comment made in the January number and we are glad to herewith give our readers a likeness of this Brown Leghorn female which Judge Arthur Smith, after placing the awards, remarked had the best hackle and softest and best penciling, back and wings, absolutely free of shafting and brick, that he ever saw, with one exception, on a Brown Leghorn female. There were 170 Browns at this, the national club meeting—the largest exhibit of Browns ever cooped. Mr. H. V. Tormohlen has been making other important winnings at St. Louis, Birmingham, Cincinnati and Indianapolis beside Chicago. His address is Route 2, Portland, Ind.

horse and its proportion of tending, stabling, interest on value of the animal, death rate, depreciation by age, veterinarian fees, interest on vehicles and harness, plus their repairs and depreciation.

Driver's time in making trips is computed as a very important element. When a comprehensive average is secured there is something really known about animal service to be compared with results of equally minute details of cost of maintaining auto-van service.

Showing how careful experiments are to hasty conclusions, it was found that whereas it had been popularly believed that the advantage of the auto was greatest in case of a light runabout on a smooth road, it was just the other way. A heavy tank wagon on a bad road needing four big horses is a situation where the auto specially shines. A long trip with horses, demanding a full day, after rains, would need but three-fourths of a day, and driver would work a quarter of a day at something else. The command of extra reserve power all the time, at bad places, was equal to a pair of horses kept waiting to be hitched on at each bad spot. The extra fuel costs only when extra fuel is turned on, but an extra horse costs all the time.

Now, incidentally, it is worth noticing that the way the cost of horse service was found out shows not only that it pays to be extremely particular but also shows that the proper way was not to make everything turn on a few horses at a few localities but to go over a broad field. Our friends, the bloated money magnates, were desirous of knowing not what horses cost them at one town but what they cost at all towns, since at all towns was where they were using them.

Similarly, if the object of the great laying contests is to really learn the comparative laying merits of breeds, instead of filly fadling around trying to find out whether John Jones' particular squad of Blue Hopefull Senegambians lay better than Bill Smith's special bunch of Spangled Utopian Patagonians, single pullets of same age should be collected from many different owners in widely scattered localities and massed. For, keep in mind, it is in widely scattered localities that the birds of a chosen breed are to be procured and kept, by the people who are supposed to be benefited by the verdict of the trial.

I would not undervalue certain lessons, other than the comparative merits of breeds, that the contests are teaching, for these lessons fully repay all that the trials have cost. But the millions of people who earnestly ask for the breed that are the best layers are left stranded high and dry just where they were before.

Returning to the matter of careful statistics and the rigid saving of fractions of time, labor, light, fuel and materials, it is by the combined savings in all of these details that one great manufactory, or other industrial enterprise, makes so big a financial stroke that it forces all its competitors to adopt the same methods or quit business.

Respect the Preferences.

February issue of this magazine, page 235, gives instances where poultry keepers prevent, by their mode of feeding, that nice, leisurely determination by the fowls, of quantity of food which they need. Similarly, certain obstacles, sometimes apparently very trifling ones, will prevent perfect, nice, leisurely selection as regards kinds of food.

A striking instance of how an insignificant obstacle will stop fowls from eating as much of a particular kind of food as they otherwise would, is found in feeding wet mash, and affords an objection to it in addition to the one made by the universally admitted labor and inconvenience involved in its use.

Put wet mash before poultry and they will soon compress it into a compact mass till they are unable to peck and swallow it readily; and this inability keeps them from eating as much of it as they otherwise would. Whether or no this curious fact has ever been published before I know not. It is one of the little quirkums of which there are a hundred in poultry keeping, that seem at first glance extremely trifling but which are of considerable importance in practice.

You can put fairly moistened mash in a "container" and press it down carefully in different places, using a bit of board or anything with a flat surface and if you persevere it will become more solid than before through the mass, while it appears wonderfully wet compared with what it was, and on top there is a thin sheet of water, or milk or whatever.

Now, vary the method with another mess. Use a small implement sharpened at about the angle your lead pencil shows, and taking care to have the batch evenly spread, and not too thick, jab perseveringly at the mass and you will compact it much quicker and more closely than when you used the flat pressure. The birds' bills, wee chicks or big fowls considered, it makes no difference, have the lead pencil angle and there are such a great number of thrusts

that they will make a cake in a short time that is more solid than yours.

But why is it so hard for them to eat of compacted mash what they want, easily enough and fast enough to suit? For same reason, that your layers, or your young chicks, will never get as much as they ought to have by picking at whole, or halved, sweet potatoes, beets, turnips, mangles, kohl rabi, the hearts of cabbages or stems of rape. Any slight obstacle puts on a brake.

To prove that the foundation of the trouble is mechanical and not chemical or depending on taste or appetite, go to a flock that after eating the wet stuff a while have abandoned the mash box in disgust; break up the contents till it is in the same condition it was when first applied. Then go away and watch for what they will do.

Drive with a wagon over very loose, friable soil and a part will rise up when the wheel presses another part down, just as your flat implement operated. Drive repeatedly over a plot of soil, however loose, with a harrow, and after awhile the teeth will refuse to enter to amount to anything, and the harrow will travel on the tips of its toes to the amazement of the small boys. The soil compressor used in the Campbell system on thousands of farms in the arid districts has revolving discs with sharp edges and operates on the soil on same principles as bills of poultry do in the moist mash receptacle.

For about thirty years tamping ties on every railroad in the United States was done with a tool ending with a flat surface. But now the tamping tool is wedge-shaped on every road.

If any reader thinks that fowls are not as lazy as I have represented, when they have been given something which as regards its mechanical condition is different from what nature ever offered them, during the long ages while she was fashioning their beaks, to tongues, throats; then I ask him to observe with a field glass the behavior of all wild animals, birds or bipeds the same, and notice how persistently they will walk on smooth spots instead of stepping over even small obstacles, and how lazy all the movements are, hour after hour, of even such a bird as the ruffled grouse which when disturbed is all spring steel and boiled down lightning.

The additional time spent in dusting, when the material is easily accessible and soft as flour, compared with the time when the material is coarser is wonderful, and similarly, if the experiment is tried day after day, of loosening up a wet mash often, at a labor cost that of course makes the operation impracticable except for experimental purposes, the additional quantity eaten will be equally a matter of surprise.

How to Grow Prize-Winners

A Large Amount of Scientific Knowledge Not Necessary—Blood Lines and Special Care Are What Count.

By Chas. A. Simmonds, Camp Point, Ill.



COMPETITION at the shows of national reputation is very keen in all the popular varieties, and the blue ribbon winners represent the greatest skill in mating and growing to produce the type desired. Most anyone can produce good poultry, but it takes a true fancier to produce the best. A large amount of scientific knowledge is not necessary, in fact, it is a hindrance where one follows it without regard to circumstances and the individual needs of his flock. If one has a love for the work and is willing to give his birds careful, painstaking care everyday in the year, he will soon succeed in seeing his birds win in the hottest competition. Too many poultry men are inclined to place great importance on having large numbers to select from. The Foxhurst Farm won all four firsts (as well as other prizes) in the single classes in Black Orpingtons at Madison Square Garden this season, and the proprietor stated that they never raised over 300 birds. Surely this is proof conclusive that blood lines and special care are what count. In many cases the first prize bird, and occasionally all fine birds, in a winning pen are produced from a single setting of eggs purchased from a mating of high-class individuals of the best blood and properly mated to produce prize-winners.

The securing of eggs from high-class, vigorous individuals, properly mated, is the first step in producing prize-winners, but many other steps must be taken before the blue ribbon is landed. The proper mating of any variety is quite a study, but the beginner who does not understand it can purchase eggs from a properly mated pen at a very low price, considering the possibilities they contain. "Rightly hatched is half raised"—a remark frequently heard, which shows that breeders regard proper incubation as highly important. Rightly hatched is just the way a good broody hen will do it; however, if you will procure the best incubators, you can, with a little experience, hatch fine chicks in them. The chicks should be brooded in small flocks, not that large flocks are not successful, for they are really the salvation of the commercial poultryman's success, but the chicks will be a little more comfortable and will develop into better birds if the flocks are small. Fifteen to twenty chicks to the hen, or fifty to each colony house, will give the best results, and the coops and houses should be quite a distance from each other. You can save steps in caring for the chicks by having the houses in rows, or in one large circular row. It always pays to provide a good range



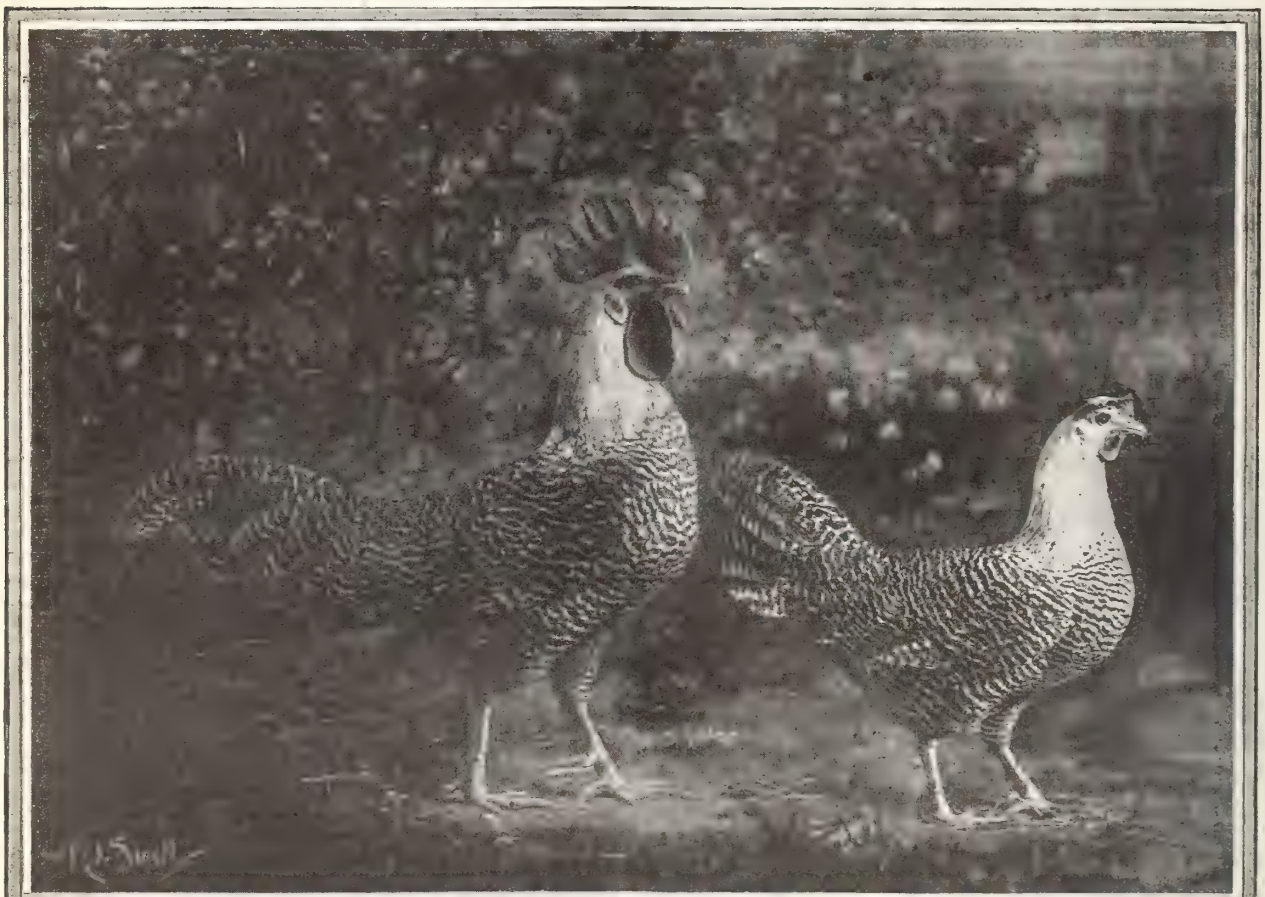
for growing chicks, no matter how well you feed, you cannot entirely overcome the disadvantage of a poor range. An

ideal range is an orchard, berry patch, or cornfield, adjoining a field of clover or rape. The chicks can always find tender green leaves in the clover or rape, even when other vegetation is dry and tough.

With artificial brooding, do not attempt to use fireless brooders for the first week or two, at least, and then not unless the weather is sufficiently warm to allow you to keep the chicks comfortable without depriving them of plenty of fresh air. If you use hens for brooding you will have lice to contend with regardless of advice to the contrary. One should begin to fight lice when the hen is set, and for mature birds, any of the ointments advertised are much more effective and easier applied than the old fashioned powders which must be dusted all over the birds to be effective. Even though the mother hen is apparently free from lice, when the chicks hatch it is best to grease their heads with melted lard, to which has been added about 3 per cent carbolic acid. If you fail to do this you will discover head lice on them before they are a week old.

After this, it is best to dust each chick with lice powder every two weeks, till they are old enough to use the ointment. The roosting quarters of the growing chicks should always be watched for red mites; these they bring off the grass, and some seasons they are a continuous nuisance, at other seasons they are conspicuous by their absence. When you notice any on the roosts you can easily kill them by washing the roosts, dropping boards, etc., with a good disinfecting solution, however. Kerosene, to which has been added about 10 per cent zenoleum, or other good stock dip, will be much more lasting in effect, saturating the wood and making it an unhealthy place for mites for some time to come. One can save himself much work in fighting lice and cleaning houses by giving all stock, except chicks under eight weeks old, out-door roosting quarters during the warmest weather. The last two seasons I have had all stock older than eight weeks roosting outside, without even a roof over them, during July and August, and I find they are brighter colored, larger and more vigorous than when I used to let them roost in the houses these months. Early in the season when it is necessary to house the chicks, great care should be exercised not to let them crowd. Nothing will retard growth and reduce vitality like crowding and sweating at night. Provide roosts as soon as the chicks desire to use them. If you feed properly and use flat-topped perches, you need not fear crooked breast bones.

Plenty of shade is essential to the health of the chicks during hot weather, and is necessary to keep the plumage color from fading at all seasons. Shade is especially necessary in growing buff and red varieties, and those required to have a green sheen to their feathers, these varieties should be raised in orchard, woods or berry patch where there is an abundance of shade all over the range.



CHAMPION SILVER CAMPINE COCKEREL, FIRST AT N.Y. FAIR N.Y. CITY, ALLENTOWN, HAGERSTOWN AND FREDERICK, 1913
SILVER CAMPINE PULLET, FIRST AT N.Y. FAIR N.Y. CITY AND AT FREDERICK, MD., 1913 BOTH OWNED AND SHOWN BY
DR. J. H. PRUDHOMME, THURMONT, MARYLAND.

The question of proper feed for growing chicks is one which cannot be hastily disposed of, as it varies with the breed and the conditions under which the chicks are being raised. The proper ration is not so much a question of analysis as it is of digestibility. It is very necessary to give the food in an appetizing form and keep the chicks' appetites good. To do this one must feed a good variety. Mixing a large number of ingredients in the dry mash does not give the birds a variety, not any more than pancakes made from a flour prepared from four different kinds of grain would make four different dishes on the breakfast table. However, a large number of ingredients in the mash generally make it more palatable as well as easier digested.

The first three or four days I feed nothing but bread made

of cornmeal, eggs and some milk. I then begin feeding a chick feed made of two parts fine cracked corn, two parts cracked wheat and one part steel cut oats, scattering in the litter, if chicks are confined, if on range feeding from an automatic feeder. I continue to give two or three feeds a day of the bread till the chicks are four weeks old, when I substitute Blatchford's Milk Mash, keeping it in a hopper or box where they can eat it when ever they want it, or feeding once a day as a wet mash. I generally use the dry mash for early chicks that must be confined, and the wet mash for chicks on the range. With most mash feeds I would not want to begin feeding dry mash before the chicks were about eight weeks old, but Blatchford's mashes contain a cooked milk substitute which renders them more digestible and prevents bowel trouble. When the chicks are six weeks old they can take whole wheat, and at three months whole oats may be used in place of hulled oats. For whole grains, wheat, cracked corn, kafir corn and oats are excellent and may be fed liberally, most other grains should only be fed in small quantities. I prefer automatic feeders for the grain, as the feed is always kept dry and clean, yet the birds can get it whenever they want it. I have used common dry mash hoppers for feeding whole grain to chicks, but find it a wasteful method, also the chicks over eat when the grain is always in sight. With the automatic feeders the grain is always out of sight, and the birds must exercise a little to get it. They seem to eat just the proper amount to make the most rapid development. With hand feeding I get best results by feeding the grain morning and afternoon and giving the mash at noon. The wet mash is fed rather sparingly, as the chicks can obtain tender green stuff and insects to balance up the whole grains. During hot weather the chicks spend the greater part of the day in the shade, but will range out in the early morning and evening if not waiting for feed, so feed them early and do not keep them waiting. I feed a great deal of buttermilk in warm weather and find it a great conditioner, keeping the appetite good, preventing bowel trouble and is very rich in bone and muscle making elements. Sour skimmed milk is nearly as good. Milk should never be used when sweet, but should be fed fresh clabbered. Sour milk is easier digested than sweet and the lactic acid helps digest mineral elements in the feed and rids the system of injurious bacteria. I would not try to get along without a little buttermilk during the warmest weather no matter how high in price. When I can secure enough I give it to the chicks to drink, otherwise I use it to moisten the mash food. Some very successful breeders feed mash only twice a week, or not at all, to young chicks, but I find a light feed of mash once a day helps wonderfully in securing a good steady growth, especially when the weather is dry and hot. Of course, if one has a wide range, only a few chicks and the grass is green and fresh, they will not require mash, but when the weather is dry, insects are correspondingly scarce, and when clover or grass dries much of the nourishment is lost, turning to indigestible fibre. I have recently sown clover seed in the apple orchard and will fence it in with poultry netting. When I notice a prospective prize winner I will place it in this new yard where conditions are ideal and I can watch its development and give it the best of care. These birds will get stale bread, soaked in milk, table scraps and other tid-bits, too expensive to feed the main flock. Cared for in this way they will make a steady, rapid growth, will have brilliant colored plumage, be well proportioned, vigorous and not frightened by the appearance of strangers. About the only extra conditioning they will require will be a little coop training, and in the case of white fowls, washing before being placed on exhibition.

Starting a Mail Order Egg Farm

Developing a New Branch of Egg Farming—New-Laid Eggs Direct from Farm to Consumer by Parcel Post—Buying Public Still a Bit Slow to Take Advantage of Opportunity.

By Prince T. Woods, M. D.



EDUCATING the public is a slow and often difficult task, as many a poultry keeper has found to his cost. It takes time and real effort to change market conditions and to create a demand, even for a really superior quality article at a fair price. Most of us are decidedly "from Missouri" and have to be shown, and many of us have to be shown at the producer's expense, or, at least, at no cost to ourselves.

You can talk, preach and write for a long, long time, without convincing those you address, and unless you give them an actual demonstration that they can see and experience you won't convince many, and some "convinced against their will remain to be convicted still." Try it out on some friend you know pretty well. Choose a subject with which you are quite familiar and of which he is ignorant. Try to make your verbal demonstration concise and to the point, and note the results. Watch the blank look of incredulity grow on your friend's face. Note how he assumes a "what-you-givin'-us," "you-can't-stuff-me" expression, and after you're done talking you will find that, though he may not dispute you, he entertains grave doubts concerning your statements, has formed, or still holds to, his own conviction, or at all events you have not succeeded in convincing him so that it will last. All folks are queer but thee and me, and sometimes methinks thee may be a bit queer—and that's the way of human kind.

Some folks will spend perfectly good money for poor food and imagine themselves satisfied with their purchase, but that is because they don't know any better. Give them experience with a really superior article and watch their taste grow for the better quality. We once had a friend with whom we took noon-day lunch in a restaurant of well-known excellence for many weeks. During most of that time the entire gamut of the bill of fare, so far as he was concerned, was pea soup, corn-beef hash, baked beans and a cup custard. One day he confided to us that he didn't think much of the food in that eating house, and guessed he'd change to some other place; we persuaded him to dine there again and to let us do the ordering at our own expense, and we did. It was a long session and it opened up a new vista for him in the gastronomic line. We were in that restaurant a short time ago and met him—after twenty years he is still lunching there, believes it the best place ever, but his appreciation of the menu is more extensive and we believe that early practical demonstration of ours had much to do with his development. "There's none so blind as those who won't see." The public won't see quality in your goods until you show them; telling will help, but one good practical show down will have a more lasting effect.

A well-known public man once said: "There is one thing that tastes the same throughout the country, from the Atlantic to the Pacific, and that's an egg." He was quite a globe trotter, too. He either had no taste at all, or else was in the habit of consuming uniformly poor eggs. There is a wide difference in the quality of eggs, and in the taste of eggs. The saying, "Eggs is eggs," was born of dense ignorance of eggs.

The manner of keeping and feeding the hens, the kind and quality of the food, and the care of the eggs after they are laid, all affect the quality and taste of the eggs. We had city friends with us for the week-end several times this winter and on Sunday morning one of them said: "These eggs don't taste like the ones we get at home;

they're so good I don't know when I've had enough. Why is it?'' We replied that it was because of the food and care, as well as the new-laidness. In the conversation which followed it developed that our friend was paying 50 cents a dozen for strictly new-laid eggs from a near-by poultryman. The eggs were fresh, clean and full-meated, but all had an unpleasant taste when compared with our home product. Our friend took home all the eggs he could carry when he went back to the city, and later on wrote us that he had found out what was wrong with his poultryman's eggs: the hens were fed considerable swill and little or no green food. Now he has changed his source of supply and gets eggs of better quality.

Food Influences Quality of Eggs.

Food has a great deal of influence on the taste and quality of eggs, so does the health of the fowls. Tainted food and foods with strong odors will often spoil the taste of eggs. An abundance of green food helps to offset the effect of strong flavored foodstuffs and to improve the



quality of the eggs. The use of medicines in food or drinking water will often spoil the taste of eggs and may affect the color of the yolk. Eggs from hens affected with roupy colds, or with vent gleet, are almost certain to have a foul or fishy odor and taste. First quality eggs can only be had from healthy, well-kept, well-fed hens, and such eggs must be kept in a clean, cool place, away from all strong odors, if they are to keep their quality and good taste.

A few years ago a Massachusetts egg farm, selling all its eggs through a local dealer having a select private trade, made a radical change in the ration of the layers, introducing a quantity of cottonseed meal into the dry mash. The dealer had no knowledge of any change in the quality of the eggs and was surprised to have a number of his best customers complain of the taste of the eggs, and one of them also told him that she noticed, on poaching and frying the eggs, that there seemed to be an oily ring around the yolk and that the eggs did not taste right. He couldn't understand it and told her that she was getting strictly fresh eggs from the same farm she had always had them. She insisted that the eggs were different and said she would have no more of them and finally clinched her argument by cooking some sample eggs to show him the fault. The dealer saw the point and made a trip, post haste, to the farm to find out what could be wrong. The only change which had been made in the care of the layers was the use of cottonseed meal, and that was blamed for the trouble. The egg farmer cut out the cottonseed and returned to the old ration and there were no more complaints. That will serve as a practical illustration of the care which must be observed on an egg farm where quality eggs are to be produced.

There are a great many people to whom an egg is an egg, and who believes that if an egg is fresh laid that that fact alone means that the egg is of first quality. The only way that they will ever find out the difference in taste and quality of new laid eggs is by being shown. Give them a chance to compare the taste and flavor of real quality eggs with the sort to which they have been accustomed. There are a great many poultrymen who fail to understand that there is a wide difference between a well-made, well-fed fresh egg and a poorly-made, poorly-fed fresh egg. Every ripe orange isn't a good, sweet-flavored orange, as, no doubt, you have found out before this. Some oranges sell for 20 cents a dozen and are not worth any more than that, and some sell for 60 cents a dozen that are worth five times as much as the cheaper sort. Some new-laid eggs are dear at 20 cents a dozen, and some are cheap at 60 cents a dozen; it is a matter of purity, quality and good flavor. Make it a point to produce the big-value, best quality kind of new-laid eggs, and insist on getting a good price for good goods, but don't fail to make a practical demonstration of quality with samples of your product. To educate the public you must show them. To show them costs money, takes time and patience, as well as persistence.

Mail-Order Egg Farm.

The mail-order egg farms in a few years will supply first quality new laid eggs to thousands of city dwellers who now have to buy stale and inferior goods, but it is going to be up hill work getting such business started. Two years ago, J. G. McCarthy, started a mail-order egg farm business in Clifton, Illinois. He is handicapped by operating in what has always been a cheap egg country until recently. In such a location it will take longer to educate the buying public, but persistence and the pushing of best quality produce will eventually win. Mr. McCarthy had a man canvass the best residential district in Chicago and distribute about 3,000 circulars, advertising his egg farm, but did not receive an inquiry. We believe the circular should have accompanied a free sample of his quality eggs and that it might then have brought results. The circular is worth reproducing, here is the first page:

EVERY EGG SHELL DOES NOT CONTAIN AN EGG!

If you don't believe it don't read this circular

J. G. McCARTHY
Mail Order Egg Farm
Route 2 CLIFTON, ILL.

The remaining three pages of the circular contained the following:

''My Story''

''Your grocer sells you what he calls 'Fresh Eggs,' yet ninety per cent of them are from three to six weeks old or older. His source of supply is the grain farmer, on whose range you will find, ninety-nine times out of a hundred, wood water fountains that the hens drink from that contain typhoid and other dangerous germs—and nearly seventy per cent of an egg is water. You can imagine the results of eating such eggs, yet they have shells and look the same as the eggs from hens that are surrounded by every sanitary device and convenience.

"The above true statement is plenty of reason why you should think twice before you eat an egg, and three times before you buy what are represented to you as 'Fresh Eggs.'

"I am a poultry farmer and offer newly laid, guaranteed, infertile, fresh eggs, shipped direct to the consumer as needed, at little above what the city people pay for Mr. Grocer's so-called A-1 fresh eggs that are shipped in by the country shippers.

"The difference between the shipper's fresh eggs and the commercial egg farmer's eggs are: The country shippers gather eggs from a surrounding community of farmers as they see fit to bring in half a case which most times, in the winter months, takes two to six weeks; in fact, I know of some farmers, with poorly fed flocks, whom it has taken ten weeks to collect twelve dozen eggs, yet these were sold by Mr. Grocer as 'strictly fresh eggs.'

"The shipper has to hold these small collections until he has enough for a shipment, then he ships to the commission merchant, and he sometimes has them a week or more before sold to Mr. Grocer.

"Mr. Grocer now has 'strictly fresh eggs' direct from the country, six weeks old or older.

"You have bought the best you could up to the present time, but now I am making a clear way for you to get the best eggs produced.

"I book your order, gather your eggs, ship direct, no holding over, from here to the consumer. These eggs are produced by chickens with no cocks in the pens, where everything is clean, the fowls in fine condition, well fed with good, wholesome foods, a supply of fresh water always at hand, and not the taint of the dung pile.

"In extreme cases the flavor and odor of the feed have been imparted to the eggs, onions have been fed in sufficient quantity to bring about this effect. Feeds of high and objectionable flavor should not be fed by those who desire to produce a first-class article. Therefore, good goods cannot be cheaply produced.

"You also realize that it is more difficult to get fresh eggs in summer than in winter, because of the extreme heat and the broody hens sitting on them. This affects the eggs, and unless the farmer gives them his entire attention, gathers often and ships direct to the consumer, it cannot be a fresh egg on your table.

Prices

"I will ship, prepaid, twelve dozen of my guaranteed fresh eggs at fifty cents the dozen; or I will ship one or two dozen by parcel post at sixty cents the dozen. I will also contract for your year's supply of fresh eggs to be shipped as needed: Twelve dozen, express prepaid, at forty cents the dozen; parcel post, one or two dozen, fifty cents the dozen.

Terms

"Cash with order without exception, as this is the only way a business of this kind can be carried on without a loss. Yearly contracts can be paid a month, three or six months, or a year in advance, as desired.

"Remember, I pay the transportation charges.

"You may have some doubts in regard to my proposition. It will only cost you sixty cents to prove that what I say about my eggs is true, and just one trial is all I need to add you to my long list of permanent, satisfied customers.

"The quicker you let me have your order, the quicker your digestion will be relieved from swallowing shell contents full of germs. Leave it to me to take care of prompt shipments, that's my business."

Why Circular Did Not Bring Business.

The above quoted circular is interesting, but more so to a poultryman than to a prospective customer and consumer. It would have been better to omit most of the talk about germs. (We will have more to say about germs in eggs in another column.) Also, a good deal of the other "educational" matter might well have been left out of the circular and more attention given to telling that the Mail Order Farm had finest quality, finest flavored, guaranteed new laid eggs for sale direct to consumers from healthy fowls, well fed on wholesome foods and kept under modern sanitary conditions. Instead of directly "knocking" the "fresh eggs" of "Mr. Grocer," which it is assumed the family had been using for some time, it would have been better to boost the quality and excellence of the Mail Order Farm's product in an effort to induce Mr. Customer to try a sample and find out for himself how superior these new laid eggs direct from producer really were to anything he had had before.

However, that does not explain why the circular failed to draw inquiries. The fact is that the printed circular, unless unusually attractive, seldom gets much business. Most of them are thrown aside, unread, very few ever reach the prospective customer for a reading. Of the 3,000 circulars distributed in Chicago's residential district, it is doubtful if twenty-five of them ever reached the prospective customer for a reading and consideration. A personal letter would have had more appeal, but now-a-days, circular letters are more often waste-basketed than read.

Wealthy residents are difficult for the egg farmer to reach with an appeal for trial of his quality goods. Most



of them and most hotels and clubs buy through the cook or other agent. The agent buys where he gets a "rake off" or petty graft (politely known as a "commission") on all purchases. Of course, there are exceptions, but this is the rule. You have to get in touch with the cook or agent usually before you can supply the house with goods.

Then, too, the "wealthy classes" are not always the best buyers. Witness the opening of Chicago's municipal store, early in March, where groceries were to be supplied at cost to the needy poor and where wealthy and well-to-do persons (according to newspaper dispatches) fought and scrambled with the poor customers in an attempt to buy groceries at cost, until challenged by the clerks and refused supplies because they were unable to produce cards signed by the County Agent. As a rule "middle-class" folks are the best buyers and the best spenders.

How, then, is the mail order farm going to get business? One way is to get publicity by furnishing the newspapers with attractive writeups and photographs of the farm. Do a good deal of press agent work, and it is surprising how much the press will use about a poultry farm even though it does not advertise. Also carry a well-worded advertisement of your goods in some daily paper which reaches the people you wish to secure as customers. Look over the

ground well and select a likely district, make up a list from the directory, and canvass every householder by personal letter in an effort to get them to try your product and compare with what they are now using. Offer the sample at same price, for trial only, as they now pay and state why the goods are of superior quality, and the regular price in case they are sufficiently well pleased to wish to continue use of your product.

If the egg farm is on a well-used public highway or automobile road, prepare a good-sized bulletin blackboard, attractively prepared and placed to be read from the road, and on this advertise your goods, their quality and the prices daily. Once get an automobile trade established at the door of your farm and it will keep you busy supplying the demand. Study the market conditions and the buyers in your particular location and strive to get in touch with them to demonstrate the value of your goods and then work hard to hold your customers by fair and square dealing, honest prices, first quality goods, and always attractively packed. Honest goods at honest prices will advertise themselves, once you get them started, and pleased customers will bring you other customers. Pay more attention to producing and delivering the very finest quality produced and less to educating the public by talk or print, and soon you will find that your quality goods, attractively offered for sale, will educate customers for you and bring you new business.

Push and Pluck With Perseverance Will Win.

From our correspondence with Mr. McCarthy we believe he has the push, pluck and perseverance that are necessary in order to win in any new business enterprise. The mail order egg farm is a new thing, but it ought to develop wonderfully in the next few years. He writes us: "The mail order egg farm is like the mail order business houses of the large cities in their infant days; the public are very slow to grasp the opportunity of getting newly laid, well-fed eggs, or else they consider my prices extravagant ones for just eggs and they do not like to separate themselves from their money.

"I have strived for two years with little headway. It is not very encouraging, but I never intend to give up my endeavor to establish this mail order egg business. The parcel post egg shipping in one or two dozen boxes is a success as far as arriving in good condition at destination. Shipping a one dozen parcel post egg box to Chicago costs me 12 cents, covering all expenses. I intend to stick to this and to establish a mail order trade. In the mean time I have a good market for all of the eggs I produce, selling to large hotels, and my supply of eggs is below my orders.

"I consider that the first and most essential thing for the beginner with poultry is the American Poultry Journal. I have found it full of helpful information and a guide to the purchase of the best supplies. I have abundant confidence in my enterprise, but I do not feel that I have yet fully proved myself. If I win in this business I can safely say that American Poultry Journal has been the channel through which I sailed to success. When I have had more experience in developing this mail order egg farm business I hope to be able to tell you all about it and also the cost of producing and delivering a dozen eggs direct to the consumer."

Successful Method of Brooding Chicks

Much Depends on Quality of Stock Put Into the Brooder.

By Eugene Hodges



"FOR more than three years I've been raising white Leghorn pullets, and selling them at three months old for $8 per dozen," says J. M. Sutherland, of Sonoma county, California. "The way I used to do it, not over 75% to 80% of chicks would mature; but I've been experimenting and watching results and dissecting dead chickens until I think I know what I'm about now, as well as anybody. People think they are doing extra well if 80% of their chicks mature, but I raise 90% and more of all I put into the brooders."

Mr. Sutherland has no difficulty in disposing of all he raises. People come after them, wanting 1,000 or more at one time. One man recently wanted to contract for all he could raise at $7.50, but he could not supply the demand at $8 per dozen. The hardest part of his work is to get enough chickens to supply the demand at his door.

Here is the story in his own words:

"I have three brooder houses with a capacity of 6,000 chicks every ten weeks. For three years I bought day-old chicks from the hatcheries in town, but they did not give satisfaction, and now I hatch the eggs from my own flock at about a third of the cost and get stronger chicks. A great deal of success depends on the stock you put into the brooder. No egg from a pullet under a year old should ever be set. Such eggs hatch all right, but those that live after three weeks will be runty. Eggs should be selected for typical shape. Chicks from a round blunt egg will be 'sawed off' behind. Those from eggs with a humped up band around the shell are usually deformed.

"My own laying stock, all over a year old, furnishes all the eggs I hatch. I market every egg that is undersized, too large, or off shape. Twenty-one hundred and sixty are put at one time into my four incubators, and at least 1,500 hatch into good strong chicks. All the weak ones are killed on the spot to save feed.

"Enough eggs always test out to leave the front row next to the window empty. The metal strip they rest on is removed so that when the chicks are hatched they come



toward the light and drop into the nursery below. They should not be touched till they are dry. After the first 46 hours the babies are fed good, dry rolled oats for three days. They get as much every three hours, five times a day, as



they will clean up in 15 minutes. Then they get a dry mash, fed morning and noon, as much as they will eat. This is composed of equal parts of bran, shorts, granulated corn, charcoal, and meat scraps sifted through a fine sieve. Ordinary meat scraps contain a great deal of wool and long meat fibers. Unless these are removed they ball up inside the chick and death by fits is the result.

"Grits, shells, and ground green bone are kept by them all the time. In the evening before they get sleepy, they are fed a mixture principally of cracked corn and wheat with perhaps 5% millet seed, some hemp, and about 2% chopped flax seed.

"All this time after they are ten days old they are getting all the greens they will work for. I don't believe in cutting the greens because that bruises them and the bruised part soon gets bad. I hang up tender kale by a string so they can peck at it; and that way they eat much more.

"By drilling kale seed thickly in rows, I get the plants for food a month earlier. There are 300,000 plants in my unused chicken pen, four inches high by the middle of May. The kale is pulled as fast as they will eat it, leaving the plants at proper distances for future growth. Kale furnishes all the salt they need. Cabbage not quite so much. I used to add salt to the food, but not any more.

"This second period of feeding lasts until they are six weeks old. By that time they have passed the third critical period of their lives, their heads being feathered. The first critical period, when many die, is at five days of age. The second is at 15 days.

"The third feeding period continues until they are ready to sell at three months old. They are gradually worked out of the more expensive ground and cracked foods, into whole grain as fast as the stock will permit.

"I have never fed pepper or other dope; and never give medicine. My hospital is a stove where all the sick ones are burned before they have a chance to spread contagion.

"Fresh water has been supplied by dripping faucets and has been kept clean by a board cover to the trough, supported on lattice work.

"At about ten weeks they are transferred to other yards to make room for the next brood, which is the third hatched since they were.

"But the food is not the strongest point of my system. Pure air and regular heat evenly distributed throughout the hover are necessities to which ordinary brooder chicks are strangers.

"These are automatically supplied evenly to every part of my hovers. A boiler in a lean-to at the end of each brooder house is heated by a distillate oil burner. A pipe runs from the boiler into the building under the full length of the hover and back to the boiler. The hover is 24 feet long and three feet wide. The pipe runs through it six inches from one edge and returns six inches from the other, thus securing an even distribution of heat. A thermostat regulates the fire and an electric alarm gives warning if all other precautions should fail. In any event, the hot water would not allow the hover to cool off as suddenly as the hot air system.

"A separate pipe for fresh air opening from out doors expands into a jacket over the boiler and runs into the house under the full length of the middle of the hover about eight inches above the floor. The first third of the distance, there are two openings every foot of the pipe; the next third the holes are closer together and in the rest they are only four inches part, to compensate for the reduced pressure. When the boiler is hot, the air over it ascends into the hover pipe and out through the openings, continually supplying fresh, warm air to every part of the hover without making any draft on the chicks. No gas can possibly get from the stove into the brooder; and the characteristic foul smell of such buildings is entirely absent, due to the constant change of air."



John S. Martin, Port Dover, Ont., Can., has won an enviable reputation as a breeder of some of the choicest White Wyandottes in existence today. His strain possess an individuality truly Wyandotte in conformation. They are neither too coarse nor too fine in the various sections, but possess the refined qualities which have set the fashion in recent years. The cockerel in the above picture is a good example of a high class specimen, despite the fact that the picture was taken during the fall season, when most specimens lack full maturity.—A. O. Schilling.

Uncle Sam's Experiments with Poultry

Much Interesting Experimental Work Is Being Done at the Government Poultry Farm, Beltsville, Maryland, But Unlike Some State Stations, There Will Be No Undue Haste in Publishing Immature Results—Uncle Sam Intends to Know and Be Able to Prove Things Before Getting Into Print—Good Work!

By Prince T. Woods, M. D.



WE RECENTLY had an interesting interview with Harry M. Lamon, Senior Animal Husbandman in Poultry Investigations, Bureau of Animal Industry, United States Department of Agriculture. As we have said before, in these columns, he is one of the real "live wires" in government experimental poultry work, and is in charge of the National Government's Experimental Poultry Farm at Beltsville, Maryland, a suburb of Washington, D. C.

We called Mr. Lamon's attention to some of the spectacular publicity work being done by those in charge of some of our State Experimental Stations, especially some of the recent Sunday magazine stunts in newspaper syndicate write-ups. "Harry" grinned, but had nothing to say. Then we asked him for details about the work on the Government Farm. He said:

"I appreciate very much the interest you take in the work we are doing at the farm, and am only too glad to give you what detailed information I can, but you must remember that I do not feel that we should give out results of the work already done that might possibly be open to criticism."

That "listened good" to us, after the mad scramble for any old kind of publicity, half-baked bulletins and newspaper articles we had noted from some state poultry departments. We were glad to learn that Uncle Sam's poultry husbandrymen intend to know and be able to prove things first, instead of rushing into print with immature results. There is time enough to summarize and print conclusions based on experiments after the work is mature and has been in operation long enough to definitely prove something.

Mr. Lamon said: "At the present time we have nine pens, of thirty birds each, on different rations; some being mixed varieties, and others containing only one breed. The purpose of these experiments is to determine the cost of producing eggs, the average number of eggs produced by these flocks, the age at which the average flock becomes unprofitable, and considerable other information that will be of value to the average poultryman. Some of these pens are on free range, being handled and cared for as near the actual farm conditions as possible, while others are yarded and conditions made similar to those with which the suburban poultryman has to contend; some contain male birds for the purpose of determining what influence the male bird has, if any, on the egg yield.

"The rations which these birds receive contain grains that are available on nearly all farms of the country, or for which a substitute can readily be had, as it is our idea to determine as nearly as possible what results can be obtained with simple, inexpensive rations, rather than with the more expensive foods. So far the results obtained, I am sure, will be of considerable interest to the poultrymen of the country, but as these experiments have only been conducted a little over a year, we do not feel justified in making public the results at this time.



Photo No. 2—Chick-feeding frames in use on U. S. Government Poultry Farm, Beltsville, Maryland, to prevent older birds getting the food intended for the smaller chicks.

"In several pens in our long poultry houses, we have divided into groups of ten, eighty females that we are trapnesting and breeding to see whether or not they will transmit their egg-laying qualities to their offspring. This is a work that will take considerable time to secure definite results, but I believe one that will be of considerable value to the egg producers of the country. Of course, along with this egg-breeding work there are considerable other data that we are securing. These birds are being fed on very simple rations.

"For the past two years we have been carrying on special experiments in breeding for the purpose of determining, among other things, what influence in-breeding has upon the size, health, and egg-producing qualities of the resultant flock. It will be some time before these experiments are sufficiently mature to warrant publishing the results.

"We are also making a single mating of Barred Plymouth Rocks for the purpose of determining to what degree of excellence males and females of this breed can be secured from such mating.

"Then there are our pens from which we secure our breeding stock, composed of strictly Standard-bred specimens. These pens are made up of Barred Plymouth Rocks, White Plymouth Rocks, White Wyandottes, Rhode Island Reds, Buff Orpingtons, White Leghorns and Buff Leghorns. These special breeding pens are all made up of the best quality Standard-bred stock of some of the best blood in the country.

"In the spring careful records are kept of all work in incubation and brooding, both for artificial and natural methods. There is a whole lot to be learned about the successful handling of sitting hens, which, if known to the average farmer, would assist materially in increasing the output of poultry on the farms of the country. Our sole scheme in our work at the poultry farm is to conduct it along as practical lines as possible, so that when the results obtained are made public, they will be of value to anyone who is a producer of poultry and eggs in this country."

From this interview it is plain that Mr. Lamon and his able assistants have undertaken a big and good work in behalf of the poultry interests of the country and that our Uncle Sam intends to make his poultry experimental work thorough and worth while before making the results public. We are glad to be able to make this report of progress for the work on the government farm and we are glad, too, that the glamor of publicity held no inducements for Mr. Lamon to disclose to us for publication the results thus far obtained in the poultry experiments.



Photo No. 1—Colony house in use at U. S. Government Poultry Farm, Beltsville, Maryland.



Photo No. 3—A fine view of the woodland yards used for growing cockerels at U. S. Government Poultry Farm, Beltsville, Maryland.

The U. S. Government Poultry Farm at Beltsville, Maryland, is well located, contains some most attractive woodland for poultry growing, and has many other attractions besides poultry. With this article we present three interesting photographic views taken on Uncle Sam's poultry plant.

$7.16 Profit Per Hen in Laying Contest

Winning Pen Makes Above Less Cost of Labor. Poorest Hen Hardly Pays Cost of Feed. Missouri Pen of Buff Orpingtons Wins for February. Two Leading Hens Tie and Average 25 Eggs Each for Three Months. Hatch Early.



IF pullets are intended for an egg laying contest or are expected to be good winter layers, they must be hatched reasonably early. This applies to all varieties. If you can so arrange your hatches so the pullets will mature and begin to lay in October and November, they will continue throughout the winter as a rule. This has been our experience with our own stock and with those entered in the egg laying contests for the past three years. If your pullets are going to win or make a creditable record they must lay some winter eggs and if they don't begin to lay in October or November the chances are they will not lay much until towards spring. Some may, but the majority will not. If your pullets are to lay eggs in winter when eggs are highest, they must be hatched early. A pen that lays well in fall and winter will net you more profit than one that lays most of its eggs in spring and summer when eggs are cheapest. If you intend to enter any stock in a laying contest next fall, you had better hatch a few pullets at once if you have not already done so. This Experiment Station expects to hatch all of its chickens before April first, and hatched over 4,000 youngsters in January and February this year and the percent of mortality has been very low. One of the best Leghorn farms in this country never hatches anything after April 15th. If you intend to raise poultry, it behooves you to try to get all out of it that there is in it. If you are not equipped to hatch a few early chickens it will pay you to purchase a 120-egg or larger incubator and brooder. The best time to hatch Plymouth Rocks, Wyandottes, Orpingtons, Reds, Langshans, and similar varieties is in January, February, March and April. The best time for Leghorns, Anconas, Campines, and such varieties is March and April. This is especially true if you want to win at the fall fairs and shows, and expect many winter eggs.

A Missouri pen carried off the honors in the egg-laying contest this month. It was a Springfield, Mo., pen No. 32, Buff Orpingtons, and laid 205 eggs. The pen of White Leghorns from England still leads all others by 109 eggs. The highest individual record thus far has been made by a White Wyandotte from Pennsylvania and a Buff Rock from Missouri, each laying 74 eggs. The average for all hens for the entire three months is 29 eggs. The two leading hens have laid nearly three times as many eggs as the average hen in this contest and have laid as many eggs in the three winter months as the average Missouri farm hen lays in a whole year. The total number of eggs laid by the 1,040 hens this month was 12,391, which makes a grand total of 29,613 eggs for December, January and February.

In order that you may have some idea as to what the hens have done for the past three years, we give below their averages for this time:

Year	Dec.	Jan.	Feb.	Total Average
1911.....	8	5	10	23 eggs per hen
1912.....	8	10	12	30 eggs per hen
1913.....	7	10	12	29 eggs per hen

The low average of five eggs per hen in January, 1912, was caused by the unusually hard winter we had at that time. The reason the average was less in December, 1913, than in previous years was because of the fact that the last contest started in December and the hens were not accustomed to their quarters, change of feed, and climate. Some of the foreign birds did not arrive until late in the month. The average for January and February the last two years has been the same. If you can nearly double your flock and still keep up your average, you are making some progress.

Cost of Feeding Laying Hens

The hens in the last contest laid about twelve dozen eggs each on the average which, if sold for 25c per dozen, equals $3. The hens ate about 33 pounds of grain each and about 38 pounds of dry mash. The feed cost on the average about 2c per pound. This made the cost of feeding each hen approximately $1.42. This left a profit of $1.58 per hen to pay the expense of labor and other expense incurred. Twenty-five cents per dozen is a very conservative price to put on selected and guaranteed strictly fresh eggs. The best pen of hens laid 2,073, or an average per hen of 17¼ dozen, at 25c, equals $4.31, or at 50c per dozen would have equaled $8.62 per hen. Each of these hens ate $1.46 worth of feed, which left a profit of $2.85 at a low estimate, or a profit of $7.16 per hen if the eggs had sold at 50c per dozen. The poorest pen in the contest just laid enough eggs to pay for their feed and left nothing to apply on labor. There are many such hens in existence. One-half of the hens in existence are kept at a loss. How to make them profitable is the problem.

The best record made thus far by representatives from the different countries is as follows:

	Eggs
White Leghorns made best English record	610
Buff Orpingtons made best United States record	501
S. C. Reds made best Missouri record	466
White Leghorns made best New Zealand record	341
" " " " Vancouver Island record	322
" " " " British Columbia record	309
" Wyandottes made best Ontario record	301
" Leghorns made best Australian record	278
" " " " South African record	216



An unretouched photograph of a first prize Bronze Turkey hen at Madison Square Garden, 1913, showing the perfect bronze bands, penciling and snow white edging. Bred and exhibited by Bird Bros., of Meyersdale, Pa.

The poor showing made by some of the foreign pens is due entirely to the poor condition of the pens at the time they were received, caused by the hardship and length of



time in shipping and the severe changes in climatic conditions. One of the New Zealand pens had to be removed from the contest, and all suffered greatly. The same was true with the Australian and South African pens. It is only justice to them that we make this explanation.

National Egg Laying Contest.

The 600 hens in this section of the contest have made the highest average per hen thus far of any of the contests for the past three years. They laid 8,187 eggs and their average per hen for the three months was 33 eggs each.

The ten highest pens in this test are as follows:

Pen		Eggs
0	S. S. White Leghorns, England	610
36	Buff Orpingtons, Texas	501
47	S. C. Reds, Missouri	466
5	Anconas, Missouri	443
34	White Orpingtons, Ohio	434
1	Buff Leghorns, Missouri	433
38	White Orpingtons, Pennsylvania	429
24	White Wyandottes, England	421
55	Buff Plymouth Rocks, Pennsylvania	419
51	White Plymouth Rocks, Arkansas	409

White Wyandotte hen No. 181 from Pennsylvania was one egg ahead of Buff Rock hen No. 524 from Missouri last month. This month they tied with 74 eggs each to their credit or an average or nearly 25 eggs each for the first three months.

National Utility Contest.

The 160 hens in this test laid 1,908 eggs or an average of nearly 11 eggs per hen. These hens made a big gain this month over what they did in previous months. They laid more eggs in 28 days in February than they did in both December and January combined. The ten highest pens in this experiment are as follows:

Pen		Eggs
92	S. C. Reds, Pennsylvania	433
86	Barred Plymouth Rocks, Michigan	372
95	S. C. Reds, New Hampshire	293
85	Barred Plymouth Rocks, Texas	287
88	White Orpingtons, Kentucky	247
99	White Wyandottes, Arkansas	230
94	S. C. Reds, Ohio	230
90	White Orpingtons, Missouri	228
93	S. C. Reds, New York	225
89	White Orpingtons, Missouri	194

White Orpington hen No. 888 from Kentucky has laid 63 eggs and made highest record for this test. Hen 929, S. C. Red from Pennsylvania, is second with 61 eggs to her credit.

National S. C. White Leghorn Contest.

At the close of the month these hens were laying on the average about 50% production, or the 280 hens were laying about 140 eggs per day. At this rate they will lay nearly as many eggs in March as in the three previous months. The Leghorns have been a mystery. They have bright red combs, are active and happy, have consumed a lot of feed, but have never laid as they should. The same has been true with all Leghorns for the past three years during our winter months. The English pen has been the exception. Most of the Leghorns moulted this winter and four pens of foreign Leghorns were immature and just now ready to lay. We expect the Leghorns to lay from now on while the other larger breeds are broody. These hens laid 2,296 eggs in February, or an average of over 8 eggs per hen. The ten highest pens in this experiment are as follows:

Pen		Eggs
79	S. C. White Leghorns, Pennsylvania	414
70	" " " " Missouri	355
65	" " " " "	354
77	" " " " Vancouver Island	322
69	" " " " Kentucky	315
61	" " " " Nebraska	311
64	" " " " British Columbia	309
71	" " " " Missouri	290
67	" " " " "	258
80	" " " " "	250

The highest individual record in this experiment was made



First Hen Chicago Coliseum Show, December, 1913 Bred and Owned by Flanders' White Leghorn Farms, Orchard Lake, Mich.

by a Leghorn pullet, No. 702, from Missouri, and she has laid 59 eggs to date. Hen No. 611 from Nebraska is second with 58 eggs to her credit.

EDITORIAL

WE LEAD
OTHERS FOLLOW

65,000 A. P. J.'s for APRIL, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the April, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of March, 1913.
(Seal) HENRY G. EISERT,
Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

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Look at the address on your wrapper. See that it is absolutely correct and notify us of any mistake, no matter how slight. Note the expiration date which appears thereon, as American Poultry Journal stops with the issue marked on your wrapper.

If you change your address give both your old and new address as well as your subscription number when notifying us of the change.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

VOTE FOR CHICAGO.

Chicago is making preparation to royally entertain the American Poultry Association next August and asks all the members to vote to hold the next annual convention in that city.

Foreign Eggs Should Be Labeled.

Several trade journals appear disposed to scoff at the efforts of California poultrymen to secure some protection against cheap foreign and particularly Chinese eggs.

One paper published in the interests of the packers, shippers and dealers does not believe that Chinese hens are kept under any more filthy conditions than are found on some farms in this country and pooh-poohs at the possibility of any eggs from China being contaminated with germs so long as the shells are whole. "Where ignorance is bliss, 'tis folly to be wise." Competent bacteriologists examining so-called fresh eggs have found dangerous micro-organisms in from 2% to 9.5% of the eggs examined. We shall be interested to learn what laboratory tests show as a result of investigating Chinese eggs.

The *Pacific Fanciers Monthly* says editorially that Chinese eggs cost an average of 8 cents a dozen in China; that they can be landed in California at a total cost of 14 cents a dozen; also that the eggs are not fresh and are from hens kept under the most revolting conditions. We quote the following from Mr. Harker's editorial:

"Wm. J. Bryan, in his world-wide travels, apparently had an opportunity to see what the Chinese hens ate and how they are kept, for he said that there was but one country in the world where he never called for eggs at his meals and that country was China."

Mr. Harker also says: "Importers should be compelled to stamp each and every egg 'laid in China,' and that would settle it, for most consumers."

In our March editorial on Chinese eggs, we said: "The sale of foreign eggs should only be permitted when the goods are duly labeled as to source of the importation and the date of same."

Many of our states now have a law requiring that all cold storage eggs shall be conspicuously labeled "cold storage eggs" as a protection for the innocent buyer and housewife. It is only reasonable to demand that all foreign eggs be conspicuously labeled as to source of the eggs and the age of same, for the same protection of the buyer. If this is not done our rapacious trade interests will be trying to palm off stale and possibly germ-laden Chinese eggs on the suffering public at fancy prices as a strictly fresh" article.

Trade journals are right that there are some farms in this country where sanitary conditions are not observed and where the fowls live in and feed on filth. We have seen fowls scratching on farm dung heaps, where such piles have been the only burying place of dead animals and human excrement; and any one who knows hens knows that they will gobble greedily all carrion and human excrement they can get. Fortunately such conditions in this country are becoming the exception and not the rule. In China we understand that sanitary and cleanly conditions of poultry keeping are the exception.

The modern egg farmer of the United States, with a modern sanitary, cleanly plant; healthy hens fed on wholesome food and cared for under wholesome surroundings, should not be obliged to compete without protection against the eggs from ill-kept, filth-fed flocks or with eggs imported from foreign lands. Foreign eggs should be labeled.

Milk and cattle inspection started a howl of protest from dealers all over the country when first attempted, but conditions are improving and inspection is becoming more thorough and less of a farce. Inspection of eggs and poultry is quite as important and it is coming; so is inspection of poultry plants likely soon to follow the present inspection of barns and stables. We insist on our American producers conducting sanitary plants and likewise we should insist that they be protected against cheap foreign competition where sanitary conditions are a minus quantity.

Demand that all eggs imported from foreign countries be duly labeled and also insist that "cold storage" eggs be labeled so that every customer will know what he buys. It is too late to keep out the foreign egg, but it isn't too late to label it.

San Francisco advises state that the ocean freight rates on eggs from Chinese ports to that city are 22¼ cents per case without refrigeration and 44½ cents per 30 dozen case with refrigeration; also that fillers and cases for these eggs cost about one cent per dozen eggs. If it is true that the eggs in the Orient can be had at 8 cents a dozen it would seem that Mr. Harker's estimate of 14 cents a dozen cost of Chinese eggs laid down in California was a conservative one.

Favoring the Chinese Egg.

At the spring meeting of the Missouri Association of Wholesale Dealers in Eggs, Butter and Poultry at Kansas City, the first week in March, John Stewart, of San Francisco, gave a talk on "Effect of Importation of Foreign Eggs and Butter on the Pacific Coast." The address was lengthy and aroused a great deal of interest. The speaker disclaimed any personal interest in the imports considered and he presented numerous points in favor of Chinese eggs. The following excerpts are made in brief from his address:

Shanghai is the receiving point for eggs. At the warehouses there they are candled and packed. The eggs are received in native baskets of 1,000 eggs each. The source of supply is the sur-

rounding country for some three days journey and also in Malay and Straits Settlements. Shanghai has only one cold storage warehouse.

The "flush season" for Chinese eggs is in October, November and December. Chinese fowls are mostly of the "Mediterranean breeds and smaller than ours." (Please note this and the following statement.—Ed.) Chinese eggs were exhibited at this meeting, were small average size, fair appearance and had thick brown shells.

Flavor of Chinese eggs is good, though some are off flavor. They stand up well, are full and of good body.

Chinese eggs are capable of withstanding heat with less ill effects than American eggs. (Wonder why. Is it because they cost less? Ed. A. P. J.).

Eight thousand cases of Chinese eggs were laid down in San Francisco at a total cost of 13½ cents a dozen.

Mr. Block, a wealthy egg exporter in China, was quoted as claiming that he could put good Chinese eggs into San Francisco market at a cost of 10 cents a dozen.

Mr. Stewart had heard a guarantee to deliver Chinese eggs next November to January, up to 50,000 cases (1,500,000 dozen) at 17 cents a dozen f. o. b. San Francisco.

The wages of "egg breakers" in China equal 5 to 7½ cents a day and 5 cents a dozen is a high price for eggs.

Last winter most Chinese eggs in California sold to bakers. Mr. Stewart said that the hotels, grocers, etc., wanted Petaluma, California eggs, which are "the finest eggs on earth, running 56 to 62 pounds to the case and all white and clean."

Most Chinese eggs and poultry now go to Germany and Great Britain. Egg production in China is considerable and likely to increase fast, as the outlet increases.

Mr. Stewart does not believe that Chinese hens are scavengers or that they eat filth. They are fed on good food like rice, barley and corn and are most exemplary in conduct and habits. (So, apparently, we should believe that the hens in China live better than the people and, presumably, are in many ways superior to American hens, aside from the fact that they can produce eggs at a profit at 5 cents a dozen.—Ed. A. P. J.)

There are twenty factories in China engaged in the business of putting up egg albumen and egg yolk. (An American print manufacturer and importer of egg albumen, for use in his factories, told us some time ago that Chinese egg albumen was so filthy that he was obliged to stop using it and to find a substitute mordant for fixing colors in his prints.—Ed. A. P. J.).

Exporter Block went to China 14 years ago and has made a fortune in Chinese eggs. Chinese eggs withstand heat. Last summer, owing to the heat not over 30% of the Kansas and Missouri summer eggs were merchantable. (Wish someone would explain why age and heat fails to affect a Chinese egg same as an American egg. Do Chinese hens use preservatives and asbestos insulators? —Ed. A. P. J.).

There are five steamers a week sailing from Shanghai, China, to Pacific Coast ports, including Vancouver, Seattle and San Francisco. The average running time between Shanghai and San Francisco is 28 days.

Prejudice will not prevent the importation and sale of Chinese eggs if relative values are profitable.

(In other words, if there is profit, big profit, to be made in importing Chinese eggs there will be big importations and a lot of them will undoubtedly be sold as domestic eggs unless the law compels labeling all eggs to indicate where laid. Not one Chinese egg in a million will be less than five weeks old when it lands at an American port and many of them will be three months old and older. But, judging from the information received, they are not seriously affected by heat and may improve with age; if you possess a taste for a "gamey" flavor.—Ed. A. P. J.).

Opening the Panama Canal will probably cut freight rates from San Francisco to New York. Direct steamers may be established from Shanghai to New York, opening up the Atlantic Coast ports to Chinese egg trade. (Lovely! Isn't it most time for us to begin trying to shave our heads and grow our scalp lock in a pigtail. We'll admit prejudice, we never even eat chop-suey or polished rice.—Ed. A. P. J.).

$50-Fifty Dollars in Cash Prizes-$50

Great Prize Contest for 1914 Chick Growers Open to Everybody—Starts Now—Enter Your Name Today

American Poultry Journal offers *Ten Cash Prizes*, aggregating *Fifty Dollars*, in a *Great Chick Growing Contest for 1914*. The contest is open to *Everybody* who grows chickens. There is no entry fee. If you wish to compete simply send in your name today to the Managing Editor of American Poultry Journal, Silver Lake, Mass., saying: "I wish to enter the A. P. J. Chick Growing Contest for 1914." Read carefully the rules of the contest.

$50.00 IN TEN CASH PRIZES

FIRST PRIZE	*$15.00*
SECOND PRIZE	*10.00*
THIRD PRIZE	*7.00*
FOURTH PRIZE	*5.00*
FIFTH PRIZE	*3.00*
SIXTH PRIZE	*2.00*
SEVENTH PRIZE	*2.00*
EIGHT PRIZE	*2.00*
NINTH PRIZE	*2.00*
TENTH PRIZE	*2.00*

Rules of Chick Growing Contest.

The contest starts now; chick season of 1914. It is open to anyone who grows chickens this season, and variety of Standard-bred poultry.

Every contestant must write the story of his or her chick growing experience for the season of 1914, describing hatching, brooding, feeding, care and management of the chicks. This article should contain not less than 1,000 words nor more than 1,500 words.

With each article there must also be furnished FIVE PHOTOGRAPHS of the growing chicks at ages mentioned below. The photographic prints should be clear, sharp and distinct and should not be mounted. The photographs must be made of chicks grown by the contestant and all five for the same variety of poultry. With each photograph must be given the average weight of individual chicks at time photograph was taken. Only chicks of the same age must be included in the same photo. Arrangement and grouping of chicks is left entirely to contestant. The photos should be taken of chicks at different ages as follows:

Photo No. 1. Day-old chicks.
Photo No. 2. Chicks two weeks old.
Photo No. 3. Chicks four weeks old.
Photo No. 4. Chicks eight week old.
Photo No. 5. Chicks three months old.

Remember to write your name and address in pencil on the back of each photo print, the name of the variety, the age of the chicks in photo and the average weight per chick. These rules must be carefully followed. Do not write on the face of photograph.

The contest will close September 1, 1914, and all photos and articles must be in the hands of the Managing Editor of American Poultry Journal, Lock Box 4, Silver Lake, Mass., not later than September 15th.

All photos and articles submitted become the property of American Poultry Journal. The judges reserve the right to reject any or all articles and photos not deemed worthy of a place.

Prizes will be awarded ON PRACTICAL MERIT of the chick growing method reported, the RESULTS WITH THE CHICKS, and the QUALITY OF THE PHOTOGRAPHS, including EFFECTIVE GROUPING OF CHICKS.

We require that all articles be written on one side of the paper only and neatly prepared. Literary style will "cut no ice." The PRACTICAL VALUE of your story as an EXPERIENCE LESSON is what counts. Don't be afraid to enter because you have never written an article for publication. Simply tell your experience just as you would write a letter about it to a friend whom you wanted to help to be successful with chickens. Tell your story plainly, forcefully, briefly and stop when you are done. Prepare

for writing the article by making notes of your experience as you grow the chicks this season.

Don't fail to enter this contest; it will help you, help your variety and help others who are beginning with poultry.

Awards will be announced as early as possible after the close of the contest and the Cash Prizes will be paid in time to furnish you with Christmas money. Winning articles will be published. Be sure to read the rules carefully and to save them for reference. Enter the contest today. Do it now.

Germs in Eggs.

We do not believe in being foolishly alarmed about disease germs in eggs or anywhere else. We have to meet pathogenic micro-organisms everywhere and it doesn't do any good to be afraid. It is evident that they are not always as dangerous or deadly as many folks suppose them to be, otherwise the human race would not have existed until the present time. Nevertheless, while we may not and should not fear, there is no reason why we should remain ignorant of and blind to the everyday facts. We know that certain microbes, under conditions favorable to the germs, do become dangerous and a menace to human life. So, though we may not fear, and while greed to fatten the pocketbook may influence the vision of some, why remain blind to the facts and why run needless risks?

Competent observers have proved that we lose millions of dollars' worth of eggs annually in this country through filthy conditions, bad management and bad handling. Many able men and women are working hard to secure better conditions of poultry keeping and better handling and marketing of poultry produce. We ask our poultry keepers to observe modern sanitary methods, to keep coops, nests and yards clean, to feed only wholesome foods to fowls, to supply pure water, to keep only healthy young stock birds, and to observe care and cleanliness in gathering the eggs, to gather and market them often. We insist that the eggs must be kept in a cool clean place and not exposed to dampness or foul odors, and we demand clean, fresh-gathered, new-laid eggs for our own table and claim that the fresher an egg is when eaten the better it is. Such fresh-gathered new-laid eggs bring the highest prices.

Nowadays most of us are strong for pure foodstuffs, we want purer, better and cleaner foods, and have enlisted the Federal Government's and State Government's services at considerable expense to help us to secure pure foods. It doesn't do any good to be careful in one particular and lax to the point of imbecility in others. If it is worth while to clean up our domestic foodstuffs and insist on cleanly conditions of production in this country, it is certainly equally, if not more, important to investigate the sources of foreign food products and insist that they be labeled according to quality and purity.

It is a notorious fact that shippers and dealers now get a wide range of "quality" and many "grades" out of the same case of eggs. Misrepresentation by dealers has made the term "strictly fresh eggs" a joke and byword. It is high time we had a cleanup in our market conditions. We are in full sympathy with the Californians who seek some protection from the great influx of cheap, doubtful quality foreign eggs and who ask that such imported eggs be duly labeled "laid in China," or wherever they may have been laid. We believe that all eggs, no matter what the source should be labeled according to age and quality. Today we are getting more Chinese eggs imported monthly than were received during the whole year of 1913. Pacific Coast poultry keepers, being "next door" to the Orient, have to bear the brunt of the invasion; they are working to produce "pure food eggs" under modern sanitary conditions and we don't wonder that they protest against the unrestricted sale of unlabeled, doubtful-quality foreign eggs that are arriving by the millions of dozens. We don't want to see private pocketbooks fattened at the expense of the public health; if we are to have pure food laws, for goodness sake make them broad enough to cover both foreign and domestic products.

We quote the following extracts from a February editorial in the New York Produce Review which shows a surprising lack of information concerning eggs and their contents:

> The California poultry interests are up in arms against the Chinese egg. They are making two lines of principal attack: one is to seek exclusion of the foreign product on the ground of unwholesomeness, and to that end samples are being submitted to the health authorities in the hope (shall we say it?) that the eggs may be found, in some mysterious way, bearers of disease germs; the other is to create in the minds of consumers the belief that Chinese eggs are filthy; to that end a circular has been published declaring that the Chinese feed their chickens on excrements and offal and and keep them in filthy surroundings, and an appeal is made also to the patriotism of the people of California to refuse the imported eggs and stick to the native product.

BUFF ORPINGTONS
Fashion Plate Strain



Our Standard bred models are in demand in every State and eleven years of trap-nesting goes with every purchase.

100 nicely finished cockerels yet in our surplus yards at $5.00, $10.00, $15.00, $20.00 or $25.00 each. Select your bird and we will fit the quality to your price and give 125 cents in value for every dollar you remit.

200 pullets budding into laying and **50** yearling hens, all raised from our best families of trap-nested layers, going out at $2.50, $3.00, $4.00 and $5.00 each—all pairs, trios or breeding pens mated in the correct blood lines to give **best** results in chicks.

See the 1914 **Orpington Fashion Plate Book**, study the description of our 28 yards and the price of eggs, Fashion Plate Buffs in natural colors, over 40 other illustrations, 56 pages. **FREE.**

A. E. MARTZ & SON **Buff Orpington Specialists** **Box A, ARCADIA, IND.**

One can hardly believe that eggs brought from China in the shell will be found to be contaminated with the germs of disease, though they may be of average inferior quality; and while a prejudice against them may result from such description of Chinese poultry keeping methods as above mentioned, it will be remembered by most people that our own farm poultry are often occupants of the dung heap.

To anyone at all familiar with fowls and eggs, and particularly the anatomy of fowls, the functioning of the egg organs and the structure of the egg itself, there doesn't seem to be anything particularly mysterious about the possible microbic invasion of eggs. It is not uncommon to find foreign matter in new-laid eggs. A number of competent investigators have found parasitic worms and vegetable parasites in eggs, though the eggs were fresh and the shells intact. A fluke, a nematode, and fragments of tapeworms have been recorded as found in fowl's eggs. Bonnet found the ova of a fluke in the albumen of an egg in 1880. Foreign investigators have found no less than nine varieties of vegetable parasites in the albumen of eggs. That the presence of these objectionable "guests" is a matter of accident and abnormal condition of the egg organs, does not make the invasion any the less real and undesirable. There isn't any mystery about it.

C. F. Langworthy in U. S. Farmer's Bulletin No. 128 (1905) states:

It is possible for an egg to become infected with micro-organisms, either before it is laid or after. The shell is porous, and offers no greater resistance to micro-organisms which cause disease than it does to those which cause the egg to spoil or rot. When the infected egg is eaten raw the micro-organisms, if present, are communicated to man and may cause disease. If an egg remains in a dirty nest, defiled with the micro-organisms which cause typhoid fever, carried there on the hen's feet or feathers, it is not strange if some of these bacteria occasionally penetrate the shell and the egg thus becomes a possible source of infection. Perhaps one of the most common troubles due to bacterial infection of eggs is the more or less serious illness sometimes caused by eating those which are "stale." This often resembles ptomaine poisoning, which is caused, not by the micro-organisms themselves, but by the poisonous products which they elaborate from materials on which they grow.

It is a fact that hens will live, grow fat and lay eggs on a diet of swill and the food found in the excrement of humans and animals; just as hogs are sometimes grown on swill and the undigested grain food voided in the dung of cattle. We don't believe that that sort of pork and eggs can be included in pure and wholesome food and the mere thought of it is revolting to the human mind and stomach. We know that filthy conditions of poultry keeping are found on some of our American farms and strenuous efforts are being made to clean them up. Travelers in the Orient tell us that filthy methods, foul coops, dirty nests and filth-feeding are common and prevalent in the Far East, and we can't hope to get a clean up there for a long time. We hope our health authorities will make thorough laboratory tests of foreign eggs with a view to finding out to what extent they may be infected with undesirable germs and that our pure food laws will require all eggs to be labeled as to quality, source and age.

Storrs Agricultural Experiment Station, Connecticut, has recently published a bulletin (No. 75) by Dr. Leo F. Rettger, entiled: "The Bacteriology of the Hen's Egg with Special Reference to Its Freedom from Microbic Invasion." This is an excellent bulletin and well worth reading. Its title has mislead some readers into the belief that Dr. Rettger's investigations prove that eggs are, as a rule, remarkably free from bacteria. A careful reading of the reports does not lead to that conclusion, since in tests from 1910 to 1913, inclusive, with thousands of fresh eggs, from about as low as 2 per cent to as high as 31.7 per cent of the eggs tested were found to contain bacteria. Of 3,510 fresh eggs, of which the entire yolks were tested, from July, 1910, to September, 1912, 9.5 per cent contained micro-organisms, not including the germ of white diarrhoea. Nearly 10 per cent microbic invasion of good, selected, fresh eggs can scarcely be considered being remarkably free from bacteria.

Six hundred and forty-seven fresh egg yolks were tested in April, May and June, 1913, and 3.86 per cent of them were found to contain germs, not including white diarrhoea. When eggs were found to contain the B. pullorum, the specific germ of white diarrhoea, they were seldom found to harbor any other organism. The whites of 582 eggs were tested in 1913 and only 1.2 per cent were infected with bacteria.

In mentioning the quality of the eggs used in tests Dr. Rettger said:

Most of the eggs came from college and station stock. Shipments were received, however, from numerous sources, and from different parts of the country. The Storrs eggs were collected from trap-nests. As a rule, only clean and apparently normal eggs were used in the tests, especially in the examination of fresh eggs.

It is interesting to note that these eggs, which were found to be comparatively free from dangerous disease germs, were what would be considered, as a rule, good, fresh, new-laid eggs produced under

Beauty and Utility White Wyandottes

There is no branch of the poultry business that has received more abuse than that of selling eggs for hatching. That there are just grounds for a good deal of this, is also a fact. There are breeders selling eggs for hatching from weak debilitated stock. Their birds may possibly have show room records but it would be simply impossible to hatch strong, livable chicks from them. You cannot get something from nothing.

Regal White Wyandottes have a magnificent show record and this record was made by birds that have the vigor and stamina to reproduce themselves. For the past nine years in succession, I have bred, raised and exhibited the first prize cockerel at the New York State Fair. These winnings are not accidental but prove that my line of breeding is correct. **Think this over.** When you buy eggs for hatching from my pens you get them from birds that are bred right, raised right and correctly mated. Can you not reasonably expect better success by starting with an established strain. If you are not satisfied with the results you are getting why not start all over with pure Regal Strain? Note what one customer says:



Crusader III, a Boston Winner

Conneaut, Ohio, Dec. 12, 1913.

Dear Sir:
I received the two settings of eggs in good shape and hatched 16 fine chicks. Of the 16, I raised 15, one being killed by accident. I have six fine pullets and four cockerels that $10 each would not buy. They are beauties. I am more than satisfied with my deal, and thank you for fair treatment. Will want more eggs. Yours truly,
J. J. BOURQUIN.

Another customer, Mr. F. O. James, of South Portland, Me., says: "I can honestly say that all the chicks hatched from your eggs were the hardiest and most rapid growers I have ever handled in fifteen years."

Exhibition Matings (as they run), $5 per 15, $9 per 30, $12 per 45, $24 per 100. Pens 5 to 12 are special matings. Eggs from special matings only, $10 per 14, $18 per 30, $25 per 45, $50 per 100.

Record Laying Pens (Dorcas Line)

Pens 21 to 26 are headed by males bred from females with high records. Some of these males have exhibition records. The females in the six pens are yearlings with trap-nest records from 180 to 224, and pullets of the same breeding. From these pens eggs are $5 per 15, $15 per 50, $27 per 100, $50 per 200. Utility matings of vigorous surplus stock are $9 per 100, $17 per 200, $25 per 300.

Special—50 big, vigorous, matured cockerels, $5, $10, $15, $20 and $25. Also about a dozen fine trios and pens properly mated for quick sale.

Free—20-page illustrated catalogue and mating list. It gives full description of my matings for 1914.

John S. Martin : Box 51 : Port Dover, Canada

cleanly conditions. Dr. Rettger is disposed to believe that there may have been accidental invasion of the eggs during some of the tests and that the percentage of actually infected eggs was really lower than is shown by the tests. We wonder what the results would have been had the tests been made with the average run of stale market eggs or with eggs imported from the Orient. A considerable variety of organisms were found but no attempt was made to make a thorough classification.

Of artificially incubated eggs incubated one week, 1,746 were tested in three years and only 2.75 per cent found to be infested with germs other than white diarrhoea. Of 2,166 eggs incubated two weeks, only 1.3 per cent were found infested with germs other than those of white diarrhoea. Of 1,984 eggs incubated three weeks, 3.6 per cent were found to contain bacteria, not including white diarrhoea.

The tests with incubated eggs are in keeping with the experience of many poultrymen who have found that infertile eggs tested out of an incubator, after a week's incubation, are almost always edible, free from odor or taste, keep well and are apparently sweet and good for food, though the whites are a bit thinner than normal; apparently such eggs are comparatively free from micro-organisms. On the contrary, eggs taken from the nests of broody hens after seven days or more incubation, though they may be infertile, are invariably spoiled and offensive. This would seem to indicate that the eggs become invaded with germs while in the hen's nest.

The bulletin states: "It should be borne in mind that the results given in this paper were obtained in the examination of eggs which were clean and free from defects in the shells, and which were gathered, as a rule, from trap-nests. The incubated eggs were incubated in standard artificial incubators."

Dr. Rettger says that the data from his tests are not in harmony with those of many other investigators and cites some examples which we quote:

In Lamson's publication we are led to infer that in a large proportion of fresh eggs which were examined under his direction bacteria were found. Eggs laid in July, August and early September contained a greater number of bacteria than April, May and June eggs. According to him, eggs may be infected by bacteria both in the oviduct, before laying, and through the pores and defects in the shell after the egg is laid.

In the investigation reported by Miss Pennington only 7 out of 57 so-called fresh eggs were found to be sterile. In 18 of the experiments the yolk had the larger number of micro-organisms, while in 11 instances the majority were in the white. In 21 the numbers of yolk and white were almost even. Thirty different species were isolated from 100 eggs.

Poppe found bacteria in 54 per cent of the eggs which were tested by him.

In the extensive investigation of Maurer 18.1 per cent of the total number of eggs that were tested yielded positive results when the culture tests were made at room temperature, while 8.3 per cent showed growth at blood temperature. Of the infected eggs 82 per cent were infected in the yolk, 25.9 per cent in the white, and 7.9 per cent in both white and yolk.

Other competent observers have shown that a large proportion of eggs marketed under the common methods of gathering, collection, handling and shipping, are spoiled and rendered unfit for food. Investigators have shown that the germs of typhoid fever and of Asiatic cholera may invade eggs if conditions are favorable. Other dangerous micro-organisms may gain entrance to eggs, either before or after they are laid, when the conditions under which the eggs are produced and handled are filthy.

Dr. Rettger's admirable bulletin points out that:

As long as the shells of eggs are kept clean and dry there is little danger from bacterial invasion. The soiling of shells, especially with fecal matter, lowers the chances of preservation of the contents. Eggs that are soiled are no longer germ proof. Furthermore eggs which are kept in damp places are apt to spoil, as the moisture that collects on them destroys or weakens the protective coating, and enables bacteria to work their way into the interior.

The shell of a fresh egg is coated with a thin layer of gelatinous substance which under normal conditions protects the egg from bacterial invasion. * * * Under the influence of moisture the shell is deprived of its gelatinous covering, and bacteria can, as a result, easily pass through the porous parts of the shell.

Egg-white has strong antiseptic qualities, and in many cases a marked disinfectant action on bacteria.

The oviduct of a normal healthy hen is sterile and the secretions exert a very important influence for the preservation of the eggs against bacterial invasion.

It is reasonable to assume that where the hens are healthy and kept under sanitary and cleanly conditions, fed on wholesome food, given clean nests, eggs gathered soon after being laid, and kept clean and free from contamination, that such eggs will, as a rule, be comparatively free from bacterial invasion. Dirt and filth make it possible for eggs to become infected with disease germs and bring about spoiling and decay. Moisture and increased temperature hastens decomposition.

Dr. Rettger's investigation did not show that fertilized eggs spoil or undergo natural bacterial decomposition more readily than the unfertilized.

It should be apparent to all, that if we want wholesome food eggs we must start with healthy young hens (any poultry keeper of experience should be able to understand that old hens may easily have some abnormality of egg organs which is not desirable when producing food eggs), provide clean and wholesome food and drink, clean quarters and clean nests, and always see that eggs are produced under cleanly conditions and kept clean until they reach the consumer's table; which should be as soon after they are laid as possible.

o

Winnings in Pullet and Cockerel-bred Classes.

The introduction of pullet-bred and cockerel-bred classes for special competition in many of our shows, we believe to be a very good thing from an educational standpoint. Where it is admitted that double mating must be practiced to secure Standard exhibition specimens for the "regular" classes of show poultry, we certainly should show specimens of such breeding stock that the beginner may profit.

As was to be expected, the introduction of such special classes has caused confusion, complaint, and has opened the way for unscrupulous breeders to misrepresent their winnings with intent to deceive the public. Winnings in the novice classes have likewise been misused. There can be no excuse for the man who wins in a minor or odd class advertising his winning as if made in the regular classes. If he wins in the novice class, his advertisement should so state. If he wins in the pullet-bred or cockerel-bred class, he should say so. If he wins in these special classes and then advertises, "First at Chicago" (or wherever he won), he does so dishonestly and with deliberate intent to cheat the reader. Ignorance or carelessness, don't and won't excuse him. He advertises "First at Chicago" because he wishes to mislead the reader and misrepresent his stock. He knows how the

Keeler's White Wyandottes



CHIEF WINAMAC 4th—First Cock Indianapolis, Jan. 10th to 16th, 1914

The Aristocrats of the White Wyandotte World

Have again demonstrated their superiority over all others by winning at

Indianapolis, Jan. 10th to 16th, 1914

1st, 2d, 3rd, 4th and 5th cock; 1st, 2d, 3rd, 4th and 5th hens; 1st, 2d, 3rd, 4th and 5th pullets; 1st, 3rd, 4th and 5th cockerels; 1st, 2d, 3rd and 4th old pen; 1st, 2d and 3rd young pen. The National White Wyandotte Club State Cup and Club ribbons for the best cock, hen, cockerel, pullet and pen; $50.00 cup for best display, and many other specials, thus supporting their well earned title of the

WORLD'S GREATEST STRAIN

Eggs Eggs Eggs Eggs Eggs Eggs Eggs

I have bred White Wyandotte for 20 years and for the season of 1914 have mated 16 grand pens. These pens contain practically all of the 62 birds that made these Indianapolis winnings, and the best birds reared the past three years. Sons, daughters, brothers and sisters of these grand birds. They are mated right and bred right to produce the winners at America's largest and best shows. 64 page 1914 Art Catalogue of America's finest White Wyandottes describing these matings in full free for the asking. (5 Red Stamps appreciated.) Eggs, $5.00 per 15; $9.00 per 30; $14.00 per 50; $25.00 per 100. Eggs from the best of all matings, $10.00, $15.00 and $20.00 per 15. State your wants clearly and address

KEELERSVILLE, Chas. V. Keeler, Prop., R. F. D. 11, Winamac, Indiana

reader will interpret the claim, "First at Chicago." He knows he did not win on regular Standard exhibition specimens, but he wants the reader to believe that he did. If such a breeder was honest he would state plainly that he won "First at Chicago in Pullet-bred Class" (or whatever he did win).

The show managers can remedy this matter if they will by giving only special prizes in these special classes, and reserving the regular ribbons for the regular classes only. We have had a good deal of complaint on this subject from many sources. We have been sorry to find men stooping to this low form of cheating, whom we believed to be above that sort of thing and whom, if we hadn't caught them at it, we would have given a "clean bill of honesty." When we have noted such misleading wording in advertising we have corrected it before it was put in type. Obviously we cannot check up all advertising with lists of show winnings. It is an almost impossible task to look up the winnings of each and every advertiser, but we are going to keep a "black list" for those who are caught introducing misleading wording into their advertising, with a view to showing up this sort of cheating unless it is promptly stopped.

We have said repeatedly in these columns and we again say to all poultrymen: Stick to honest methods and honest statements. Play the game with clean hands.

Play the Game Square.

Modern business isn't conducted on the same lines of brotherly love as a little girl's fifth birthday party. There is a good deal of the primitive in business. Survival of the fittest plays its part and the big fish gobble up the little fish when they can do so and get away with it. There is a good deal of "every man for himself and de'il take the hindmost," yet honesty, human kindness and friendship are not incompatible with modern business.

It is wise to keep your eyes open. It pays to look out yourself, for you are the only one who can be depended upon to look out for yourself, and there are plenty of sharks in the sea of business who will annex your roll if you are careless with it. The man who is foolish with money can always find someone to take it away from him and take it quick. Old Dave Harum was worldly wise in his business rule of "Do unto others what they would like to do to you, but do it fust!"

There are always plenty of wild-cat corporations being promoted for the purpose of selling prettily etched and colored stock certificates to the people with money to invest. It is looked upon as an easy and legal way to unload a losing business on an unwary and foolish public, but it is a steal, in many cases, nevertheless. When you see a heavily capitalized scheme being promoted, with great blocks of stock offered at attractive figures and promises of generous dividends, investigate well before you buy. Find out why the other fellow is so eager to sell, if it is such a good thing and so certain to pay big profits quickly. Remember "Get-Rick-Quick Wallingford's" business methods, and bear in mind the big railroad steals so recently exposed. Steer clear of get-rich-quick schemes and wild-cat promoters. There are legitimate corporations in abundance in the stock of which investments can be profitably made and there are others that do not hold even a gambler's chance for you. A good many are operated on the "Heads I Win, Tails You Lose" policy.

"Honesty is the best policy" in business always, though sometimes folks are dishonest and get away with it for a time. Sooner or later there is apt to be a day of reckoning.

Play the game on the square. Be honest with yourself and with others, not because it "is the best policy," but because it is right. Money is a nice thing to have. It is very useful and at times very necessary, but one of the very best things to have always with you is a clean conscience.

To all the sneers directed at the "hen business" we have paid little heed, but a friend did get "under our skin" one day last summer when, talking about a certain man in the fancy, he said: "Charlie is too honest for the chicken game, he won't succeed." No man is too honest for the fancy or practical poultry business. The honest man is the one who will stay in the business and win lasting success. We believe that the big majority of the men in fancy and practical poultry are honest. If we didn't believe it, we would quit and tackle a new job. Play the game square, and be honest because it is right.

Government Poultry Instructors.

Editor Theo. Hewes, in March *Inland*, under the caption "How Many?" says:

"How many practical men are there at the heads of the poultry departments of our agricultural colleges? How many of them have made good in the profession they have chosen before securing positions at these colleges, and how many of them could make a living out of the business if they were turned loose and told to hustle for themselves? Think it over and let us have your answer. Then try to figure out how many failures you can think of—men who have absolutely failed in every other business—who are today drawing good salaries from the National or State government, trying to teach others to do correctly the very thing they fell down on. It actually makes one smile when he goes over the list, and we know the rank and file of the poultrymen of America feel as we do about it."

Well, what would you have, Theo.?

U. R. FISHEL'S AD in this issue will interest you. Read it.



WM. COOK & SONS

ORIGINATORS OF ALL THE ORPINGTON FOWLS & DUCKS

Plants in America, England and Africa Established 1873 : Box A, Scotch Plains, New Jersey

Eventually, if you want the **best Orpingtons** of any variety, you will buy from their **Originators—Why not now?**—And avoid loss and disappointment. We **guarantee** safe delivery and **satisfaction,** backed by a reputation of 41 years standing. This means something to you, when placing your orders.

Our winnings in 1913—356 prizes including **170 Firsts** and 105 Seconds at the **largest** shows in this country. This was the result from our **best matings** and our customers produced from these matings hundreds of first prize winners.

Eggs from our first prize winners and the finest Orpingtons in the world **$20** a setting. From fine stock and our second prize winners **$10** a setting.

Send 10c for illustrated catalog containing history of the origination of the Orpingtons and hints on poultry keeping. **Mating list free.**

Several thousand Orpingtons always for sale in **Black, Buff, White, Diamond, Jubilee, Spangle and Blue, all** of which we **Originated.**

Over **14,000** first prizes won by us. Inspection **cordially** invited, trains met. A visit to our plant will show you that the finest Orpingtons in the world are mated up there. Advice free. We can start you in the poultry business right.

ORNAMENTAL LAND and WATER FOWL FOR SALE

There are some good ones. Isn't it true that in other fields, as well, a big percentage of teachers are drawn from those who have failed in other lines? The big fat salaries of teachers are mostly on paper, not actual. Mighty few of the salaries would tempt any successful practical man. Few such men would be found who could impart their knowledge to others. Some "failures" may have learned something from their own shortcomings and may be able to impart what they have learned by sore experience. We said "some" and "may," please note.

Most of our colleges put out a lot of "bunk" advertising matter to "trap" prospective students; they work petty graft to the limit and get as instructors as low-priced, cheap-salaried men as they can get. Make some of them work for the "honor" of it, and often they work them hard. Then they play at politics. The "professor," once he gets the job, has to do gallery stunts, get out frequent bulletins (whether he has anything to say or not), look out for his political fences and play up to his superiors, do lots of "institute" work to impress the public that pays the bills, and as little as possible for the students who attend the courses; and all this to keep his job, for he has

ROSE'S ORPINGTONS

BUFFS and BLACKS



First Prize Pen at Madison Square Garden. The finest Buff Orpington Pen ever shown.

"LIKE BEGETS LIKE."

My Buffs have the correct color, the color that you must have to win. If your birds lack type, color, bone, introduce my stock. Neither in England, the home of the Orpington, nor in America, can you obtain such quality and value in Buffs or Black Orpingtons as I offer you. Rose's Orpingtons, Buffs and Blacks are bred to win in the strongest competition.

The most wonderful record of the year—backed by stamina and blood lines that will **produce.**

During the 1913-14 show season, at America's two leading shows, **Madison Square Garden** and **Chicago Coliseum**—in the best classes of the breed and in competition with nearly every prominent breeder, **my Buff Orpingtons won more first prizes than all competitors combined.** Consider the following winnings and decide for yourself who has **the best Buff Orpingtons:**

MADISON SQUARE GARDEN

Dec. 26-31, 1913.

1st pen, 5 cock, 3 hen, 1-5 cockerel, 1-4 pullet.

CHICAGO COLISEUM

Dec. 12-17, 1913.

1-2-5 cock, 3 hen, 1-5 cockerel, 1-2 pullet, 3 pen.

This remarkable record, including 6 of 11 first prizes awarded, establishes beyond all doubt the superiority of Rose's Orpingtons.

A Black Orpington Record That Stands for Something—That Means Something to You

During the past three years my Black Orpingtons have won the Championship at Madison Square Garden, Boston, Baltimore, Pittsburgh, Toronto, Hagerstown, Allentown and New York State Fair. This is the most remarkable record established by any breeder of any variety. In this series of triumphs ten different judges have placed the seal of approval by awarding them highest honors.

During 1913 Rose's Black Orpingtons won 27 firsts of a possible 33 firsts at six shows of national reputation, viz.: Boston, Allentown, Hagerstown, New York State Fair, Toronto and Chicago. Five times out of six at these shows they won the Championship for Best Display.

1913-14 Black Orpington Club Show, Pittsburgh, January, 1914

They won as follows: 1-2-4-7-8 cocks; 1-3-4-8 cockerels; 1-2-4-6 hens; 1-3-4-5-8 pullets; 2 old pen; 1st young pen.

BRED IN THE RIGOROUS CANADIAN CLIMATE.

They are hardy, rapid growers and splendid winter layers, characteristics you need to make your Orpingtons suit you to a "T." I can furnish a number of high class breeding males, also pairs, trios and breeding pens that will be carefully mated to produce the best results at "live and let live" prices. Send your wants and let me furnish description and quote prices.

MY EGGS ARE THE BEST MONEY CAN BUY.

I wish every reader of this Journal could visit my farm and inspect my matings for 1914. Prominent breeders and judges who have seen them declare them unequalled. Every pen is headed by a prize winner or a near relation. If you desire eggs that will produce winners at next season's shows you cannot afford to overlook this opportunity. Better values do not exist anywhere.

Send for handsome new catalog and mating list containing illustrations of my prize winners, including full page color plate of my first prize cockerel at Madison Square Garden, in natural colors. It is free for the asking.

HUGH A. ROSE

FONTHILL, ONTARIO, CANADA

to make a living some way like everyone else.

There are quite a bunch of good men, who are doing good work at government colleges and experiment stations, who are working hard and doing their level best, and there are some others who seem chiefly concerned in getting publicity, doing gallery play stunts, and circulating wierd and improbable but scarcely useful poultry information. A lot of them haven't any real practical experience to build on. But, don't be too severe on the men. Put a large share of the blame on the college management system and on "dirty politics." The way the whole business is organized, the way new recruits are drawn and the manner in which "Prexy" and his cabinet make their selections and rule their men;—the whole blamed system from beginning to end, including the work done by the government legislative assemblies, is all wide open to criticism. Yet we do get some small good out of it all, and we believe there is a change for the better coming. Educational matters are developing greater importance these days in the minds of the many. There is a change coming in teachers and in methods of teaching all along the line. Even protective organization and prejudice can't stop it.

There are a lot of people who have asked the questions you ask, Theo., but they did not have the courage, or were too tender hearted to print it.

Mr. Collier Not a Candidate

Mr. Harry H. Collier, Tacoma, Wash., informs us that he is not a candidate for re-election as a member of the executive board of the American Poultry Association, although he was second highest on the nominating ballot. Other matters require his attention and he finds that it is almost impossible for him to be away from home a month each year.

The members of the association and the poultry fraternity in general owe much to Mr. Collier for his untiring efforts in behalf of the poultry industry, and, while he does not wish to be re-elected to office in the American Poultry Association this year, we know that he will still continue to work for the advancement of thoroughbred poultry.

New American Poultry Association Constitution.

The members of the committee who are at work on constitutional revision met at the Oliver Hotel, South Bend, Ind., March 7th and were in session two days and one night. Members present:

Mr. E. B. Thompson.
Mr. Grant M. Curtis.
Mr. John H. Robinson.
Mr. Frank E. Hering.
Mr. U. R. Fishel.
Mr. S. T. Campbell.
Mr. Reese V. Hicks.

This was the second meeting of the committee and like the first, harmony prevailed. We have every reason to believe that when this constitution is finished it will meet with the approval of the members of the association.

The third and last meeting of this committee will be held in the Statler Hotel in Buffalo April 4th. Mr. John H. Robinson will edit the constitution and have the same printed. Final action on the new constitution will be taken at the next annual meeting of the American Poultry Association, when it is hoped the largest number of members ever attending an A. P. A. meeting will be present.

This constitution will, in all probability, be in force at least five years. The constitution will be mailed to members at the earliest possible date after the meeting at Buffalo.

S. T. Campbell,
Secretary.

Important Notice.

In our February report of the national egg laying contest on page 4 under White Wyandottes, we reported pen 18 of the Pennsylvania Poultry Farm, Lancaster, Pa., as only having 405 eggs. Our mistake was made in carrying forward the totals for the previous months, and the grand total of this pen should have been 495 eggs. This would have placed the Pennsylvania Poultry Farm's pen of White Wyandottes as first for that variety, and Tom Barron as second. This would also move the White Wyandottes up to third place in the contest, and they should follow Buff Orpingtons on page 3.

T. E. QUISENBERRY,
Director.

Dr. Woods' Notes and Comment.

This is the season when we should all "swat the fly." We swat the fly because he breeds and lives in filth, walks in filth, and wipes the germs off his feet on our food. Good enough reason.

* * *

Californian poultry keepers want to swat the product of the Chinese hens.



BEST BY TEST

THE GREEN SHEEN STRAIN
SILVER CAMPINES
"THE HEAVIEST LAYERS OF LARGE WHITE EGGS"



SILVER KING
FIRST COCK-CHICAGO.

SILVER PRINCESS
FIRST PULLET-CHICAGO.

SWEEPSTAKE CHAMPIONS
At the Great Coliseum Show, Chicago, 1913

We won more prizes than all competitors combined. Among 159 entries we won

Cockerels, 1st, 3rd, 4th; Cocks, 3rd, 5th; Pullets, 1st, 2nd, 5th;
Hens, 2nd, 3rd; Old Pens, 1st; Young Pens, 1st, 2nd.

SILVER KING Our great cock bird, established a world's record. Ten Cockerels and Pullets sired by him were awarded ribbons.

EGGS EGGS EGGS

I have mated eight star pens and I guarantee each to be headed by a Chicago 1913 Prize Winning Male. Mating list now ready. Place your order for hatching eggs early. Orders will be filled as received.

FRANK E. HERING
SOUTH BEND, IND.
FANCIER AND BREEDER

HARMON BRADSHAW, Mgr.

Beautiful Catalog free for the asking. Write today.

BEST BY TEST THE GREEN SHEEN STRAIN BEST BY TEST

They say that Chinese hens breed and live in filth, eat filth, walk in filth and wipe their feet on their eggs and in the nests. Chinese eggs are pouring into Pacific Coast ports at the rate of close to a million dozen a month and cost less landed than the American hen's food-cost per dozen eggs. No wonder the Pacific Coast wants to swat the Oriental egg. They have a number of good enough reasons. Read "Germs in Eggs" in this issue.

* * *

It is said that the Chinese eggs so far received are small, dark brown, inferior in quality and not well graded. Late receipts said to show better size and grading, but "mum's the word" as to quality.

* * *

Welcome gentle Spring. The prospect of mild and warm weather is a very enjoyable one. The weather performed such unkind stunts, sudden changes, prolonged severe cold and heavy snows between the New Year and late March that we have had enough of winter weather to last us for a long time. We are not prepared to tell any fairy tales about broken records and just how cold it really was. When the mercury hit 18 degrees below zero in an 80 mile windstorm, we decided not to look at the thermometer any more until it had a chance to thaw out.

* * *

Editor Standish in March *Poultry Index* says:

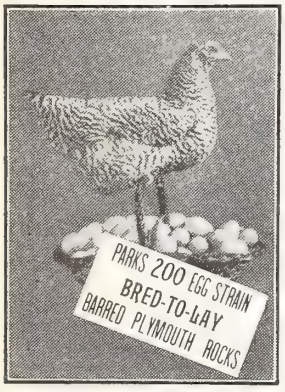
"We would like to ask Dr. Prince T. Woods how his birds stood the recent cold snap at his home. Here in Stoughton with the mercury at 16 degrees below zero, the writer's Anconas and Reds showed frosted combs in open-front houses, with the curtains closely drawn the greater part of the day. How about your White Rocks, brother Woods?"

* * *

Now, Brer. Standish, we wouldn't call it an open-front house "with curtains closely drawn"; that sounds a whole lot like a curtain-front house. We have houses with fronts always open; haven't a curtain in one of them. Our experience with frosted combs during the severe cold spells of the past winter was somewhat varied. A neighbor with a closed house had combs of most of his males and a number of the females badly frosted. In a 10x16 open-front house of ours, containing 30 White Rocks, not one comb on a female was touched by frostbite; of three males, two combs were frosted in the severe cold weather during Boston show week and one escaped untouched. Later on he got touched up a bit in another cold spell through sleeping out in a pine tree on a very cold night. Other birds in 20x20 houses were not troubled at all by frostbite. Rhode Island Red cockerel arriving by express had his comb frozen in shipping coop and he has recovered without treatment, but with loss of considerable comb, in the coldest open-front house we have. No other birds in that house touched. Five birds all alone in a 20x20 ft. open-front house have not been troubled at all. Three White Faverolles in a 6x10 ft. open-front house, arrived here in cold weather after Boston show and apparently not accustomed to an open-front house. They have very thin and rather large combs. Not a sign of frozen combs among the Faverolles. Our 10 year old boy has done most of the poultry work this winter and at times has slighted the work of filling up feeders and water pails, which may account for condition which resulted in frosted combs of such birds as were affected. Condition has more to do with frostbite and frozen combs than has housing. Combs will freeze in both closed and open houses and no more quickly in an open house than in a closed one. Egg yield fine all winter. Our entire family has enjoyed comfort in sleeping out of doors on an open piazza all winter, no need for a doctor and fine appetites. Haven't treated or doctored any frosted combs or wattles all winter. Such as we had were let alone and did fine. "Yours truly" had one cheek frostbitten in Boston during first part of show week. If you need any further frosty information Brer. Standish, call again. By the way, it was cold though at times; we recall that, while we were away at Boston show, our kitchen pump froze up within three feet of a red hot range. The "Mrs." is our authority for that, for she sat up to tend the fire. We don't mind talking about such things now that warm weather is in sight.

* * *

The editor of *Pacific Fanciers Monthly* has a warm editorial in his March issue entitled, "Giving Something for



BREED BARRED PLYMOUTH ROCKS if you want something permanent.

"The breed that outlives all the breed booms."

BREED PARKS' STRAIN if you want eggs as well as fine feathers.

"The strain that put the lay in the Barred Rock family.

With their over 25 years of careful Selection, Pedigreeing and Trapnesting for eggs, they have proven in customers' hands to be well enough bred to lay 200 eggs in a year, and are fine enough marked to win a share of the Blue, as our 1914 winnings show.

EGGS SELECTED $5-15, $8-30, $11-50, $20-100.
SEL. UTILITY $2-13, $6-45, $12-100.

DAY-OLD CHICKS twice the price of Eggs. Egg and Chick Circular Free.

My New 40-Page Catalogue a Dime. Same may be deducted from the first order. It is conceded to be the most practical treatise on the Utility subject to date.

Normal, Ill., Feb. 19, 1914.
Dear Sir: Allow me to congratulate you on your New Catalogue. I have a stack of breeders' catalogues a foot high, and when it comes to downright good common sense, yours has them all beat a mile, etc. Prof. L. Hildebrant.

J. W. PARKS BOX J ALTOONA, PENN., U. S. A.

FISKE'S SINGLE COMB WHITE LEGHORNS

The World's Best Breeder of Exhibition Pen Single Comb White Leghorns, winning at the Grand Central Palace, 1913, First and Fifth Pens, and at Madison Square Garden, 1913, Second and Fifth Pens. At the Madison Square Garden, 1912-1913, I won First and Fourth Pens.

My winning at Buffalo, 1913, has never been equalled, for I won every prize in the Single Classes, First and Second Pens and all Specials.

Some of my other winnings are as follows: Grand Central Palace, 1913, First Cock, Fourth and Fifth Cockerels, Special for Best Shaped Male; Madison Square Garden, 1913, Second Cockerel Third and Fourth Cocks, Fourth Pullet, Special for Best Headed Male, Special for Best Headed Female; also winning at the same time, the $100 President's Cup for Display, same having been won three times, in 1910-1912-1913. **At Boston, 1914,** I won 1st and 2nd Pens on two entrys.

If you wish to breed and raise your own winners, you must have some of my great birds or some setting eggs to improve your stock. **Beautiful Breeding and Exhibition Cocks, Hens, Cockerels and Pullets** for sale at prices to fit the rich or poor. Besides being Show Birds, these birds are the Greatest Layers on Earth. **Eggs** from the finest of Exhibition Matings in the World, $1 apiece. **Eggs** from the Greatest Laying Females ever seen, $10 per hundred; $80 per thousand. **Baby chicks** by the hundred or thousand. Send for my catalogue at once. Single Comb White Leghorns and nothing but Single Comb White Leghorns.

HARLO J. FISKE 891 Westfield St. West Springfield, Mass.

Nothing,'' in which he condemns the methods of subscriptions soliciting at shows where three papers are offered at the price of one, for a whole year, and the agent keeps what cash he gets and all that the publishers receive is the names. He says: ''The legitimate agent of poultry papers has a right to solicit subscriptions in the show room, but the oily-tongued ones who offer the earth for two-bits, and throw in a gilt watch and chain, worth, they assure you, $1, should in our opinion be barred from every show.'' We will say a hearty ''Amen'' to that.

* * *

Secretary-Superintendent Charles D. Cleveland, of the New York Madison Square Garden Show, assures us that ''pass-out checks'' were available for exhibitors at the show last winter and that the door-men had instructions to supply them. He believes we must have had an unfortunate experience with an ignorant door-man. Well, we did ask for pass-out checks and were refused in a manner that made us want to punch the head of the door-man; but fortunately we remembered the ''gun-men'' of the New York police in time to prevent an ''accident.'' ''Come home, Charles, all is forgiven.'' Time now to hatch some winners for the 1914 Garden Show.

* * *

That ''pipe dream'' chatter recommending that the A. P. A. charter a lake steamer and hold the next annual convention on same enroute between Detroit and Duluth, ''listened'' like a good time all right. It is a fine boat trip and sure would be ''something doing,'' but we don't believe that such a convention would be a legal annual meeting of the association. Don't believe a legal meeting could be held on that lake boat enroute. Better forget it and convene at Chicago this summer. Chicago promises good times and good things in abundance. Chicago is a good place for the meeting. Some day maybe we can have a lake steamer junket just for the sake of the good time and without the stress of an annual meeting.

* * *

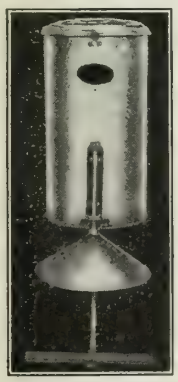
Editor Green in *Poultry Husbandry* says that the A. P. A. is a ''big, top-heavy, sluggish body'' and that for the future of the State Branch ''indications would lead one to believe that it has served its usefulness and is now gradually wasting away of dry rot.'' He also says: ''When asked, 'What are the benefits in belonging to the A. P. A.?' you can only answer, providing you tell the truth, that you benefit the handful of members who control the organization, as your $10.00, like others, will help pay for new standards and defray traveling expenses of officers and special committees.'' ''Naughty! Naughty!'' Mr. Green, you, and others, may think such things, but if you say 'em out loud the executive board may spank you for *lèse-majesté*.

* * *

Poultry Record says: ''One question that might be well considered under the caption of 'Worthy of a Thought,' that is really up to the A. P. A. to decide, is whether separate classes shall be authorized for cockerel-bred females and pullet-bred males, and to provide a standard for them. Most large shows have these classes and we are without a standard by which to judge them.''—If we are to have double matings, we ought to show pens of such matings for educational purposes, and perhaps for competition. But if such classes are shown for competition there ought to be some restraint placed upon the man who wins in a ''double mating'' class and then advertises that he won ''first pen at ——— Show,'' misleading the reader, who would naturally suppose that he had won in the regular exhibition pen class. The same line of thought applies to all exceptional classes. The man who wins first on a pullet-bred male and then advertises ''1st cock'' as his winning for his variety, does so with deliberate aim to cheat the prospective customer. There are quite a few matters that are ''worthy of thought.''

* * *

Some jassack of a newspaper reporter, who had never before seen a



AUTOMATIC FEEDER

"Give the Baby Chicks a Chance." Keep them away from the heat during the day by installing the

GILLETTE POULTRY HOPPER

Start your chicks on the **Gillette** at three days old. Keeps them busy and active; feeds them just the right amount.

16-qt. size, $2.50 **32-qt. size, $3.50**

Delivered anywhere east of the Mississippi River. Proper allowance made for all points west of the river.

We also make a Dry Mash Hopper. Look for our Advertisement next month.

The **Gillette Hoppers** are guaranteed to be satisfactory or money refunded. Write today for descriptive matter.

FRED W. MORSE CO. :: PROVIDENCE, R. I.



300,000 BETTER HATCHED CHICKS For 1914



It is not now a question of whether to buy chicks, but where to buy them—you want quality, vitality, quick and efficient service, with prices that are not unreasonable. We have hatched and delivered chicks for four years, beginning with a capacity of 8,000 eggs, until now we can accommodate 100,000 eggs at one time. We have not advertised extensively; our customers come back each season with increased orders. There is a reason—it's the ''BETTER HATCHED'' chicks that people demand; we use no coal or lamps for heating, our hot-water boilers are all heated with natural gas, assuring a uniform temperature; no prematurely hatched chicks, no delayed hatches, every chick hatched in pure air and out on time; they are the ones that can travel 2,000 miles, grow every mile of the way, arrive strong and healthy and continue to thrive.

The 10,000 pure bred hens that lay eggs for this plant are all on free range, healthy, strong and full of vigor. If you desire chicks from this kind of stock, with a strong guarantee behind them, in lots of 25 to 2,000, send for our free catalog, describing our plant and the following varieties of fowls:—**S. C. White Leghorns, S. C. Brown Leghorns, S. C. Buff Leghorns, Barred Rocks, White Rocks, S. C. and R. C. Reds, S. C. Black Minorcas, White Wyandottes, S. C. White Orpingtons, S. C. Buff Orpingtons.**

We quote wholesale prices in lots of 500 and over. We make a specialty of White Leghorns and Barred Rocks in thousand lots. Deliveries begin March 1st. A hatch each week.

The Co-Operative Breeding and Hatching Co., Box A, Tiro, Ohio

demonstration of dry picking, perpetrated this drivel in a Boston daily newspaper. It is about on a par with other "reliable" poultry information found in the daily press. 'Nuff said!—

"Boon to housewives.

"Chicken-picking patent

"Feathers fall out.

"Durham, N. H., Feb. 19.—Good-by scalding water, old newspapers and a kitchen apron when chicken-picking time comes around.

"Housewives from coast to coast will rise up and call Professor R. V. Mitchell blessed when they read that he has discovered a painless-picking patent that denudes the fowl of feathers without force.

"It is a simple matter—just stick a knife into the chicken's mouth and up into a certain point in its brain. The feathers all loosen. Shake your bird and singe, draw and it is ready to broil, roast or fry, as the age of the bird may decree."

* * *

Editor H. A. Nourse, of the *Poultry Herald,* don't believe in open-front poultry houses for "use in Minnesota and nearby states—not by considerable." Well, well, some folks do and are very successful, not only in Minnesota, but farther north in British Columbia. Sorry you don't approve Harold, but we presume many will continue to succeed with open-air methods just the same. If everybody agreed that open-air living is best for man and fowl it might get too crowded out of doors anyway. Mentioning the good work and fine health of some Minnesota flocks in the Maine Station type of curtain-front house, Editor Nourse says: that the hens had been brought up and had always lived under pure air conditions, and that, "Birds unaccustomed to such conditions would not have done as well." Don't fool yourself, neighbor. We received by express in mid-January three fowls that had not been brought up to open-air conditions; they went at once into an always-open-front house, big enough to accommodate 20 birds, and they have lived there in comfort through the very severe weather all by their little threesome lonely. They got right down to the business of egg production soon after arrival, are in the pink of condition and in fine fettle. Use a little common sense in handling open-air kept poultry and you can move fowls from closed houses or the show room into open-front buildings with entire safety. Keep 'em well fed and watered and sheltered from the high winds and they will find comfort.

As an illustration of what can be done in changing to out of doors from warm, close sleeping quarters, when good judgment is used, here is a case in point. A little six-year-old girl accustomed to sleeping in a warm room contracted a severe cold about the middle of last winter. It was a persistent cold that would not respond to the usual treatment. We were having below zero weather at the time. Acting on our advice she was fitted with warm wool garments over her nightie, heavy wool socks, and a knit hood. Then she was put to bed every night under plenty of



Uhl's Day-Old Chicks Are Highest Quality

CAPACITY 35,000 CHICKS PER WEEK

WE have the largest and one of the oldest hatcheries in America. Our catalogue of 100 illustrations will tell you what some of our thousands of satisfied customers have done, and the prizes they won with our chicks. Be sure to send for one if you want to buy some of the very best chicks obtainable, that will double your investment many times in a few months.

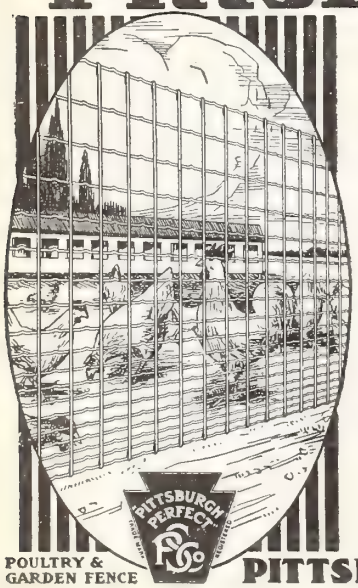
We Furnish 24 Varieties

WHITE, BROWN AND BUFF LEGHORNS
BARRED, WHITE AND BUFF ROCKS
WHITE, BUFF AND BLACK ORPINGTONS
WHITE, SILVER, GOLDEN AND BUFF WYANDOTTES
REDS, BRAHMAS, LANGSHANS, ANCONAS, SPANISH, ETC.

Illustrated Catalog, etc., free

M. UHL & CO., NEW WASHINGTON, O.

"Pittsburgh Perfect"



POULTRY & GARDEN FENCE

The Only ONE-PIECE FENCE Fabric Welded by Electricity

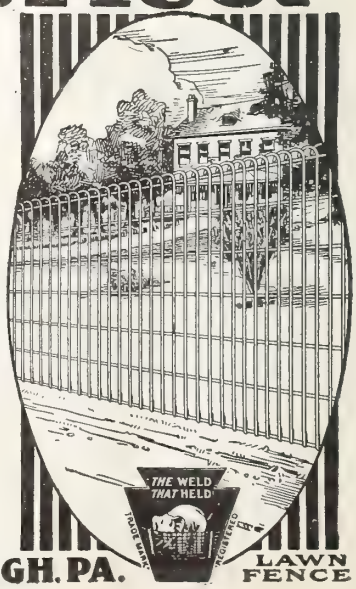
Easily erected. Joints immovable. Wires cannot be slipped or spread. Stands trim and rigid for years. Best looking, strongest, most durable, effective and economical.

All "Pittsburgh Perfect" Fences are made of special-formula Open Hearth wire of high quality, heavily and thoroughly galvanized with pure zinc—the *best* fence wire produced.

Now is the best time to string that fencing you have been thinking about. Write today for our latest catalogue, full of fence-information and showing "Pittsburgh Perfect" Fences scientifically designed for Poultry Yards, Gardens, Lawns, Estates, Fields, Farms and Ranches. Also ask for special circular illustrating our new Fancy Top Lawn Fence.

SOLD BY DEALERS EVERYWHERE

All "Pittsburgh Perfect" Brands of Steel and Wire Products are made from Basic Open Hearth material produced in our Furnaces and Mills from the Ore in our Mines to the Finished Product.



LAWN FENCE

PITTSBURGH STEEL CO., PITTSBURGH, PA.



Do you know that the past season has been one of glorious triumphs for my many customers and proves that

KENNEDY'S

IMPROVED CHAMPION STRAIN SILVER AND GOLDEN

CAMPINES

"The fowls with a character all their own" are the aristocrats of the show room in America! They have won the blue and red in the hands of my many customers at every show of note, such as New York, Boston, Baltimore, Philadelphia, Buffalo, Pittsburgh, Cleveland, Chicago, Los Angeles, Atlanta, Kansas City, St. Louis, Allentown, Hagerstown, Syracuse, as well as from coast to coast in Canada. The question no doubt arises in your mind how do I account for these sweeping triumphs of my many customers, it is easily explained in a few words, "I do not exhibit myself, so take great pleasure in fixing you up right for any show and again, I have no special matings for my private use, but in other words, they are all special matings for my customers."

Eggs For Hatching

Now, if you contemplate purchasing eggs for hatching, do not forget that I make a specialty of supplying same from the grandest birds that are properly mated for best results, and they will unquestionably produce winners. My prices for the season are at the rate of 50c each or $7.50 for 15 eggs as they run from all my grand matings, SELECTED EGGS, or in other words, if you already have a flock of Campines and you want eggs selected from my best females or matings that are strong in the points in which your flock is weak, they are $1.00 each or $15.00 for 15 eggs. Order early, as the demand will far exceed my supply, in fact, on Feb. 1st of this season I had nearly 50% more orders booked for shipment after March 1st than I had last season the same time.

Campines Have Made Good
Are Making Good
And Will Do Still Better

CAMPINEOLOGY

Third Edition.

"The story of the living egg machines." The most costly and complete work ever attempted on Campines will be off the press March 15th. It will be an encyclopaedia on this wonderful fowl, going into matters of interest in detail, as well as a work of artists' and printers' art. If you are at all interested in Campines it will be worth dollars to you—ten cents to pay postage on this DE LUXE publication will be appreciated.

J. FRED N. KENNEDY
Box F **Birch Cliff, Ontario, Canada**

good wool blankets on an open-air sleeping porch. She improved the first night out of doors and in a few days was entirely rid of her cold and has not had another cold since. That case is making a lot of converts for open-air sleeping porches. Open-air and cold sleeping quarters are really very comfortable, more so than indoors, if you only make sensible provision for comfort. Comfort is the whole secret.

* * *

When one wishes to move fowls from warm quarters to an open-front house in cold weather, move them in the warm part of the day. See that they get well filled up with whole corn, wheat and oats. Don't let them go to roost with half-filled or empty crops. See that the roosts are well back from the open front and that there is head room enough above the roosts for the tallest male to stretch and crow without bumping his head, and some room to spare. When you can, fill the house with fowls to its roosting capacity. If afraid of frosted combs and wattles, rub vaseline into them as a preventive. Provide a supply of dry litter well back from the front. Keep them well fed and watered. When there is snow, in very cold weather, we prefer snow to the use of drinkwater as they do not get so wet with it and are less liable to frosting. Eating snow won't hurt the egg yield a bit, they will lay just as many eggs with snow before them as if they had drinking water, only be sure that it is clean and renewed often. If this matter seems a bit out of season to you, blame it on Mr. Nourse for cussing the open-air house. Bet a lot of our readers are in snow country yet.

* * *

The Spokane (Wash.) *Daily Chronicle* is authority for the statement that the Schallinger Produce Company voluntarily delivered 60,480 eggs (from a recent importation from China), at the city crematory to be cremated. A part of this consignment were reported to be sea gull eggs. A bacterial count made by City Bacteriologist M. M. Patton, showed ninety million bacteria in one of these condemned Chinese eggs. The price of Chinese eggs took a decided drop in the local market.

* * *

A. A. Kennard & Co., egg merchants of New York City, have been circulating a cartoon showing "five reasons why you should not pay high prices for eggs this season." This cartoon shows the foreign nations just outside the "Open Door" of the United States. China is represented offering eggs at 7 cents a dozen; Austria with eggs at 12 cents; Germany offers eggs at 11 cents a dozen; Denmark with eggs at 15 cents a dozen and Russia with her offering at 9 cents a dozen. Describing these foreign nation egg producers who are flocking to the open door, is the following comment: "These are not 'Suckers.' The Suckers are inside the door busy keeping prices up on themselves."

* * *

Of course the "Suckers" referred to in the above mentioned cartoon are supposed to be the collectors and wholesale shippers of eggs, whom the "trade" continually damns for paying producers too high a price for eggs. But it should be apparent that egg merchants generally look upon poultry keepers and egg farmers as a race of "Suckers" who will always continue to sell eggs below cost of production and slave year

山の内

Eggs for Hatching from the unrivalled

YAMA

S. C. B.

MINORCAS

THESE are the best Minorca eggs to be had and from the strain that has won the majority of First Prizes every time they have shown in New York and at the N.Y. State Fair.

From our best pens to produce exceptional birds, eggs are $10 for 15.

From our utility flock of Minorcas that lay the largest hen's egg known, they are $3 for 15.

Send for booklet and mating list. Satisfaction guaranteed or money refunded.

YAMA FARMS
NAPANOCH **N. Y.**

Eggs from
YAMA BARRED ROCKS
same prices

after year to faten the purses of the market hogs at the expense of themselves and their families. Don't be a "Sucker." It is high time for American poultrymen to work for themselves and to safeguard their own interests.

* * *

A speaker at the recent big Spring meeting of wholesale egg dealers at Kansas City says that the U. S. Department of Agriculture, the San Francisco Board of Health and the University of California, have all made complete tests of Chinese eggs and found them "good and merchantable." Singular, isn't it? Our National and State Government experts have examined American eggs and found a considerable percentage of them containing injurious microbes, but the stale Oriental egg gets a "clean bill of health" if we are to believe trade reports. This, notwithstanding the fact that the daily press reports Coast cities condemning and cremating unfit foreign eggs and in some tests finding them swarming with millions of bacteria. Who are you going to believe? Is our present government for or against the American hen? If cheap foreign eggs did not promise big opportunities for money making and if the importers had to always eat Chinese eggs or go without, wonder how the tune would play then?

* * *

Market advices predict that foreign eggs will be a big factor in making egg prices this spring. It is expected that domestic new-laid eggs will go into storage at 18 cents the dozen or less. Some shippers claim that Philadelphia and Chicago prices should not be above 16 cents a dozen. What do you think about that, Mr. American Poultrykeeper? Taking this country as a whole and figuring all costs of production, we don't believe you can produce eggs on the farm at a total cost of less than 16 cents a dozen. If shippers expect to lay them down in the big cities at 16 cents, they certainly don't plan to pay the producer more than 10 cents a dozen. Time for somebody to wake up.

* * *

According to reports furnished by Uncle Sam's experts, a good many of the cheap eggs now being shipped us by European countries are reshipments of Asiatic eggs collected for and shipped to big dealers in European trade centers. These Oriental eggs are bound to be "some globe trotters" before they get to this country to delight (?) the inner man. The eagles certainly seem to have hooked their talons into the vitals of the American hen. Wonder what the outcome will be.

* * *

In the editorial columns will be found considerable comment, pro and con, concerning eggs imported from the Far East. Read and form your own conclusions. China eggs have long been made use of by our poultry keepers as nest eggs; they don't spoil unless smashed and heat don't hurt them any. Even incubation for many weeks has failed to hatch a tea set. Wonder if that was the kind of China eggs John Stewart was thinking about when he mentioned that Chinese eggs stand heat with less effect than our eggs. Probably not, since he was pleased with the quality of some he had that were over three months old.

* * *

Government reports indicate an annual loss in eggs amounting to nearly fifty million dollars' worth of the domestic product, because of bad conditions of production, and equally bad conditions of marketing. We need to wake up a bit. It is stated that the consumption of eggs would be greater if our public had greater confidence in the quality. Thought Uncle Sam was striving to improve the quality of farm eggs. If we lack confidence in our own American product, how is it that we are expected to acquire so much confidence in the quality and desirability of eggs from China?

* * *

State and City Health Board officials all over this broad land are raising bear with egg dealers and prosecuting them and condemning lots of storage eggs as not being "healthy, fresh, sound, wholesome or safe for human food." The press and public has urged

STANDARD LINE BRED S. C. W. LEGHORNS EXCLUSIVELY

Chicago Show, 1914 Easling Wins

In the largest class at the show, ALL SPECIALS, SILVER CUP for best display and TEN regular FIRST, SECOND, THIRD and FOURTH PRIZES on my entry of fifteen birds.

My New Policy Is a Winner

UNDER my new policy the cream of the place will be confined to only six pens. Over half of the birds in these pens are actual winners at Chicago and Louisville.

A uniform price will be charged for eggs and chicks from Exhibition matings, which is less than a third of the price formerly asked.

Before you buy get my 1914 policy of doing business. It tells you how I can afford to do this and why you cannot afford to purchase elsewhere. It will greatly interest anyone who breeds White Leghorns, and you will miss something if you don't send me your name and address. **Do So Now.**

Eggs

FROM
FIRST PRIZE
Chicago
Winners
$5.00
Per Fifteen



Chicks

FROM
FIRST PRIZE
Chicago
Winners
$10.00
Per Dozen

1st Prize Cockerel, Chicago, 1914

Have You Ever Heard of Parkside Poultry Farm?

Parkside Farm is not a rich man's hobby. It is a place where prize winners are bred, hatched, raised and sold to people who cannot raise such birds.

I have won more prizes at **Chicago** in the last seven years than all my competitors combined, and my policy of breeding and raising the birds I show meets with the universal approval of all the intelligent breeders who come to me for stock of a quality that will reproduce themselves in natural pure white color, and the very best of type, shape and head points. I have furnished winners for every show of any note, and my stock is better this year than ever before. I have plenty of stock for sale and incubator eggs in 100 to 1,000 lots.

My Catalogue is Free.

THE PARKSIDE POULTRY FARM

N. P. Easling, Prop. - Box 40 - Pekin, Illinois

Ideal Aluminum



LEG BANDS for POULTRY and PIGEONS are the acknowledged leaders. Firmest and most secure lock. GUARANTEED to stay on. Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c; 175-$1.00; 200-$1.10; 500-$2.50. Price list and sample 2c.

Frank Myers, Mfgr., Box 40, Freeport, Ill.

the health board officers on in their work and commended their efforts. Yet, we are asked to believe that these same health board officials find three months old, and older, unrefrigerated Chinese eggs, sound, healthful and wholesome food; while the same public develops a desire and demand for *stale* foreign eggs. Bret Harte said:

"Which I wish to remark—
And my language is plain,—
That for ways that are dark
And for tricks that are vain,
The heathen Chinee is peculiar."
And it is evident that there are others!

* * *

The Progressive Poultry Journal is boosting "Girls' Poultry Clubs" and offers free space to breeders who will donate sittings from standard-bred stock to members of Girls' Clubs. Good work.

* * *

The American Buff Wyandotte Club apears to be a wide awake specialty organization and it represents a very excellent variety. We have kept Buff 'Dottes for a number of years now (never so few as a present when we only have a single pen), and we just won't give them up, though we have more varieties now than we ought to have. Secretary Willmarth sends us a copy of the Club's "Official Bulletin," which publishes Buff Wyandotte news and is self supporting through advertisements of members, and says: "Was interested in your notes for March relative to A. P. A. Bulletin and agree that the A. P. A. should certainly give us the news. Am enclosing a little paper put out by this club which in my humble opinion is ahead of the A. P. A. Bulletin. This bulletin is published by the club, not by an individual. I think A. P. A. Bulletin could be made self supporting by accepting advertisements from members and then giving us the news. A little investigation of American Kennel Club methods of publishing an official organ would be a good thing for the A. P. A. The present methods of the A. P. A. make somewhat of a joke of the official bulletin. I hope your notes will wake some of them up."

Hope so too, but it may be that this is a case where only the clarion notes of Gabriel's trumpet will result in breaking the long, long rest.

* * *

D. Lincoln Orr, Orr's Mills, N. Y., is now getting busy organizing an American White Faverolle Club. He wants to know whether the breeders shall work for clean legs or partially feathered legs in this bewhiskered variety. We admire "Link's" activity and hustle, but sometimes we wish he would get married, settle down and keep out of mischief. We already belong to more organizations than we have any time for, or can afford, and we "balk" right here and now; even if we are beginning to like White Faverolles. We join no more associations unless it be as an honorary and non-assessable member. Nevertheless, we should prefer the White Faverolles with abundant whiskers and clean shanks.

* * *

Defiance Poultry and Pet Stock Association, Defiance, Ohio, has passed a resolution, and forwarded same to Congress, asking that more humane treatment be accorded poultry in the shipping and slaughtering and urging state and national legislation; alleging that market poultry is subjected to much cruelty in cooping and in rough handling during shipping. That there is room for improvement in shipping coops and particularly in the handling of poultry, there is no doubt. When it comes to recommending feeding enroute, it should only be practiced on long shipments and then only according to instructions of shipper, with, in some cases, food supplied by the shipper. We wouldn't want the average express handler to feed poultry for us and would prefer to have the birds fast a day or so. The only humane way to kill poultry is to have them properly stuck and dry-picked by a skilled picker. To us, there does not seem to be any room for maudlin sentiment in the matter of slaughtering. Any killing is bound to be cruel. The only way is to kill quickly with a prompt stick in the brain which, following immediately after a skillful and quick cut of the big vein made through the mouth, ends pain and actually kills the fowl long before muscular movement ceases. The bleeding must and should come first to make the meat fit and make picking easy. With a sharp knife in the hands of a skilled operator, all suffering is reduced to the minimum. The method has been demonstrated before agents of the S. P. C. A., who have pronounced in favor of it. We have, personally, demonstrated the proper method of killing and dry picking from the Atlantic Coast to the foothills of the Ozarks, and we know it is good. The U. S. Department of Agriculture has issued bulletins illustrating and describing, as well as recommending, the operation of bleeding, sticking and dry-picking of poultry, and there is no excuse for anyone who slaughters poultry failing to learn this method.

* * *

On March 7th, by courtesy of E. O. Damon, successful soft roaster grower of North Hanover, Mass., our family dined on fine fat capon. (South Shore soft roaster) just 26 weeks old. Mr. Damon apologized for the bird when he sent it, saying it was not up to his usual high standard of quality. The bird weighed about 10 pounds dressed and no apology was needed for its quality. It was a mighty fine toothsome specimen of poultry meat. Everbody pronounced it good, came back for more, and said that "just chicken" would hereafter seem very ordinary. Some folks won-

CAMPINES
GOLDEN and SILVER
America's Champion Blue Ribbon Strain

At Madison Sq. Garden, N. Y., Boston and Baltimore, America's three Greatest Shows, **my birds won more First Prizes than all competitors** combined, winning **17 First Prizes** and **20 Specials**, also over **20 other Regular Prizes** completing an unparalleled record.

My pens are now mated and I am offering you eggs from these grand birds as follows; One special pen of each variety at $2 per egg, three pens of each variety at $1 per egg. All other matings fifty cents per egg. All clear eggs will be replaced once and absolute satisfaction guaranteed.

A few excellent Breeders for sale. **Write for Catalogue.**

E. F. DEAN **Box B** **Williamsport, Pa.**

HATCHING EGGS
Pens 1-3 - $15.00 Setting
Pens 4-6 - $10.00 Setting
Pens 7-15 - $5.00 Setting
Guaranteed 100 Per Cent Fertile
Pens 15-20 - $2.50 Setting
Guaranteed 90 Per Cent Fertile
UTILITY EGGS
$1.50 Per Setting
$7.00 Per Hundred
$6.00 Per Thousand
Guaranteed 90 Per Cent Fertile

GRANOCK FARMS' S. C. WHITE LEGHORNS

Have Won at Such Shows as Grand Central Palace, N. Y., Buffalo and Philadelphia, This Year

They are bred for egg production as well as show qualities. **We guarantee satisfaction and full value for your money.** Make a noise like an order and we will prove to you that we can satisfy you like we have hundreds of others. 1914 Catalog and mating list **free.** Send for one **now.**

COCKERELS! COCKERELS! COCKERELS! Sold only under a guarantee to please. $4.00, $7.50 and $10.00 each. LONG BACKED PULLETS—$2.50 and $5.00 each.

Do not delay. Write us your wants now, today.

GRANOCK FARMS **Stewart Haddock** **POUGHKEEPSIE, N. Y.**

BIRD'S PARTRIDGE ROCKS

Win all Firsts Competed for at the Great Chicago and New York Shows, Dec. 1913

The above record in hot competition is the greatest ever made in the history of the breed. Every winner from our own yards. The grandest exhibition and breeding birds for sale. Our strain will win you prizes and make money for you. Get our catalog containing details of our wonderful prize records, etc. EGGS from America's Undisputed Champions at **$10 per 15.**

GIANT BRONZE TURKEYS

Again they Gobble, Gobble, Gobble, "The World's Champion Bronze"

At Madison Square Garden, December, 1913, in the hottest competition, our turkeys made their greatest record by winning 19 of the 25 prizes, including all the firsts. Every winner from our own yards except fourth cockerel. We will please you with the the best exhibition and breeding birds at right prices. Satisfaction or your money back. Write wants. Eggs in season. Catalog.

BIRD BROS., MEYERSDALE, PA.

der why soft roasters bring such fancy prices; they sell at retail in Boston market at from 45 to 50 cents a pound when common chicken meat sells at 20 to 25 cents a pound. The reason is easy to tell; well made soft roaster meat is worth twice as much per pound to eat, if you like good things and can afford the price. South Shore soft roaster or winter grown chicken is scientifically grown into full, soft-meated excellence and fairly melts in the mouth. It is as different from ordinary chicken meat as real-cream, home-made ice cream is from the rubbery cornstarch-thickened article that has little of the good family cow's product in it. We have eaten chicken in many states, western chickens, Michigan soft roasters, Philadelphia capons and home-grown ones, but always the quick-grown soft roaster, of the South Shore specialists, tickles our palate best and makes a feeling of great contentment beneath the belt. We note that when a Massachusetts poultryman wants a specially good dinner, he doesn't choose frozen or refrigerated poultry like that oft quoted New York marketman, but he gets a good prime, juicy, soft roaster, fresh killed and promptly drawn; has it cooked by a cook that knows how and then challenges the world to show anything better and more delectable in the line of chicken meat. Somebody ought to give the *Country Gentleman* staff and some of our government experts a real taste of well-cooked soft roaster—then, maybe, we would hear less about the wonderful virtues of frozen and cold storage poultry. If we let the packing interests control our reading matter it won't be long before they try to force us to believe that stale and frozen foodstuffs are preferable to the new, fresh article. Selah!

"Success With Hens."

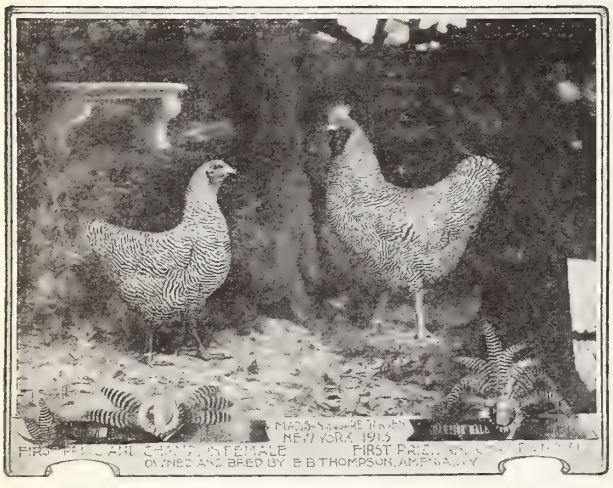
Raise chickens and thereby reduce the cost of living, and have a lot of fun doing it, is the advice of Robert Joos in his book, "Success with Hens," just published by Forbes & Co., Chicago ($1.00). This is a complete guide to poultry raising that thoroughly covers the subject by an expert. It is clear, practical and up-to-date.

The fifty-five chapters give full directions for the hatching and brooding of chickens, incubation, feeding and housing, increasing the egg supply, cure of diseases, the marketing of eggs and fowls and everything pertaining to the care of hens.

Nothing is given but the best methods and only those which have been proved by the experience of successful poultry keepers. The small and large poultryman, the beginner and the expe-

E·B·Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Are Fashion's Proudest Birds



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

The record of my Barred Rocks at Madison Square Garden, 1913 and 1914—two years in succession—is the Capstone to their unexampled record for twenty-six years. For these achievements see opposite page and back cover page.

You are now thinking about eggs to produce the Silver Cup and Blue Ribbon winners for next season's shows

Think of the great satisfaction of winning prizes on birds you raise with your own hands—from the time the chick first sees daylight until the Blue Ribbon hangs on the coop in the show room. The delight of winning on a bird you owned all its lifetime cannot be described.

My Imperial "Ringlet" Eggs will prove a splendid investment

You may raise a single chick worth twenty times the cost of the eggs—a bird worth hundreds of dollars—hundreds of my customers have done this. Remember, the first prize cockerel or pullet at a great show always comes out of one egg.

The birds in my matings have wondrous beauty of even blue color and narrow, sharp, evenly divided "Ringlet" bars, outside and to the skin. They have fine heads, grand size, majestic shape, stylish carriage, good length bodies and backs of great breadth carried to low, well spread tails; besides they are the richest first prize New York winning blood in the world.

My Eggs are the best that money can buy—They produce first prize birds

To produce the finest first prize show birds demands ths highest degree of expert knowledge—My birds are mated by my own hand.

Cockerel from "Ringlet" Eggs wins 6 first prizes

Mr. E. B. Thompson, Madoc, Ont., Apri 1, 1913.
Dear Sir:—
Kindly quote prices on one setting of eggs from your best cockerel mating pen. Out of the last eggs I got from you I raised a male bird that won 6 first prizes last year. He has never been beaten.
Truly yours, A. H. Watson.

My matings are wonderful in their high quality and blood lines

Barred Rock breeders who visit my farm declare my matings are unequalled. I strongly urge all Barred Rock Fanciers to come and see these matings—they cannot be equalled in all America and I want you to see them—yon need this Imperial "Ringlet" blood and barring to win prizes.

I Will Help You to GREATER SUCCESS and LARGER PROFITS

Richly illustrated 70-page catalogue upon request.

EGGS from the finest Exhibition Matings in the World, $10.00 per setting; four settings $35.00; one hundred eggs $60.00.

E. B. Thompson

Lock Box 510, Amenia, N. Y.

rienced, will find this book indispensable. It will reduce losses and increase profits.

—o—

Important Announcement — Coliseum Show.

The Red Breeders' Club of the World will hold their annual meeting in connection with this exhibition and more than $200 in cash will be offered in prizes. The Red class for 1914 will be equally divided between James A. Tucker and A. F. Kummer. Where Mr. Tucker judges cocks in one class he will judge cockerels in the other class, and vice versa all the way through, so that every breeder will have a chance at both judges in the two varieties.

The Silver Wyandotte Club of America will hold their annual meeting in Chicago and more than $500 in cash and special prizes has already been offered. It is quite likely that three or four judges will be assigned to this class—perhaps one judge for cocks, one for hens, one for cockerels, one for pullets, and then two judges on old and young pens. This suggestion has been made by Wyandotte breeders and will very likely be acted upon. The judges that will probably be selected are: Shellabarger, Pierce, Kummer and Johnston.

The Barred Rock class will be divided as follows: Shellabarger, all exhibition birds; Branch, all pullet mated entries; Johnston, all cockerel mated entries.

H. A. Pickett will judge all water fowls; Branch will judge turkeys; Tucker will judge Cornish; Dr. H. P. Clarke will judge Campines and Buttercups; Kummer will judge Brown Leghorns and Rose Comb White Leghorns; Smith will judge Single Comb White Leghorns; Hark will judge Partridge Rocks and Partridge Wyandottes; Whitney will judge Minorcas, and White Wyandottes will likely be divided between Whitney and Pierce, as last year; Wells will judge Buff Rocks; Hale, White and Columbian Rocks; Pierce, Light Brahmas and Colored Wyandottes; Johnston, Langshans; McCord, White and Buff Orpingtons; Greenwood, Black and Blue Orpingtons; Pickett, Anconas, Buckeyes and White Rocks; Taylor will likely judge Andalusians, depending upon the club meeting.

Other classes will be divided among the judges, so that all awards may be made not later than Saturday night, December 12th.

This announcement is made early, so that all exhibitors may know in advance who will judge the important classes. Remember the dates, December 11-16. All inquiries for premium list are addressed and filed as they come in. Premium list will be mailed November 1st. Entries

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Win the most remarkable record beyond all precedent in Barred Rock history at the imperial and most classic show of all America—Madison Square Garden, New York—winter of 1913, winning as follows:

First, second, sixth and eighth on cockerels.

First and sixth on pullets.

First, second and fifth on exhibition pens.

First on cockerel mated pen.

Second, third, fourth and fifth on cocks.

The Imperial Prize of the show, Sweepstakes special for champion male.

Sweepstakes special for champion female.

Diploma presented by the Amer. Poultry Ass'n for best cockerel.

Sweepstakes cup for best Plymouth Rock hatched in 1912, male or female, any variety.

Challenge silver cup for best exhibition pen.

Special best shaped male.

Special best colored male.

Special best colored female.

Best cock, cockerel, hen and pullet, four best cockerels, four best pullets, $25 special prize, presented by the New York Show for finest display.

All silver cups and cash specials—four times as many first prizes as any competitor.

More first prizes than all competitors combined. More first, regular and special prizes than won by any exhibitor of any breed.

My Exhibit of 56 Birds Was the Best the World Had Ever Seen

Furthermore—The "Ringlets," exhibited by me personally, have won at New York a grand total of 32 First Prizes—more than double the number ever won by any competitor. No other Barred Rock breeder in the world has ever won more than 13 First Prizes in the entire history of the New York Show. **Mark the Difference.**

I am the only living Barred Rock breeder who has ever won all the Regular and Special Prizes on Pullets at a single New York Show, viz: **1st, 2nd, 3rd, 4th and 5th;** All the Regular and Special Prizes on Cockerels, viz: **1st, 2nd, 3rd, 4th and 5th** at one show. Both Sweepstakes Champion Male and Sweepstakes Champion Female at one and the same show in Madison Square Garden.

The Imperial "Ringlets" Are The Standard By Which All Other Barred Rocks Are Judged

To meet success in winning prizes you must have my birds and eggs. I will sell you grand exhibition birds for any show, and breeders of this Richest First Prize, N. Y., blood mated to produce prize winners. Richly illustrated 70-page catalog upon request. It is full of original pictures of New York winners from life. When writing mention Am. Poultry Journal.

See my ad on back cover page for wonderful 1914 record at New York

E. B. Thompson

EGGS from the finest matings in the world, $10 per setting; four settings, $35; 100 eggs, $60.

Lock Box 510, Amenia, N. Y.



"Ringlet" First Prize Ckl. and Champion Male at Madison Square Garden, N. Y., 1910-1911. Sire of First Prize Champion Ckl., 1913. Grandsire of First Prize Champion Cockerel, 1914 at this same show.

Single Comb Dark Ruby Reds

First Prize and Champion Buff Orpington Ducks

BEAR IN MIND: That I was the first breeder in the West to breed Dark Reds. The blood lines of my strain flows in the largest and best flocks in this country. I have mated five yards all dark birds. Eggs $3.00 and $4.00 per set. You cannot buy better no matter what price you pay. Ask for mating list, it's free.

FRED W. OERTEL BOX X BRIGHTON, ILLINOIS

April is Nature's Best Month



To start with **PAPE'S SINGLE COMB BLACK MINORCAS· THEY ARE WORTH WHILE.** They have won Championship Honors at Chicago, New York, Memphis, New Orleans, Cincinnati, etc., and are acknowledged **the greatest of all large white egg producers.** A FESTIVAL OF BARGAINS—Am offering pairs, trios and pens that will start you on a paying basis and cock birds and cockerels that will improve any flock, shipped on approval at introductory prices.



"We hold our own in any competition"

Our free 1914 Mating List, chicks, as well as **Eggs that will hatch are now ready for delivery.** One customer reports 97 thrifty chicks out of 102 eggs. Write your requirements. I will help you

CHARLES G. PAPE

Box B-74 FORT WAYNE, IND.

NICHOLSON'S ROYAL BLUE ORPINGTONS AND BARRED ROCKS

First Prize Winners
Season 1914
New York Boston
Chicago

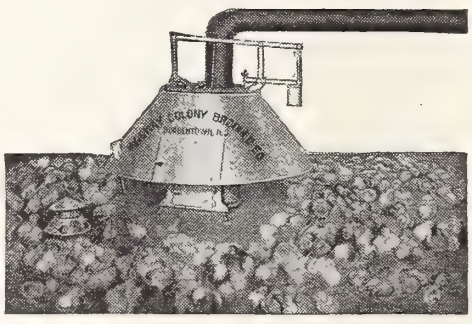
Won more First Prizes on Blue Orpingtons at above Shows than the rest of the breeders of the United States and England combined, who exhibited at above Shows.

HALDIE NICHOLSON, Box 4, LEOMINSTER, MASS.

Sleep in Comfort!

—Your chicks are doing so if they are being cared for by the

MacKay Colony Brooder



Heavy cast iron stove, with fire box large enough to hold coal for the entire night.

Hopper feed which prevents coal from clogging, and causes the inside damper to seat true when the fire is checked.

Real, workable drafts, top and bottom, operated in conjunction with damper by thermostat, which maintain correct temperature at all times, keep coal bills down to a minimum, and absolutely prevent the escape of gas into the house.

Specially designed grate, which has neither bolt nor screw to wear or rust, and which can be removed and replaced in a few seconds without otherwise disturbing the stove.

MACKAY COLONY BROODER CO.

Bonaparte Park Poultry Ranch Box 24, BORDENTOWN, N. J.

close November 25th. For full information address

THEO. HEWES, Secretary.
Indianapolis, Ind.

—o—

American Poultry Association Annual Election, 1914—Nominations.

Statement showing the five candidates for each office, receiving the highest number of votes; and the number of votes cast for each nominee for all offices of the association:

President.

E. B. Thompson, Amenia, N. Y....490
E. E. Richards, Cedar Rapids, Ia...105
A. A. Peters, Denver, Colo..... 10
Henry Steinmesch, St. Louis, Mo.. 8
Reese V. Hicks, Topeka, Kan..... 7

First Vice-President.

Jos. Russell, Toronto, Ont.....348
A. A. Peters, Denver, Colo.....144
W. C. Cleckley, Augusta, Ga..... 95
Louis Lee Haggin, Lexington, Ky. 11
S. J. Hopper, Dallas, Texas..... 5

Second Vice-President.

A. A. Peters, Denver, Colo.....263
Louis Lee Haggin, Lexington, Ky..173
Jos. Russell, Toronto, Ont..... 41
W. C. Cleckley, Augusta, Ga..... 23
Geo. O. Brown, Baltimore, Md..... 5

Secretary.

S. T. Campbell, Mansfield, Ohio....914
M. A. Northup, Orangeburg, N. Y.. 15
John A. Murkin, Nashville, Tenn.. 12
O. L. McCord, Peoria, Ill..... 9
T. E. Quisenberry, Mountain Grove, Mo. 4

Executive Committee.

Earl Hemenway, South Haven, Mich. 277
H. H. Collier, Tacoma, Wash.....260
C. M. Bryant, Boston, Mass.....254
N. R. Nye, Leavenworth, Kan.....203
S. J. Hopper, Dallas, Tex.....158
A. C. Hawkins, Lancaster, Mass...158
Chas. McCaffree, Howard, S. D.... 97
R. E. Bruce, New Orleans, La..... 88
J. M. Parker, Creston, Mont..... 71
M. F. Delano, Vineyard Haven, Mass. 51
M. F. Schultes, Bartlett, Tenn..... 50
Henry Steinmesch, St. Louis, Mo.. 41
R. V. Hicks, Topeka, Kan..... 28
Richard Oke, London, Ont..... 21
W. M. Coates, Vancouver, B. C..... 19

Place of Holding 39th Annual Meeting.

Detroit, Mich. 397
Chicago, Ill. 174
Indianapolis, Ind. 80
Washington, D. C..... 31
Houston, Texas..... 12

Time of Holding 39th Annual Meeting.

Second week of August.....391
Third week of August..... 72
First week of August..... 22
Fourth week of August..... 19
First week of September..... 13

O. L. McCord,
Election Commissioner.
929-30 Jefferson Building,
Peoria, Ill.



35 VARIETIES Chickens, Ducks, Geese, Turkeys, O. I. C. Hogs, STOCK AND EGGS. REDUCED PRICES. Big new Illustrated circular, better than ever. FREE. John E. Heatwole, Harrisonburg, Va.

THE FAVORITE LEG BANDS With Raised Figures



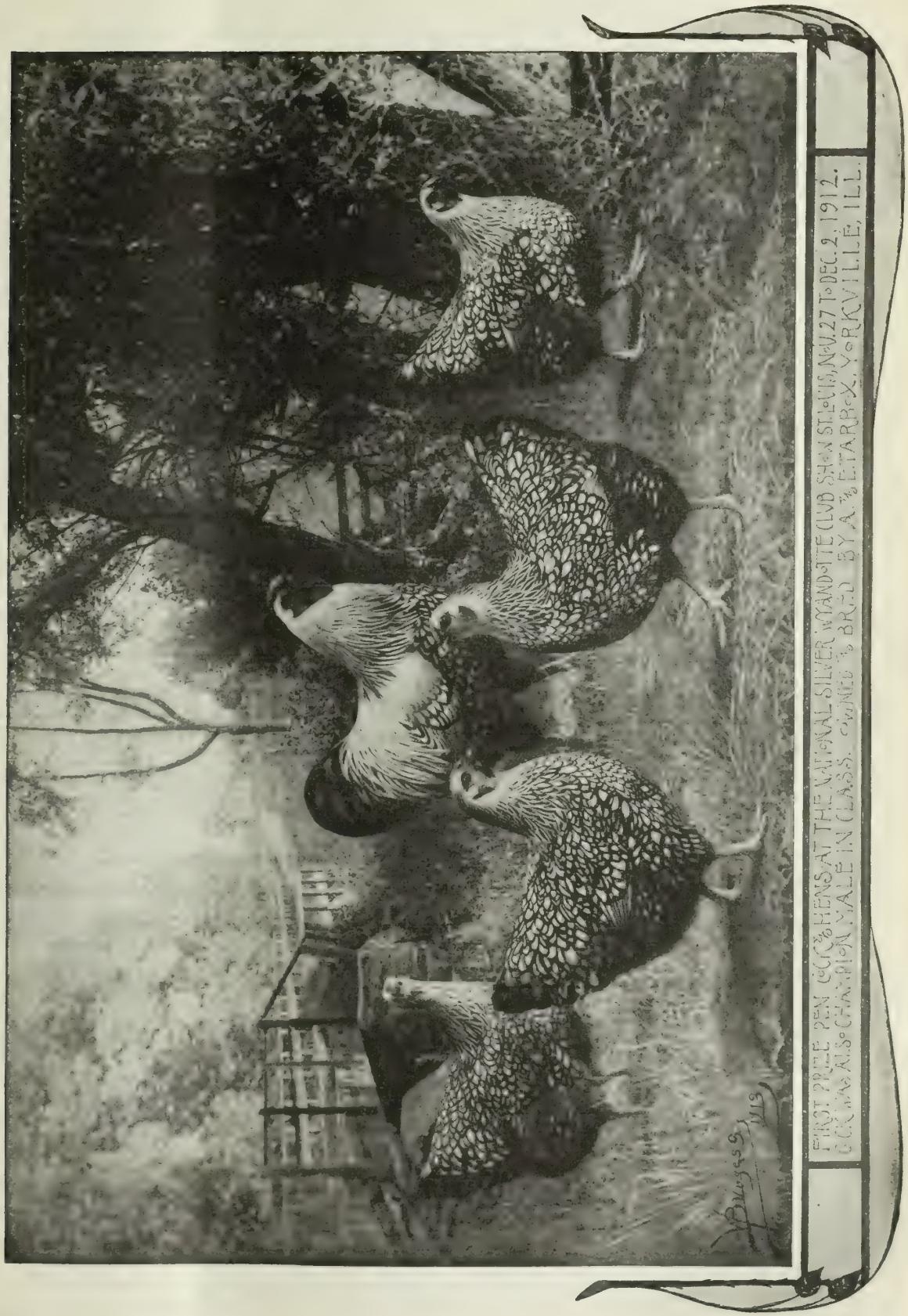
Six Sizes

Made from Aluminum, strong, durable, smooth edges.

THE CAPITAL



PRICES, EITHER KIND:
12 for 15c. 25-25c. 50-40c. 100-65c.
CHAS. L. STILES,
232 N. 3rd. St. Columbus, Ohio Adjustable


FIRST PRIZE PEN COCK & HENS AT THE NATIONAL SILVER WYANDOTTE CLUB SHOW ST. LOUIS, NOV. 27 TO DEC. 2, 1912.
COCK ALSO CHAMPION MALE IN CLASS. OWNED & BRED BY A. E. TARBOX, YORKVILLE, ILL.

Geo. H. Northup to Mr. Ralph Roudebush and Others.

Mr. Editor:—

Will you allow me space in your valued journal to say to Mr. Ralph Roudebush and others that I have never written any testimonial for Mr. Roudebush or his Minorcas; that I don't remember of ever seeing him or his Rose Comb White Minorcas that he owns or ever owned; that I never have declared him the originator of the Rose Comb White Minorcas, and I believe he did not originate them. Mr. A. E. Walton, of Upper Sandusky, Ohio, wrote me in about 1892 that he had been breeding Rose Comb White Minorcas since about 1886, and I believe that Mrs. Osborn, of Fabius, N. Y., was breeding and exhibiting Rose Comb White Minorcas long before Mr. Roudebush was ever heard of as a breeder.

I quote here a letter from Mr. Roudebush, in which he asked me to sign and return a testimonial which he had written, which I refused to do. He has since published the same testimonial in his catalogue over my name:

Hope, Ind., May 27, 1913.

Mr. Geo. H. Northup,
Middle Granville, N. Y.

Dear Mr. Northup: As you are known far and wide as the Minorca King of the world and an expert poultry judge of all varieties of poultry is my foundation for writing you this letter.

You have saw and passed upon my stock either in my hands or my customers at some of the leading shows of America, and I would like for you to please sign the following slip of paper which I am enclosing or one similar to it and return it to me at once in the stamped envelope enclosed herewith.

If you will do me the favor I will try and return it to you when ever the opportunity affords me to and with the greatest of pleasure.

Thanking you in advance for this kind favor, I beg to remain,

Yours very Respt.,
Ralph Roudebush.

Here is a copy of the testimonial which Mr. Roudebush sent me to sign:

Middle Granville, N. Y., May 30, 1913.

There is hardly a show any more but what I find the Rose Comb White Minorcas bred and originated by Ralph Roudebush in the lead either when shown in his hands or his customers.

He has mastered the problem and is now the proud originator of the best strain of Rose Comb White Minorcas on earth.

Yours truly,
_____.

I quote here a portion of my reply to Mr. Roudebush:

"Granville, N. Y., June 9, 1913.

"Ralph Roudebush, Esq., Hope, Ind.

"My Dear Sir:—Your letter of May 27th arrived in good time and ought to have been answered before.

"You have asked me to sign the testimonial that you have enclosed and return to you. If I knew it was fully true it would give me great pleasure to sign the testimonial and return with this. Somehow, I do not remember of having judged any of your birds, though I may have judged them in many different shows, in different states. My work as judge has been from six to ten states a year for many years, and it is not strange that I do not remember your exhibits. If you will give me a list of the shows where you have exhibited your Rose Comb White Minorcas, where I have acted as judge, or the shows where I have judged your customers' birds, giving their names and addresses, I will then only be too glad to write you a testimonial embracing these winnings and adding any good word for your exhibits that their merit justifies, and I will make the testimonial as strong as possible and do all I can to help you make your birds more popular.

"Please understand that I am not disputing your claims, but I would not sign your testimonial when I have no recollection of having seen any of your Minorcas and I cannot think you would want me to. As soon as you give me the facts I will prepare a good testimonial and send you. Yours very truly, Geo. H. Northup."

Mr. Roudebush has never given me any reply to the above, and I have not written him since. I have, however, perfect proof that Mr. Roudebush received my letter.

1. I wish this article of explanation published in your journal as soon as possible, that your readers will not longer be deceived by the testimonial in Mr. Roudebush's poultry catalogue which appears over my name.

2. I wish it to appear, to answer many who have written me, after reading the testimonial, if I really think Mr. Roudebush did originate the Rose Comb Minorcas. And last, but not least, that the truth may be known.

Yours truly, Geo. H. Northup.

Granville, N. Y., March 14, 1914.

Great Prize Contest for Chick Growers. See Page 653

Columbian Wyandottes

After having won every first at every southern show and all shape and color specials and 16 silver cups, I stood on the Mount of Victory looking, like Alexander, for new worlds to conquer, so I tackled Madison Square Garden, but as that show came at the same time as the big Tampa show, I could not send all my good birds to either show, so divided them up, **winning at Tampa** 1-4-5 cock, 1-2-3-4-5 hen, 18 in class; 1-2-3-4-5 cockerel, 19 in class; 1-2-5 pullet, 1-3-5 pen, special for best cock, cockerel, hen, pullet and pen, special for five best hens; special for 5 best cockerels; best display in American class; best display Wyandottes, all shape and color specials; best Columbian Wyandotte in show, Columbian Wyandotte Club cup. At **MADISON SQUARE GARDEN** won first hen and color special—(mind you, for a hen)—fourth cock, fifth pen, and my wonderful hen was the sensation of the show.

I now offer you eggs from these grand birds of the choicest matings at $5.00 per setting.

A grand lot of the finest cockerels for sale at equally low prices.

J. H. WENDLER -:- -:- **LAKELAND, FLORIDA**



FELL'S FAMOUS WHITE WYANDOTTES AT NEW YORK

Madison Square Garden, December 26th to 31st, 1913, win the most wonderful record by defeating all Champions. No other breeder has ever made such wonderful winnings at New York. My winnings complete are:—

First Cock, First and Third Hen, Second, Third and Fourth Cockerel, Second and Fifth Pullet, First Pen, First Display.

I have won First Cock four times, First Hen twice, First Cockerel once, First Pullet twice, First Pen three times, First Display three times in four showings at New York. Catalogue of the finest White Wyandottes ready Jan. 15th.

A. J. FELL Box J West Point, Pa.



RANDOM OBSERVATIONS.

READ.

Keep thinking.

Ever convince anybody?

Join some poultry association.

The majority is always wrong.

Hens transmit fecundity to their daughters.

Do not practice a method not adapted to your locality.

Neglecting to feed green stuff is dangerous, and bad results will appear sooner or later.

The old way of marketing produce, whether eggs or egg plants, honey or horseradish, beans or bananas, is doomed.

In the old days, debates at A. P. A. meetings were more orderly and dignified than some that have been held of late years.

Science is simply knowledge reduced to order. Scientific production somehow seems to scare some people; but you can do nothing, not even tie your shoe, without science.

When fowls, young or old, run towards you "like all possessed," as the old-time phrase was, something is wrong. Ditto when they run away from you. The sublime indifference arising from food always before them is the thing.

You can have roosts out of doors farther north than you think. The strength gained by breathing fresh, pure air makes fowls rugged and they acquire an astonishing indifference to bad weather, just exactly as sleeping in porch bedroom does.

At present, utility men do well to go to fanciers for their stock, and the higher up the fancier is as an expert, the better; but after a while as utility men become more numerous they will do well to go to each other for new blood. They will have better stock for their purposes than any fancier will have.

Trap nesting for removing drones, care in breeding for high average laying records, scrupulous attention given to the highest degree of health and thrift possible, perfect cleanliness and order all over the premises, and the best known foods and methods of feeding used—all these may be combined at a poultry plant, and yet there may be no profits and the business may actually run behind.

If the National Department of Agriculture would compile a digest of all poultry bulletins of its own and all that the states have ever issued, with information as to which are out of print, and price of those available, if they are not free, and send such a digest free to all applicants, and for publication to the farm papers, and especially to the poultry papers, how wonderfully helpful to poultrymen the department would be!

When a hen steals her nest and is never disturbed at all, and her eggs accumulate from day to day, does she sometimes or always turn them when she visits her nest to lay? Reader, can you give the desired information? It is what we have long wanted to know, among a great many other things, but never had time yet to stay in ambush and watch with the patience of Audubon, Thoreau, Baynes, Seton or Burrows and find out.

The emigrants from southwest Europe may be useful, after a sort, "as mud sills of society" to do rough, coarse work in mines and on farms, but the trouble is that in the long run they will intermarry with other classes and spoil the American breed, the best history has ever known. It is to be hoped that none of us are like the orator who had crooked his elbow too many times and shouted, "What do we care for posterity? What has posterity ever done for us?"

The stations, between them, should tell how long, in cases of different breeds, and different parts of the country, it pays to keep hens for the sake of their eggs for the food market. Something has been done in this line, but not enough. This matter is extremely important. Millions of dollars depend on whether hens are turned off too early, or too late, or just right. Let it be remembered that the immense number of layers in the country are in question, since it is appointed to them all at once to die, hence the great importance of this matter.

* * * *

Not Too Particular.

It has been well said that it is not necessary that eggs in an incubator be always kept to a particular temperature, just to a nicety of a fraction of a hair, in order to hatch pretty well, for nature allows considerable leeway. A good authority, speaking of feeding young chicks, says that although there is only one best way, they will thrive under quite diverse methods if the general management is good, and the younglings were well hatched from strong-germed eggs. Also that in feeding layers there is no precise method absolutely necessary, and if the plan you are following gives good results you need not vex your righteous soul by making changes.

* * * *

It is written in the book of health

Baby Chix and Dux

Niagara Celebrated Strains that made possible the
Largest Successful Poultry Plant in the World.

Single Comb White Leghorns, White Wyandottes, White Plymouth Rocks, Rose and Single Comb Rhode Island Reds. Mammoth Pekin and White and Fawn Runner Ducks. **Eggs for Hatching.** Choice Exhibition and Utility Strains.

CUT CLOVER AND POULTRY SUPPLIES

NIAGARA FARMS

W. R. Curtiss & Co. :: **Ransomville, N. Y.**

that the mosquito is, or may be, a tremendous curse. We said "may be." It is a curious fact that so long as not a mosquito in a district lately settled has ever contracted malaria, mosquito bites cannot give malaria to anybody. But let a person who has contracted malaria elsewhere come to the district, the mosquitoes may bite him and contract the disease from him and then carry it to the people they may bite later, and these malarious people may inflict other mosquitoes, to inflict other people, and so on and on, "endless chain" style. Moral: Do not settle in a mosquito infested district in Texas or anywhere else.

* * * *

Soil Very Important.

The advantage of a poultry establishment being located where the soil is very fine and soft is that fowls will be tempted to dust themselves much oftener and more thoroughly than they would do otherwise. Taking a real good thorough dust bath demands a surprising lot of strength. Watch a vigorous fowl at this work and see how much exertion there is about it. It is a job that is never performed well unless the soil is right. It is really pathetic to see the ineffectual attempts fowls make to become vermin free when the soil is gravelly, clayey, or of coarse sand. They tumble and shuffle around in the latter easily enough, but it does little good, because it cannot enter the breathing holes of vermin and so suffocate them. Very fine sand or loam is what is needed. Gravel hurts fowls' wings and discourages them from working.

* * * *

The Overeating Scare.

If anybody is afraid that fowls, young or old, will overeat by being allowed to have at all times all they want of well adapted kinds of food, embracing always green stuff, some form of animal food, at least one sort of extremely carbonaceous grain and another rich in protein, then I ask what becomes of the health of cattle that stay for six months on a stretch in a rich pasture?

Dr. Woods Hutchinson says that the nations and the individuals of any nation that always have all they want of the richest, most nutritious food are the healthiest and the most efficient and rule the world, and always have done so. That the crying evil is not so much overeating by people in the most prosperous class as undereating in the class of the poor, such as unfortunately exists in the wealthiest nations.

* * * *

Nature In Disease.

"Hens will greedily eat the herb that will make them lay the better."—Mortimer.

The above is copied from Webster's Unabridged where meaning of the word "lay" is illustrated. Who "Mortimer" was, I know not, but the phraseology indicates that he was a writer of old English days. Evidently he studied nature and found out that in matters of diet fowls know what they are about.

Not only is appetite a correct guide in selecting food when there is health, but in illness a craving for something unusual indicates exactly what is needed. A good illustration is found in hookworm patients. It has long been known that the lowest of the "poor white trash" of the South numbered many "clay eaters," but why they should want to eat clay was a mystery. When the hookworm infestation and the life history of the parasite were discovered it became known that the creature lived upon the red corpuscles of its victim's blood, causing the pale and bloodless appearance of the patient. Now the red of the corpuscles being made up of iron oxide and the clay containing a large proportion of the same substance, lo and behold, without the aid of doctor or druggist, the hookworm sufferer instinctively prescribed for himself just the iron that was needed. The lower animals also instinctively prescribe for some of their ailments. As everybody knows, when a dog or cat is "off its trolley," it will doctor itself with fresh grass or weeds.

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Concerning High Prices.

There has been much discussion of late anent the high prices of eggs and grain. Here are some facts obtained in

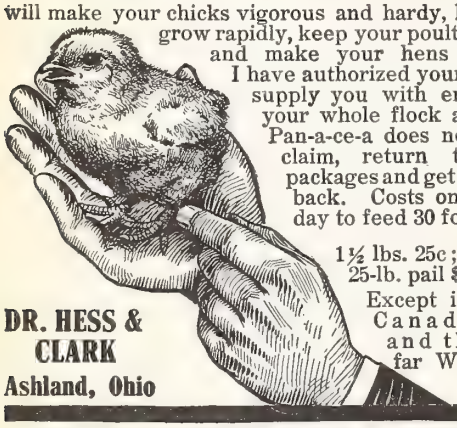
Save All Your Chicks

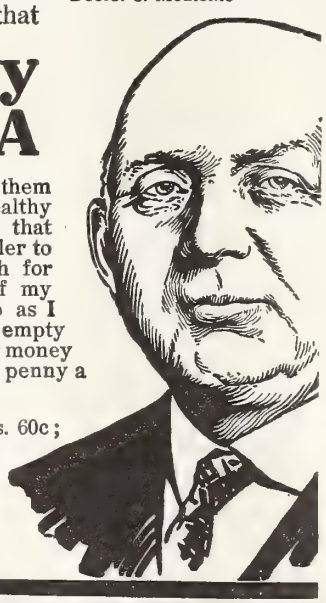
More than half the yearly hatch die through Gapes, Leg Weakness and Indigestion. I can save most of this loss for you. So sure am I that

GILBERT HESS
Doctor of Veterinary Science
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Dr. Hess Poultry PAN-A-CE-A

will make your chicks vigorous and hardy, help them grow rapidly, keep your poultry healthy and make your hens lay, that I have authorized your dealer to supply you with enough for your whole flock and if my Pan-a-ce-a does not do as I claim, return the empty packages and get your money back. Costs only a penny a day to feed 30 fowl.





1½ lbs. 25c; 5 lbs. 60c; 25-lb. pail $2.50.
Except in Canada and the far West.

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Ashland, Ohio

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Get the whole story in my great free book "Hatching Facts." It tells you how the Belle City Hatcher has won eight world's championships in competition with machines costing three and four times as much. Poultry raisers, men and women, tell you the stories of big successes in their own words. Thousands of 100 per cent perfect hatches are made by the Belle City. More than a quarter of a million Belle City Hatchers are now in use. Get the book. Satisfy yourself about this wonderful

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I guarantee to send you an exact duplicate of the World's Championship Machines

My big book—free to you—illustrates *in actual colors* the Belle City—the kind chosen by the U. S. Government—the kind used by leading agricultural colleges—the kind that wins world's championships every year. With the book I give you my low price. The greatest incubator bargain ever offered.



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Postal Brings the Book, "Hatching Facts"

That's the book you want, whether you are in the poultry business on a large or small scale. "Hatching Facts" has information for every member of the family. Tells you how to make big money—gives you my personal money-back guarantee. Just write, "Send me Hatching Facts," and my whole interesting proposition will come to you free. Jim Rohan, Pres.

Belle City Incubator Co. Box 27 Racine, Wis.

Buffalo county, Neb., exactly halfway between the Atlantic and Pacific oceans, and owing to its distance from each and also from the lakes and the gulf, grain is generally cheaper there than in any other part of the country. This county leads all others in Nebraska in the production of poultry products, though it is small in area compared with many.

Well, now, eggs this last winter were 35 cents at Kearney, the county seat, and at times hard to get at that. During twenty-eight years previously price had never been over 25 cents, except for very brief spells in the winter when it had reached 30 cents a few times. Through the winter 15 cents was usually the price and considered "big." In summer, eggs sometimes sold three dozen for a quarter, but commonly the price was 10 cents. Yet note that in this particular locality and everywhere else nearly, as Journal has lately proved very conclusively, food for poultry has risen in cost faster than has the price of eggs. At the locality mentioned corn was once 10 cents per bushel, delivered, or 8 cents if purchaser hauled it. When corn was 15 cents per bushel, eggs were 10 cents a dozen in summer and 15 cents in winter. Now lately corn has been 60 cents. To be the same proportion as years ago, eggs at Kearney should have been 60 cents or occasionally 70 cents a dozen all last winter, instead of 30 cents generally and 35 cents rarely, as was the case.

* * * *

Public Vs. Private Management.

People who are afraid that if the government takes over the express business a great bureaucracy of employes will grow up which will harbor much slack work and inefficiency, may be excused for their fears, since they see that in government offices at Washington there are many clerks who do not earn the salt in their porridge.

Where the idling is not the worst by any means, in many cases three men do no more than the proper work for one. It is notorious that when employes work for the public, say for a city, they move as slow as molasses in cold weather. One quick glance through the window will tell you whether the gang in the street is working for a contractor who has taken a job or for the city direct.

But in mail work, involving parcel post with express added, there will be no shirking, and never has been any under the old order in mail-car and postoffice service, for the time table is an inexorable master who governs everything. Every employe is controlled by it and cannot help himself, for he must rush his mail along or there will be congestion and no end of trouble. The quicker he can push things and get rid of one batch of stuff before another comes, the easier it will be in the end. In the service once I was detailed to have charge of the mails at a post and "know myself how 'tis."

The ordinary truth that an employe will work better for a private employer than for the public will never apply to mail work, neither to government work running trains and telephone and telegraph business, which I, with a rapidly increasing crowd of other people, hope will speedily come to pass.

Many persons are deterred from advocating government ownership of express, telephone, telegraph, passenger

Here's Your Proof

"It makes brooding a pleasure. No foul odors. Chicks far more lively." That's what a user of the Newtown Giant Colony Brooder writes. Read his letter and the others given below:

"I have nothing but praise for the Newtown Colony Brooder. I ran a trial hatch to test out Brooder and have only lost one chick up to eleventh day, and he was small. All others are doing finely and it seems you have made a perfect Brooder. Care of chicks is reduced to a minimum, making brooding a pleasure instead of a drudgery as I found with small lamp Brooders. Chicks are far more lively, for they are never confined with foul odors and if they feel cold at all, they run under the deflector a minute or two and then off they run again.

"With lamp Brooders, my experience has been that the chicks would very often remain outside the hover and get chilled rather than go under the hover in the dark, where they could not see to scratch for food. With the Newtown Giant Colony Brooder, chicks are always in sight of caretaker and always within reach of warmth while still being able to exercise."

—W. B. WOODWARD, Waban, Mass.

Newtown Giant Colony Brooder

Coal-Burning, Self-Feeding, Self-Regulating

Chicks Contented in Zero Weather

"I received the Brooder stove, and have it in operation. I am well pleased with it, have shown it to some of my poultry-raising friends and they all seem to think it the stuff. We are having zero weather now but the chicks are contented." —ANDREW NUSSBAUM, Remington, Ind.

Saves Time and Labor—Trifling Expense

"I used one of your Brooder stoves last season and it surely does all you claim for it. I put around it about 600 little chicks and have the finest pullets I ever raised.

"I would not think of trying to raise young chicks without one of your stoves, and I am sure that no poultryman will ever regret ordering one or more of them, as they are surely a time and money saver.

"As to operating expense, it is simply a trifle as compared with other ways of attending to the same number." —W. E. RHODES, Linnville Depot, Va.

Will Save Many Thousands of Chicks

"After thoroughly testing the Newtown Colony Brooder, we consider it a good Brooder in every respect and one that will save the poultry fraternity many thousands of chickens and a large amount of money." —W. R. CURTISS & Co., Ransomville, N. Y.

Made in two sizes, one for up to 500 chicks; and the other for any number up to 1500.

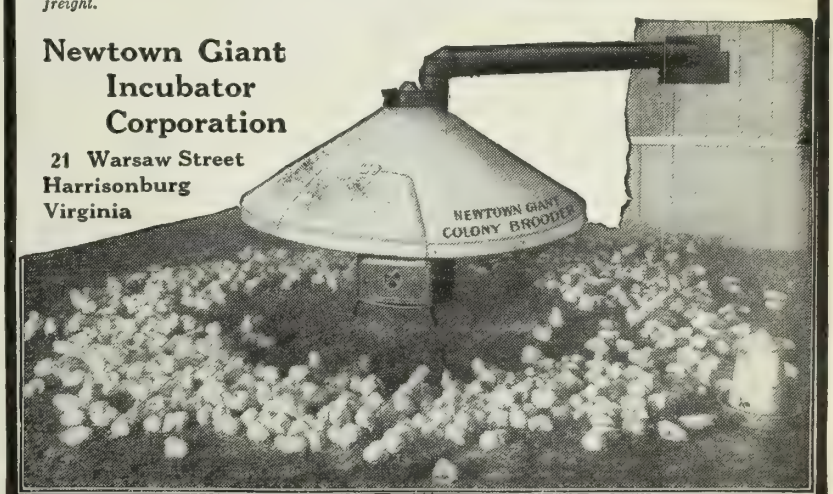
Eight cents a day for coal is the only operating expense. Compare that with the cost of burning the large quantity of oil required by other Brooders. Coal feeds to the fire automatically from a coal magazine, which holds a two to four days' supply. Powerful thermostat controls the drafts and creates a constant, even heat for the chicks.

Safe and convenient. Easy to install quickly. Operates in any building.

Profit by the experience of others. Raise more and better chicks this year with much less time, trouble and expense. Write now for handsome catalog illustrating and describing the coal-burning, self-feeding, self-regulating Newtown Colony Brooder, "Three-In-One" Portable Poultry Buildings and other equipment.

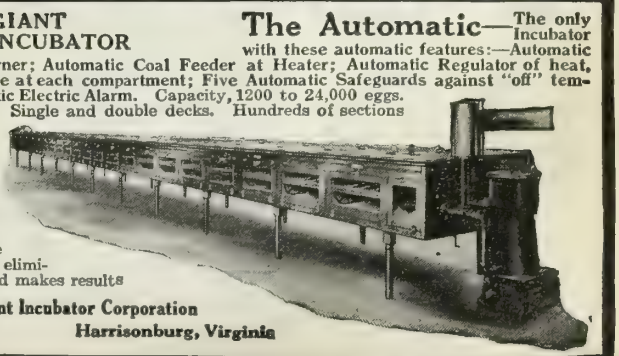
If there is no Newtown Brooder dealer in your locality, we will ship immediately and prepay the freight.

Newtown Giant Incubator Corporation
21 Warsaw Street
Harrisonburg
Virginia



Newtown GIANT INCUBATOR

The Automatic—The only Incubator with these automatic features:—Automatic One-Minute Trays Turner; Automatic Coal Feeder at Heater; Automatic Regulator of heat, ventilation and moisture at each compartment; Five Automatic Safeguards against "off" temperature; and Automatic Electric Alarm. Capacity, 1200 to 24,000 eggs. Sectional construction. Single and double decks. Hundreds of sections are ready for shipment. Your Giant will goforward within 24 hours after receipt of your order. Send for your copy of the Giant Incubator catalog now. Satisfy yourself that the "Newtown Automatic" eliminates all guess-work and makes results sure.



Newtown Giant Incubator Corporation
21 Warsaw Street **Harrisonburg, Virginia**

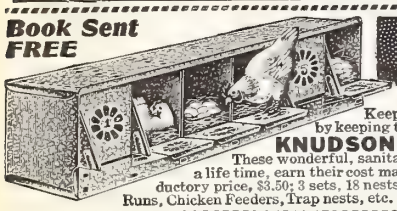


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Note the strong, secure fastener, so simple and complete—the number is not stamped in, but raised OUT—plain, readable—can't get full of dirt. Reaches you already bent in shape ready to put on—12 bands 20c; 30 for 45c; 60 for 75c; 100 for $1.00. Sample Free—

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Book Sent FREE



Lice-Proof Nests

HAPPY HENS EARN BIG PROFITS

Keep your hens happy, get more eggs, make them pay you better by keeping them free from lice and mites, by equipping laying houses with

KNUDSON Galvanized Steel LICE PROOF NESTS

These wonderful, sanitary, *patented* nests (not a trap nest) can't get out of order, last a life time, earn their cost many times over. Regular price, $3.90, set 6 nests—special introductory price, $3.50; 3 sets, 18 nests, $10. Write for *free* catalog. Gal. Steel Brood Coops with Runs, Chicken Feeders, Trap nests, etc. Knudson Manufacturing Co., Box 570 St. Joseph, Mo.

"DRYING UP!!"

5TH YEAR — SEE THAT "XX"? POINTS THE WAY. START RIGHT YOU END RIGHT

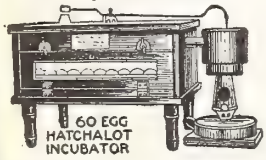
That is the cry **everywhere.** "My chicks are drying up in the shell, will your Tester help me?" **Most assuredly.** Don't incubate eggs **unless they first pass the Magic Egg Tester.** "XX" eggs hold moisture best, hatch best, and make the chicks with backbone, health and vigor. **Impossible to hatch one egg this Tester rejects.** $2.00 each. 1 year's trial. Guaranteed. Cost refunded if dissatisfied.

MAGIC EGG TESTER WORKS, Dept. B, Buffalo. N. Y., also Bridgeburg, Can.

Use This Hover In Any Building



You need no special equipment for the International Sanitary Hover. You can use it in a laying house, a colony house, tent, barn, stable, piano box, or even a dry goods box—no platform to build, no holes to cut. To set it up, you simply light the lamp and set it down, and it is ready for instant service anywhere. Weighs 30 pounds, easy to move. Made of metal, and always sanitary. Heavily insulated. Circular—no corners for crowding—and warmest just inside the curtain. Heat radiates from *above.* Capacity 100 chicks—more hovering space than any other hover. **Price $8.50 complete.**



Hatch Chicks Right

The 60-Egg Hatchalot Incubator assures you healthy chicks, with husky constitutions. Large boiler and dependable regulator gives mild, moist, natural heat. Made of clear cypress—built to last. **Price, $7.50.**

Save Money and Work in Feeding

Make your fowls work for their food and save grain and labor by using the 6 in 1 Exerciser Feeder. Fill it in the morning and fowls feed themselves. Large central hopper holds grain that the birds scatter in the litter, by working an agitator. Six other compartments hold dry mash, grit, shell, beef scraps, etc. Always clean; double flange around rim prevents wasting feed. Makes other feeding devices unnecessary. **Price, 40-quart, $4.75; 20-quart, $3.75.**

Send a Postal for Catalogue

full of information of value to every poultryman. Ask, too, for the name of the dealer nearest you. Get the catalogue now.



Hover-Incubator Mfg. Co.

Box 511, **Browns Mills**
New Jersey

Sold by Dealers Everywhere

and freight service because in sundry other cases government control breaks down. For instance, government cannot build one of its own ships or lighthouses, or dredge one of its own canals or harbors so cheaply and well as it can be done by private contract. This has been tried a hundred times. But where the silent but impressible force of the time table is an incessant factor everything moves with as much precision and effectiveness under public as under private management. It just has to.

This should be called paternalism, not socialism. Whatever must be done collectively in order to have it done in the best manner and for the good of all should be done that way. That's all there is about it.

The recent looting of the great New Haven and great Frisco roads helps show that railroading should be a public, not a private business. This whole matter to which Journal has lately given considerable space is suitable for discussion in a poultry paper, if any topic is, for there is very little produce or live stock, either fancy or for the table, that is sold at the poultry yards. It is practically all shipped. Poultrymen everywhere, work for your own interest! Push on the column!

* * * *

Farmers and Farm Eggs.

The majority of people have always been wrong on matters of religion, morals, civil government, training of children, ways of doing common things, and especially in the work of earning a living. Take the raising of corn, for instance. For almost three hundred years proper selection of seed has been neglected and the hills of one stock or none at all over this broad land with the proper number of stalks and without any additional labor whatever would have produced additional grain in a single year, it has been calculated, enough to load, twice over, to full capacity, every vessel on the ocean bearing the American flag. Thus with all branches of farming, but especially live stock, and of all divisions of live stock, poultry fares the worst, because, however thrifty the fowls, their products reach consumers by way of the grocery in such an abominable condition.

The great movement for the cooperative shipping of eggs by farmers is praiseworthy and will supply better eggs than the filthy article the country grocery handles, but the enterprise is beset with many difficulties and can never insure that farm eggs generally can be good or even fair to middling so long as the average farmers themselves fail to properly care for farm poultry. "But farmers can be taught," says someone. How long since? There are farmers' institutes and farm lecturers in Texas a-plenty, but, generally speaking, they are a perfect farce as far as results are concerned, and the speakers freely admit this when they talk with you confidentially on the side.

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Thomas E. Clark & Co., 14 W. Fourth St., Michigan City, Ind.

IF YOU WISH "QUALITY" WRITE US

Home and the Table
Good Things for Everybody

Helen J. Woods, Editor

SHIRKING RESPONSIBILITY.

IT IS A common trait of humanity to shirk responsibility. The tendency to leave to others that which we should in all honor feel answerable for is one of following along the line of least resistance. We all have it to a greater or less degree.

Parents are in many instances adjudged unfit to have the bringing up of their children where they have failed to provide proper nourishment for the body or protection from cold and exposure. We find a great many, however, in all walks of life who give nothing but husks for the development of the child's mind. They shirk the responsibility. They pay, or do not pay, a "two-penny" tax for which they expect all the responsibility of their children's mental development to be lifted from their parental shoulders. They scold at the child's ignorance; they suffer because of his inability to accomplish anything of value; they go down in gray hair and tears to the grave because of his wrongdoing. Yet never through it all grasp the chief reason.

Everything in the world either progresses or it deteriorates. There is no such thing as a permanent standstill. Either a child goes forward in his development or he falls behind. The responsibility for guiding these malleable and most precious years cannot be transferred to school or church. The parent who shirks the responsibility must, at least in part, pay the price; while the children to "the third and fourth generation" suffer accordingly.

It is almost inconceivable how very little many parents are concerned in what interests their children. In so far as the child's clothing and food go, we usually take time to cater a little to his individuality, making our influence felt in that direction. But we leave his real self to develop with little or no knowledge of his innate personality.

And yet no one can dare to suppose that the mind is in less need of nourishment than is the body, or that the clothing of a child's body is more important than the beauty and breadth of his mind's raiment.

How many of us take time to answer truthfully the questions we are asked by children? Or to give them any worth-while suggestions regarding subjects in which they display an interest? A great many do not even try, and comfort themselves with the thought that schools are supported by the public for that purpose. The schools have always been deficient in their methods of instruction, but even were they broader and more far-reaching in their scope, there would still be disaster in store for the parent who shirks his individual responsibility as a guiding influence in awakening his offspring's mind to a realization of the vital things of life. And this responsibility should make itself evident in many ways. It partakes of the nature of public responsibility in some instances. Public wrong should enlist the services of whole communities against it.

Practically all of us are waging war against those pests—the fly and mosquito—and through this united effort they will eventually be annihilated. But one man or fifty men fighting to this end could never reach that desired state. There must be co-operation to effect any real and lasting good. So, when we read that an eastern city decrees that on account of a lack of funds the trade schools of that city shall be abolished, it is time that the people of the city shouldered their responsibility by strenuous and effective objection. The city of Newburyport, Mass., has discontinued its manual training schools. The students in these schools literally begged for their continuance. The students volunteered to walk to school as a means of saving the city expense, on account of free transportation provided by the city, in order that the manual training schools should be continued. But the schools were closed. This is but one case where public responsibility is being shirked by a large body of citizens, and certainly greatly to their ultimate loss.

In the matter of parental responsibility we can best show our appreciation of what is entrusted to our care by devoting thought to the subject. We may not be able to determine just where parental responsibility begins or ends (if it ever does), but we can easily see that it is a very big proposition, and



that no one can relieve us individually of it.

To get at the so-called little things, which in the aggregate are the great things, we can best get at the real child by studying his thoughts. We can encourage and show our appreciation of a little more intimate association with what he thinks and feels. Certainly there is no better way to wield a goodly influence over him than that of encouraging him along the line of right thinking, and this can be done in countless ways—by the inspiration to be gained by reading good literature, by nature study suggestions, by the right encouragement to overcome difficult undertakings, by the results attained from continued thought along any line worth while.

Most parents will say they have neither time nor patience, but it will be found in nearly every case that the parent who devotes honest concern for his child's best good will find time for these things even though he is the busiest parent in the entire community. We can usually find time for those things that pull heavily and persistently at the heart strings. To have your child's best interests at heart means that you will devote considerable thought to his welfare, which includes food for his mind.

In the matter of mutual interests between parent and child, these things will develop naturally, as a rule, but cannot continue to exist without mutual sympathetic understanding. The child whose ideas are pooh-poohed, whose deepest interests make no appeal, soon learns to hide his thought "under a bushel" so far as his parent is concerned. If he makes good, it is not the result of any help or encouragement given him by his parent, though the latter may claim the credit; but if he fails, the parent claims no share of the blame.

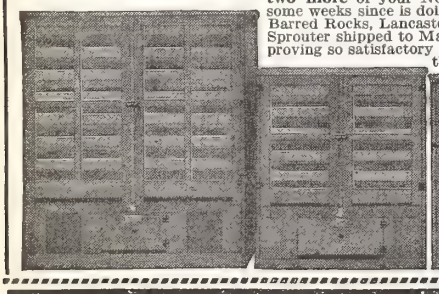
It would not hurt matters in this world could we get a little nearer the heart of things. Parent and child need to know each other better. Incongruity of age is not a barrier. Otherwise, how can a little child, a mere baby, in fact, become so vitally interested in the affairs of its parents? Everywhere we see children "playing" at what father and mother do. They are born imitators. Thus it behooves us to cultivate a little interest in what our children are thinking and doing, to endeavor to direct them wisely when we can, to learn wisdom from them when we can, and especially to make our everyday lives worthy of being imitated.

DOUBLE QUICK GRAIN SPROUTER

THE PERPETUAL POULTRY SILO—Grows Green Feed While You Wait

The First, the Original, the Pioneer of All Grain Sprouters

The Double Quick Originates and introduces, others imitate and follow. Fully **100 Double Quicks** to every **half-dozen of all others** combined. Now in its **fourth** year; in use in every state and territory and several foreign countries; many large poultry farms use from one to five. "I am enclosing my check for **two more** of your No. 5, Double Quick Sprouters. The one I bought some weeks since is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass. "I ordered your No. 5 Double Quick Sprouter shipped to Maud L. Kaler, Columbia City, **Ind.** This one is proving so satisfactory that she wants another one of the same size and therefore you will find draft for this second sprouter."—Milo R. Meredith,



Built in 6 sizes from 1-4 bu. to 8 bu., for a few hens to 1,000.

CLOSE-TO-NATURE CO.,
38 Front St.
Colfax, Ia.

Watch For Lice

Lice kill more chicks than all the other poultry diseases put together. Lice sap the lifeblood and stunt the growth of young chicks. Preventive steps can't be taken too early—sprinkle the chicks when a week old with



DR. HESS
INSTANT LOUSE KILLER

Likewise the setting hen—practically every setting hen is lousy. Sprinkle brooding coops, nests and roosts.

Also destroys lice on farm stock, bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes, etc. Prescription of Doctor Hess (M.D., D.V.S.).

Sifting-top cans. 1 lb. 25c; 3 lbs. 60c. Except in Canada and the far West.

If not at your dealer's, write

DR. HESS & CLARK, Ashland, O.

Egg And Chicken Salad.

By Miss H. A. L.

Chop into cubes meat from one boiled chicken or fowl and place on a platter of crisp lettuce leaves. Decorate the edges with small whole olives and cover with chopped hard boiled eggs. Over all drop spoonfuls of mayonnaise or a rich boiled salad dressing. Serve very cold.

Penuchi.

By D. L. M.

Two cups brown sugar, one cup white sugar, three-fourths cup sweet milk and a pinch of salt. Blend thoroughly before putting on to cook. Then boil until it forms a soft ball when dropped in cold water. Remove from fire, add tablespoon of butter and beat until it thickens. Before it becomes too thick to pour, add one cup walnut meats, slightly broken, and spread on buttered tins to cool.

Eggs And Onions.

By Miss H. A. L.

Slice and fry onions in butter and place them on brown paper to drain a little. Remove to a platter, squeeze the juice of a lemon over them and place nicely poached eggs on top. Serve hot.

Eggs And Cheese.

By Miss H. A. L.

Butter a baking dish, grate a little cheese over the bottom, dust with cayenne and place in the oven for several minutes to heat. Break into the dish eight eggs, over which grate more cheese, adding a little pepper and salt and sufficient bread crumbs to cover well. Dot with butter and bake in a hot oven fifteen or twenty minutes.

Egg Cutlets.

By Miss H. A. L.

Cook two eggs in water just below the boiling point about fifteen minutes, or until hard. Remove from the shell and crush with one tablespoon bread crumbs, one tablespoon grated cheese, and seasoning of curry, nutmeg, pepper and salt. Mix together with yolk of a raw egg and shape into cutlets. Dip them into the white of an egg, roll in bread crumbs and fry golden brown in oil. Sprinkle with parsley and serve.

An Egg Drink.

By Miss H. A. L.

Beat the white of one egg until stiff, add gradually one-half tablespoon of sugar and juice of one-half orange. Beat the egg yolk until thick and add a little salt, one-half tablespoon sugar, the juice of one-half orange and one-half lemon. Fill a glass one-fourth full crushed ice, pour the mixture over this and serve at once.

Egg Nog.

By Miss H. A. L.

Beat the yolk of an egg until creamy, add a teaspoon of sugar, a little grated nutmeg and a scant cup of milk. Add the stiffly beaten white of egg, slightly sweetened and flavored with a grating of nutmeg. Serve very cold in sherbet cups with sponge drops.

THE PITTSBURGH POULTRY Show.

Held at Pittsburgh, Pa., Jan. 19-24, 1914—A Superb Exhibit Grandly Displayed in the Large and Beautiful Exposition Building.

BY H. B. SCHWAB, EASTERN REPRESENTATIVE OF A. P. J.

FOR years to come we will look back to this Pittsburg Show and remember it chiefly for its many features, its great classes and the great records made by some of the exhibitors, these with the particular efforts of the officers and members of the association combined to make this a memorial affair long to be remembered. The wonder class of S. C. Black Minorcas was the sensation of the year and the Minorca Breeders can well receive all possible credit for this wonderfully beautiful display.

Sensational also was the winning record made by Mr. M. F. Delano, successor to Owen Farms, Vineyard Haven, Mass. We did not think that such a record was possible for any man to make in large and strong competition. Mr. Delano had the quality and richly deserved all he won. It was simply a case of getting his full due. Other great records were also made to which we will refer later.

The officers of the association who made this great show possible are: president, F. G. Davis; vice president, F. A. Goedekr; treasurer, G. B. Hatton; secretary and superintendent, W. P. Craig. The judges, Chas. D. Cleveland, W. S. Russell, D. W. Young, W. C. Pierce, Theo. Hewes, M. A. Northup, L. Rawnsley, A. F. Kummer, D. M. Green, G. W. Webb, A. H. Emch, and F. H. Cook.

The "Flea" meeting held here was a great success and a enjoyable affair with many new members admitted. Several specialty clubs held their annual meeting here and breeders from all sections of the country attended.

The Exhibitors and Their Winnings.

Barred Rocks formed a class of 114 birds with Mr. F. W. Richardson, Hicksville, Ohio, winning cock 5, cockerel 2-3, hens 1-2, pullets 1-2, pen 1, cockerel-pen 1, pullet-pen 3. Best display and several specials.

Other winners were: H. L. Fike, J. M. Ecoff, C. L. Ayers, W. H. Lawson, who won first cockerel; and Heilman and Chalfant.

In White Rocks 101 birds were in line, with the first hen shown by Mr. C. W. Voskamp the gem of the class.

Silver Penciled Rocks a beauty class.

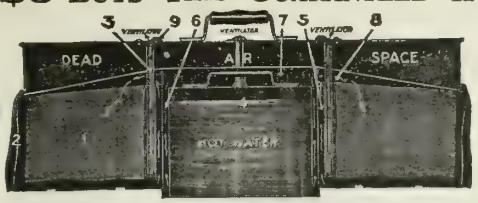
Partridge Rocks, a class of seventy birds and one of unusual quality.

Columbian Rocks brought out 81 birds with the club meeting held here.

White Wyandottes a great class of 155 birds, with many noted breeders showing. Hon. Mr. M. F. Delano, Vineyard Haven, Mass., won cock 1-4, hen 1-7, cockerels 2-6, pullets 3-4, old pen, 1, young pen 1. Best collection champion male in American class, champion White Wyandotte male, etc. Also note his winning in White and Buff Orpingtons and Reds.

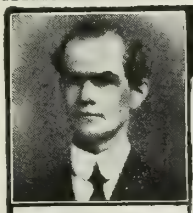
Mr. Chas. D. Cleveland, Eatontown, N. J., won in this class hens 3-4, pullets 1-7, champion female, best shaped female, etc. In Columbian Wyandottes Mr. Cleveland made a display only of a pen that attracted a great deal of in-

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terest by their grand shape and markings.

Buff Wyandottes a fine rich class of birds with sound color and good forms.

Silver Laced Wyandottes, a beauty class of fifty-seven birds. We are glad to note good sized classes of these at most all shows this year.

Columbian Wyandottes were of good quality.

Partridge Wyandottes, also a neat class, some extra fine.

S. C. Reds, a great class of 140 birds and a battle between several well-known breeders. Schenley Heights poultry farm, Pittsburg, Pa., won cock 4-8, cockerel 1-4-7-8, hens 2, pullets 4-6, old pen 2, young pen 1-3, best collection, best display and several specials. In Rose Combs they won cock 2-4, cockerel 1-2, hen 1, pullet 1-2, best display, best collection, etc. Mr. C. F. Rankin, the owner, celebrated by giving a dinner to several friends and breeders; he is full of vim and has made several great wins this year at our greatest shows. His line is one of superb quality and value.

In S. C. Reds Mr. M. F. Delano won cock 1, cockerel 6, hen 3, pullet 7, with but the four birds shown.

Mr. F. L. Ober, Verona, Pa., the man who walked away with a Blue at the late M. S. Garden New York Show, won here cock 3, hen 1-8, and pullet 8. The first hen a winner in form and grand color.

Mr. Ellis S. Shelly, Williamsburg, Pa., won hen 2, pullet 3, and pen 5.

There was a good sized exhibit of Rhode Island Whites.

S. C. Black Orpingtons, a great class of 130 birds with extreme quality in every coop. Here Major Hugh A. Rose, Welland, Ont., won cock 1-2-4-7-8, cockerel 1-3-4-8, hens 1-2-4-6, pullet 1-3-4-5-8, pen, old pen 2, young pen 1. Best display, first collection and many specials. To describe these birds and winners is their due, every one an ideal in form and of the best of color, making a most beautiful display. First cock and first cockerel both of the choicest, none were ever shown better.

Other noted winners here was the Blue Ribbon Farm, Sandy Lick, P. F. Wm. Cook & Sons, C. C. Merill, M. C. Kilpatrick, etc.

S. C. Buff Orpingtons, a select class of 109 birds and a royal lot of quality they were, superb in condition. This was the Club Show and one of credit. Here Mr. M. F. Delano made his famous record winning of cock 1-2-3, cockerel 1-2-3, hen 1-2-5, pullets 1-5, old pen 1, young pen 1. The president's cup for best collection any variety in the show. Champion male and female specials and all four shape and color male and female specials and eleven others offered by the club.

In S. C. White Orpingtons Mr. Delano won cock 1, cockerel 1, hen 1, pullet 1-2, young pen 1, on six entries, the highest possible record that could be made and this in a class of 161 birds. Mr. Delano has made many notable winnings in the past at the great shows east and west and south, but he or no one has ever made a win that carries with it more glory than this one; he is a worker, he has been before the public for many years and he deserves the greatest possible success.

Other winners in Buff and White Orpingtons were: Wm. Cook & Sons, O. M. Jarret, E. L. Grove, Sandy Lick, P. F., H. A. Hoffman, J. M. Ecoff, Andrew Hawthorn, Windyghoul, O. F., A. G. Crawford, Linden, O. Yards, H. L. Bennett & Co., James Cooley, W. K. Jones, and O. J. Eberle.

S. C. Black Minorcas with 241 birds shown was the banner class of the show. We have never seen a class of Minorcas to equal this one in size or in general quality and it was beside a charming feature of the exhibit. A mention of any kind was a proof of quality and no question but some of the awards were very close and that in several cases there was but very little difference from first to third and fourth, well here was honor enough for all, at that.

The Hilldorfer Black Minorca Farm, Saxsonburg, Pa., won cocks 1-2, cockerels 1-3, hen 3, pullets 1-3-8, old pen 4, young pen 3, and a barrel of specials. This noted line has long had a reputation for quality and this dandy win should enhance it.

Mr. Frank McGrann of the What-

Wilburtha POULTRY FARMS

Columbian Wyandottes
Columbian Plymouth Rocks
Partridge Plymouth Rocks
S. C. Buff & White Leghorns

Our recent winnings at The Palace and Madison Square Garden and other large poultry shows again emphasize the high quality of the Wilburtha Strains. Our 1914 matings are composed of healthy, vigorous prize-winners, bred for heavy egg production and utility qualities as well as for exhibition purposes.

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glen Farm, Lancaster, Pa., also proved a great winner in this class. Whether or not he received full justice is not for us to say, but the fact remains that some birds were tampered with and some feathers broken from the birds before judging. It's a damnable shame to have such things happen and the culprit should be caught and hung. For all he made a splendid record and won cock 3-6, cockerel 2-5, hen 1-4, pullet 2-5. Old pen 3, young pen 1, and many specials of merit. This line has also been a favorite winner for many years; they have size color and carriage of the best that comments them.

Later we also heard of other birds that have been tampered with and it is up to the breeders to keep an eye open and to guard each other's birds at every show.

S. C. White Leghorns numbered 187 birds, a compliment to the judge, Mr. Dan W. Young, and he no doubt found plenty of quality among the great long line of coops occupied by this class.

S. C. Buff Leghorns were a surprising large class with 139 birds shown. There was plenty of quality and many males and females better than good. The winners, a grand lot of birds.

S. C. Brown Leghorns, another banner class of mammoth size with 121 birds, entered and shown of good even quality. Males extra.

A very nice class of Blue Andalusians and plenty of them.

S. C. Anconas numbered 184 birds, A beauty class with size, color and markings seen to advantage. Rose combs a small class.

Silver Campines, a grand class of 55 birds. The Schenley Heights, P. F. won cock 1-2, cockerel 1-2-4. Hens 1-2, Pullets 1-3, old pen 1, young pen 1. Best. Display and all specials. In Golden Campines they won all firsts and seconds competed for.

Light Brahmas, a charming lot and good in numbers.

Black Langshans, a class of 52 birds, well shown and select quality.

Ducks, a good collection with all varieties shown.

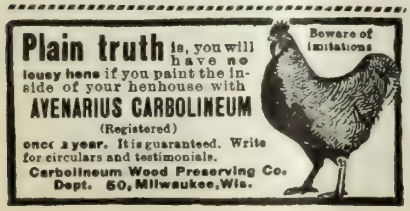
Pigeons, a very large display and we thought very good.

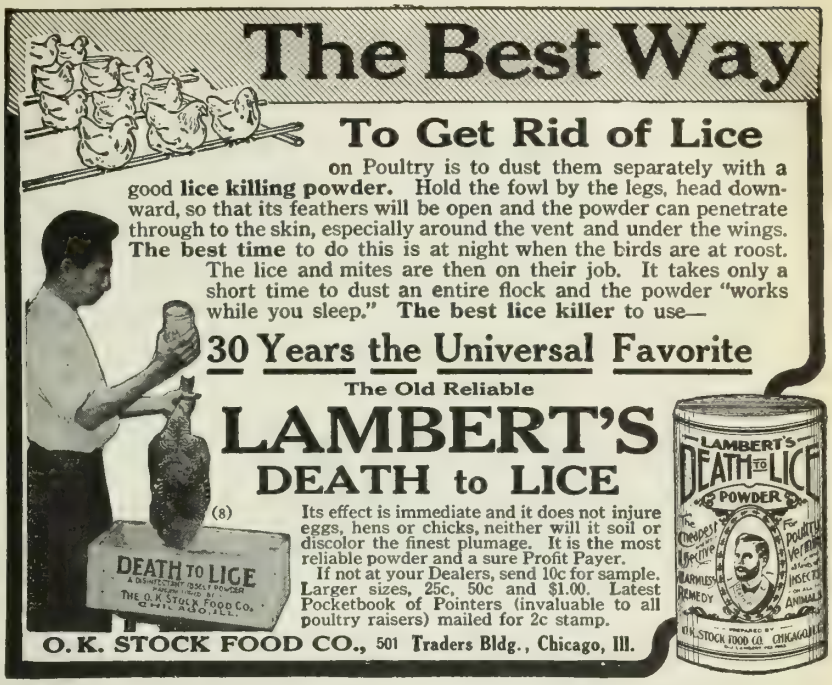
Geese, a fine lot. The Toulouse of Mr. Frank McMann, very large and fine.

It was a great and grand show, receiving good support and the attendance was very good.

Several display pens along the center were excellent. The pen of Buff Rocks, by Vierheller Bros., one of beauty, and the pen of Columbian Orpingtons, by J. M. Williams, a feature.

In the center of the hall was displayed by Wm. Cook & Son, Scotch Plains, N. J., a large and rare collection of land and water fowls, shown in a rustic lake, quite original and made a show feature. Mr. P. A. Cook told us the names and habits of many of the birds that we had hoped to mention here, but memory and even notes fail us. He has only birds of the best and a collection worth going many miles to see. We would like to see this collection at more shows as they are of special interest to so many.







THE INDIANAPOLIS FANCIERS' ASSOCIATION.

Fourteenth Annual Exhibit Held at Indianapolis, Ind., Feb. 2-7, 1914.

BY H. P. SCHWAB, EASTERN REPRESENTATIVE A. P. J.

INDIANA and the mid-West have every reason to boast of poultry and poultry exhibits and of their breeders. They have and are breeding a very high quality of standard bred poultry which makes possible their beautiful exhibits and the breeders are a loyal and jovial set that we were pleased to meet and hope to meet many times in the future. With Mr. U. R. Fishel as president, Frank P. Johnson as treasurer and C. R. Milhous as secretary things are bound to hum and keep a-buzzing, and from every point of view this show was a great success and of the greatest possible value to the poultry industry.

The attendance was very large and we were glad to finish our work and to mingle in the crowd to meet as many breeders as possible, for there we met Mr. Frank E. Hering, with his Leghorns and Campines; Mac Pierce, of the Buschmann-Pierce Co., displaying their non-fading Reds; Wesley Lanius and Sam Noftzger, with their beautiful Partridge Rocks; the Peerless U. R. Fishel displaying a pen of his "World's Best" White Rocks, and chubby C. J. Fishel, who is on the Wyandotte type, so breeds them; C. F. Rankin from Pittsburgh, the real "Red-Man"; then there was Theo Hewes, of the Inland, and Jas. W. Bell, of the A. P. J., and hundreds of people we met whose memory we will always cherish. Yes, indeed, we had a good time.

The displays were a feature of the exhibit. The entire stage was occupied by the exhibit of the Buschmann-Pierce Co.'s Single and Rose Comb Reds. The birds shown by them were a rare collection of beauty and value. Exceptional shape was the feature noted, closely followed by rich, brilliant red color, sound as can well be, and choice markings. With the decorations of palms and the silver cup, won by this firm, it was a display of particular credit to this firm.

Mr. U. R. Fishel displayed a pen of his famous White Rocks in the center aisle in a large handsomely decorated coop (so they say), but all we could see was the charming birds within. The cockerel, a wonder in form, style and finish, and the females of the same caliber, all shown at their best. The neat heads, long backs and trim bodies all in grand proportion must be seen to be fully appreciated. They are magnificent and the man who can breed birds of that kind has surely done something for all mankind.

Other displays seen were also beautiful and the whole show and exhibit was a most complete and beautiful one.

The great class of Barred Plymouth Rocks was the wonder feature of the show. The club annual meeting was held here and this brought out not only a very large but also a select display of quality. There were just 279 birds of this variety coming from several states and from well known breeders. Mr. Henry D. Riley, Strafford, Pa., won as follows: Cock, 1 and 4; hen, 1 and 6; cockerels, 3, 4 and 7; pullets, 1 and 5; pen, 2; pullet bred young pen, first; cockerel bred pen, 2; club national cup for best cock; hen cockerel and pullet; championship special for best male; special for best shaped male and fifteen other specials. His first cock, one of extreme excellence, fourth, was one of the best cocks we have ever seen. He has wonderful line, barring all over and around him, and the finest of under-barring, was a mite unfinished in tail. He should make a great breeder. In cockerels the competition was very close between the four firsts birds. All were of superior quality. Mr. Riley seemed unbeatable on females and won first hen and first pullet easily. His winning second on account of a pullet going out of condition, but when shown right was easily the best pen, the male a beauty with the finest of color and barring and style. Females all alike and of the best color. This line surely has made its mark east and west and at the best shows.

Mr. C. E. Spaugh, Rugby, Ind., was elected president of the club and celebrated by winning cock, 6; hen, 3; cockerel, 2 and 6; pullet, 2; pen, 1; pullet bred cocks, 3; cockerel, 3 and 5; pullet pen, 1; cockerel pen, 1; cockerel bred hen, 1 and 4; pullet, 1 and 2.

Dewey and Havens, Jackson, Mich.: Cock, 2; hen, 2 and 8; pullet, 4, and pullet bred cockerel first, and specials. This is an old and favorite line.

Mr. W. H. Cavanaugh, Lansing, Mich.: Cock, 3, on a beauty bird of fine shape and color.

G. Earl Hoover, Matthews, Ind.: Cock, 5; pullet, 3 and 8; pen, 4; pullet bred cock, 1 and 2; cockerel, 2, 4 and 6; pullet pen 2, and specials.

Other winners were W. H. Goodard,

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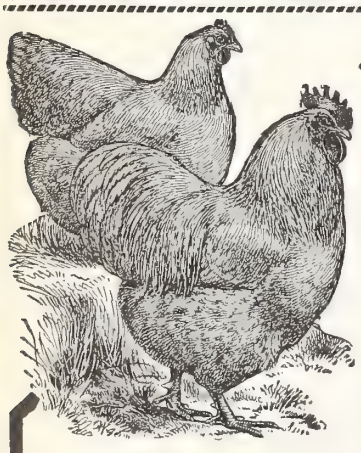
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A practical time, labor, and money saver for the family vegetable garden and market gardener. Sows *all* garden seeds in drills or hills. Plows, hoes, cultivates.



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The best-known cultivating implement made. Strong, yet light. Cultivates to any depth and adjusts to any width. Has new steel wheel.



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WE have devoted 10 years to specializing on S. C. Buff Orpingtons and scientifically line-breeding to develop a strain that not only wins the first prizes in the leading poultry shows but also excels in size, fine buff color and as heavy egg producers. Our cockerels make fine, juicy broilers and capons.

Sunswick Farm S. C. Buff Orpingtons

are ideal fowls for the *utility* poultry farm as well as for the poultryman who desires birds that will win for him in the hottest competition at the shows.

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Sunswick Buff Orpingtons have won the majority of first prizes on this breed at the leading shows each year since 1907. We have 1,000 choice yearling fowls now in stock which will make you fine exhibition or breeding birds.

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gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free.

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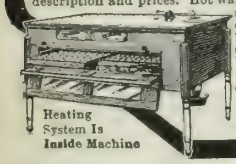
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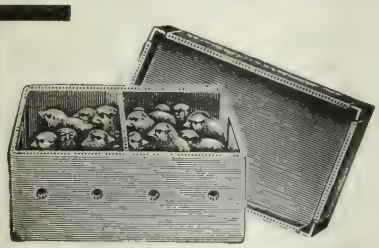


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The Sefton Live Chick Box

Insures absolute protection to the soft, downy creatures. Heat and cold cannot penetrate the dead air cells formed by the corrugations in the paper. Weighs enough less to save its cost in reduced transportation charges over that of a wooden box.

Made in Three Sizes: **25 Chick Capacity** / **50** " " / **100** " "

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first cockerel; E. A. Williams, C. E. Wilhelm, D. M. Sawyer, Gus Strawmyre, E. H. Wise, Mrs. Anna L. Day, Ed. Kitterman, R. W. Hunt, Rohn Bros. D. Heckless, S. P. Pike, C. C. Fritz, P. G. Kirk, D. W. Sawyer, M. T. Bryant, M. C. Arnholt.

In White Rocks with the club meeting also held here it was a great class of 126 birds, the breeders displayed with shape and condition features. Hon. Mr. Walter Reid, St. Johns, Newfoundland, won: Cock, 3; hen, 1; cockerel, 1 and 5; pullet, 5. The winning cockerel one of supreme beauty, elegant form and the best of color and condition. First hen up to highest standard.

Mrs. Melvin Havens, Shelbyville, Ind., won: Cock, 1; hen, 4; cockerel, 3; pullet, 1, 2 and 4. First cock one of the very best, a grand bird in every way. First pullet a gem, fine size and type; second, very close up, best of condition, grandly shown, a little low on legs, beautiful back, breast and body.

Mr. W. J. Brinkley, Iuka, Miss.: Cock, 5; hen, 5; young pen, 1; old pen, 2. First young pen one of superior quality and mating. Strong male.

Mr. C. C. Herron, Hope, Ind.: Old pen, 1, a beauty in all we desire in a pen of highest quality and grandly mated.

Mr. Cecil Clore, Bargersville, Ind,: Cockerel, second, a great bird, up close and finely shown, typical and well finished.

Other winners were: C. A. Mathias, A. H. Magnusen, W. F. Shultz, W. C. Russel, Robt. Bruce, Wm. Plant, J. B. Howe and Standard Poultry Yards.

Buff Rocks a good size class of finest quality, with honors mostly going to A. L. Weckler, Bunker Hill, Ind., and C. A. Paetzel, Hope, Ind. Evenness and sound color a feature.

Partridge Rocks a beauty display, Mr. Sam. Noftzger winning on males and Mr. Wesley Lanius, Greensburg, Ind., on hens and pullets.

White Wyandottes a nice lot, many good birds shown, the winners all of the best and in good condition.

Silver Laced Wyandottes a real beauty class. First cock one of the best seen in years. First cockerel and first, second and third pullets all wonder birds of highest quality. We hope for more like these.

S. C. Reds a large class well shown, with quality and condition a feature. The winners a beauty lot.

R. C. Reds close up and a large hot class.

Light Brahmas one of the four best classes we have seen this year. The display pen of Mr. Johnson, with their egg record (official) was one of the show features.

Black Langshans a royal class of 160 birds the second largest class in the show and the best we have seen in years. Quality was very uniform in all classes. Color of the best. It was a most beautiful exhibit of this favorite old variety. We regret we haven't the winners to give at this time.

First cockerel was won by W. M. Harrod, Flat Rock, Ind.

S. C. Brown Leghorns a good sized class, with many fine birds.

S. C. White Leghorns a grand class of 122 birds. The Willows Poultry Farm, South Bend, Ind., making a superb record by winning cock, 1 and 2; hen, 1 and 4; cockerel, 2, 3 and 5; pullet, 1; young pens, 1 and 2; old pen, 1, and about all specials, having all but two entries placed. Both the first and second cocks were of the best winning type, grand



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Catarrh, Canker and other contagious diseases of poultry can be **controlled** and **cured.**

Protects Your Flock **B-K** *Destroys Disease Germs*

the powerful germicide—not a poison—clean, colorless. Ten times as powerful as carbolic acid but safe to use. Knocks the roup germ. Send 10c for large sample and free book "How to Cure Poultry Diseases."

General Purification Co., 625 Pioneer Bldg., Madison, Wis.

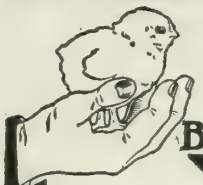
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Box 2 **Grafton, Ill.**



Conkey's Starting Food *for* Baby Chicks

Is a ready prepared food that supplies the right elements for proper nourishment and vigor. Its use

Makes Chicks Sturdy

Prepares and strengthens them for regular ration. Saves trouble and worry.

Lessens Leg Weakness

Guaranteed to satisfy or money back. 25 lbs. $1.65, 50 lbs. $3, 100 lbs. $5.75. Small sizes 10c, 25c, 50c and $1.

Conkey's Lice Powder

Dusted on sitting hens rids them of lice and keeps chicks free from these disease breeding pests. 10c, 25c, 50c and $1 pkgs.

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Ship Eggs, Dressed Fowls, Fruit, Butter, etc., by parcel post direct to your customers.

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meet all Government requirements—**guarantee safe delivery** of products. Made in various shapes and sizes—strong, light and sanitary. Protect contents from heat, cold and moisture. Send today for free booklet, **"How to Pack It for Parcel Post."**

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Start Right

Too many chicks are lost through bowel trouble.

Feed your chicks nutritious Milk Substitute and save them.

Blatchford's "Mammoth Chick" Milk Mash

will do the work. Try a bag from your dealer or write us.

Don't take chick chances

Blatchford's Calf Meal Factory
Waukegan, Illinois

300 LICE Or More on One Hen

is by no means uncommon. No one would expect to fatten a steer with that number of "ticks" sucking his blood, but many expect the old hen to go ahead shelling out eggs while lice and mites are sapping her very life. We have counted over 2000 dead lice under a row of ten hens, on a roost board painted the night before with Lee's Lice Killer. This great killer does double duty—contact kills mites, lice, bedbugs, etc. about the roosts; the vapor kills lice on the chickens sitting over it. Put up only in airtight cans. For sale at over 10,000 towns.



Three sizes—35 cts., 60 cts., $1.00. Poultry Book free.
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YOUNG CHICKS



die of bowel trouble more than any other cause. It is estimated that of every 1000 chicks hatched each year less than 400 reach marketable size. Germozone users raise, usually, 90% of chicks hatched. Germozone keeps the bowels regular. It prevents diarrhoea from overdrinking of water; from eating musty or spoiled food, etc. It should be given in drinking water twice a week from the day they are hatched. It stops the loss. Every chick that dies cuts badly into the profit from the rest. Every chick saved will pay the cost of a bottle of Germozone.

One size only, 50 cents, at dealer's or postpaid.
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GERMOZONE'S Big Value



Is not so much in its great efficiency as a remedy for roup, canker, chicken pox and other diseases of poultry, but it is the greatest bowel regulator in the world for either poultry or stock (including pet stock), counteracting, especially, bowel troubles due to musty, spoiled or improper food. With man, fowls or animals, regular bowels means health. Continued irregularity means some sickness, difficult to cure if not fatal. Thousands give Germozone regularly twice a week to chickens, young and old, at the same time having it ever handy as a ready remedy for other diseases. Sold by dealers or postpaid. One size only, 50 cents.

GEO. H. LEE CO., OMAHA, NEBR.

bodies well carried and full low tails. The first young pen a sweet lot, well shown; a grand line of birds

S. C. Buff Leghorns seen in good numbers and quality.

S. C. Black Minorcas a great class of this variety of 74 birds. The winners and many others of superior quality.

Buff Orpingtons a class of 95, with many specimens of rare quality. First cockerel and hen superb in quality.

White Orpingtons also a class of 95 birds and one of credit alike to the breeders and the exhibit.

Both Bronze and White Turkeys were feature displays, with the best of size and quality.

Ducks found a large class, with all varieties seen to advantage.

Bantams a full collection.

Pigeons a very large display, with the largest and best display of Pigmy Pouters we have seen. Jacobins also a large beauty class.

It was a large, well displayed, clean and evenly balanced show. The awards were quickly placed and the cash was there to pay all premiums on Thursday evening. Evident satisfaction was heard on all sides with particular praise for the officials who had the exhibit in charge. It was an example of what can be done and what is being done to further the interests of standard bred poultry the country over, and we were greatly pleased at the opportunity to attend this beautiful exhibit, for we can fully appreciate it and see in it glory enough for all.

THE PITTSBURGH FANCIERS' SHOW.

Sixteenth Annual Exhibit Held at Pittsburgh, Pa., Feb. 16-21, 1914—A Real Fanciers' Show and a Beautiful Exhibit.

By H. P. Schwab, Eastern Representative A. P. J.

For sixteen years the Pittsburgh Fanciers' Association have held their annual exhibits and have closed the Poultry Show year in a blaze of glory. We would travel the whole world over and not find another such set of breeders as the members of this Association and the breeders who have for years shown their birds here. They are the real, dyed-in-the-wool kind, ever faithful to the fancy and brim full of sociability—a fitting yearly close of the show season.

The officers of this Association are to be commended and are among the best known breeders. President Moore and Vice President Seldon were breeding and exhibiting forty and more years ago, while Treasurer Hilldorfer and Superintendent Skiles and F. L. Ober are not far behind and are known the country over for their breeding ability and their work for the fancy, and Secretary G. C. Sutch has always had three likes, his family, Barred Rocks and hunting. Others, such as L. E. Vierheller, C. F. Pourteous, J. B. Foster, P. S. Randolph and W. P. Wetzler, are in the same class, all fine breeders and all fine fellows.

This year they had to limit the entries to insure wide aisles, seats and decorations. The result was a most beautiful show with plenty of room to see the exhibit properly and to rest and visit. The decorations were grand; the walls were hung with rosetted flags, and the palms, shrubs and flowers were all seen

CELLULOID LEG BANDS



Made in Seven Colors—Red, White, Blue, Pink, Amber, Black and Ruby. They mark your poultry so that you instantly know without handling, individual birds, one mating from another, and pullets from hens. Prices: 12 for 25c; 25 for 50c; 50 for 85c; 100 for $1.50.



Bands for Half-grown chicks in Five Colors—Red, Blue, Pink, Amber and Black. Prices: 12 for 25c; 25 for 40c; 50 for 75c; 100 for $1.25



Baby chick bands in Six Colors—Red, Blue, White, Amber Pink and Black. Prices: 12 for 20c; 25 for 35c; 50 for 60c; 100 for $1.00. Address all orders to

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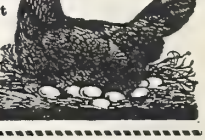
RANGE-RAISED LAYING-LEGHORNS
Superior as layers and for exhibition.
Yesterlaid S. C. W. Leghorn Pullets lay at 4 1-2 months. Bought by 17 State Experiment Stations. Stock, hatching eggs, and baby chix supplied in any quantity. Prices very reasonable. YESTERLAID Methods are bringing success to many poultry raisers. Write for details and prices.
Yesterlaid Egg Farms Co., Dept. 5, Pacific, Mo.

Large Poultry Profits

are made in the Southeast where poultry run on green range the year around and pick up much of their feed, the fine air and exercise keeping them healthy. No expensive houses needed, no roup, colds or frozen combs.

Good Lands $15 an Acre Up

Soil is fine for fruit and truck along with poultry or dairying. Quick transportation to the best markets in the world. Corn, wheat, oats and other crops yield heavily. Climate ideal. State booklets and information of conditions along the Southern Ry., M. & O. R. R. and Ga. So. & Fla. Ry. on request.



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FACTORY PRICES direct to you are less than others ask for cheap wheels. Other reliable models from $12 up. **A few good second-hand machines $3 to $8.**

10 DAYS' FREE TRIAL We ship on approval, *freight prepaid*, anywhere in U. S., *without a cent in advance.* **DO NOT BUY** a bicycle or a pair of tires from *anyone at any price* until you get our big new catalog and *special prices* and *a marvelous new offer.* A postal brings everything. *Write it now.*

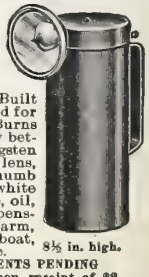
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Displaces Lanterns, Lamps and Flashlights

Uses One Ordinary Dry Battery
(such as carried by all hardware dealers for door bells, autos, etc.)



Built of Steel—Built for Business—Built for Lifetime Service. Battery good for months—A boy can replace them. Burns by the hour, cheaper than oil, vastly better. French mirror reflector, tungsten bulb, imported ground and polished lens, handsomely japanned. Push thumb switch, instantly a volume of rich white light. Won't ignite gas, gasoline, oil, hay, etc. Absolutely no toy, indispensable for the household, barn, farm, garage, auto, factory, store, camp, boat, delivery and plumber's wagons, etc. 8½ in. high.

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28 POINTS OF EXCELLENCE
The Queen
Incubator built to last 25 years. Record hatches, strong, livable chicks, fair price. Poultry Guide and Catalog free. Address
QUEEN INC. CO., Box 4 Lincoln, Neb.
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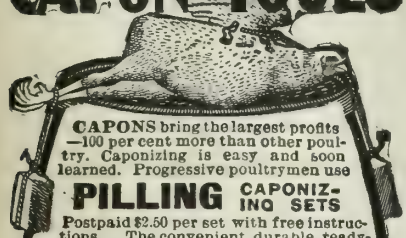
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100 Envelopes, 3⅝x6½ inches, an extra strong, thick, smooth, slick, white writing face, and **120** Letterheads, 8½x11 inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only $1.00. Express charges paid by me. Better printing for the price was never done. No order less than $1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.
Address, J. R. HUDSON, Hardin Springs, Ky

I have seen samples of Mr. Hudson's printing It is very nice; he is perfectly honest.—EDITOR

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PHOTOGRAPHS OF POULTRY
THEY ARE USED LIKE STAMPS ON YOUR LETTERS, CARDS, MATING LISTS OR ANYTHING YOU CHOOSE. ALSO MADE FROM ANY PHOTO OR PRINT—JUST THE THING YOU NEED
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ALL SIZES ONLY DIRECT FROM
THE FROBY-ILLING CO. INC
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WRITE FOR SAMPLES

CAPON TOOLS



CAPONS bring the largest profits —100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use
PILLING CAPONIZING SETS
Postpaid $2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make *Poultry Marker 25c, Gape Worm Extractor 25c, French Killing Knife 50c. Capon Book Free.*
G. P. Pilling & Son Co., Philadelphia, Pa.



LEG BANDS
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Which hens are laying? Mark 'em with leg bands and you'll *know*. Sell the non-producers.
Two and three year old hens are a dead loss for laying purposes. Leg bands tell you when to sell off surplus stock.
Invest a few cents in leg bands; you'll get dollars in egg profits.

Get Guaranteed Leg Bands for Your Hens

Order now direct—money back if not satisfied. Smith Sealed. Prices: 12, 30c; 25, 50c; 60, $1.00; 100, $1.50; 500, $6.50; 1,000, $12.50; postpaid. Leader Adjustable. Prices postpaid: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, $1.50; 500, $2.75; 1,000, $5.25. Climax. Prices: 12, 15c; 25, 30c; 50, 45c; 100, 75c; 500, $3.25; 1,000, $6. Also Open Pigeon and Open Chick Bands, fit any size pigeon or small chick. Prices: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 500, $2.75; 1,000, $5.25.
The Keyes-Davis Co., Inc., Dept. 502 Battle Creek, Mich.

to advantage, giving a midsummer appearance to all.

The display pens were a feature of the show. The Schenley Heights Poultry Farm, Pittsburgh, Pa., with Mr. C. F. Rankin, in charge, displayed a pen each of Single and Rose Comb Reds. This strain has made a wonder record this year, winning at Allentown, Hagerstown, Philadelphia, New York Palace and M. S. Garden, Pittsburgh, etc. Mr. Rankin is full of vim and has a great line of birds.

Mr. Honus Wagner, the famous Pirate ball player, displayed a pen of his Buff Rocks. They were beauties, and if he can mate and breed these as well as he hits the ball, then we will hear and see more of this line.

Mr. F. L. Ober, Verona, Pa., exhibited a pen of his Reds and included in his display his famous first prize M. S. Garden, New York, hen. She was a feature of the show, a most beautiful hen of extreme value.

The sensation of the show was the display of Buff Rocks by Vierheller Bros., Pittsburgh, Pa. The cockerel, a wonder in shape and of richest and soundest of color, small straight comb and beautiful head. The females all alike, of same shape and color. They are just the kind we have been looking for.

The Birds and the Winners.

Barred Rocks, a quality display. Mr. J. A. Yant, Canton, O., won. Cockerel 1-3, pullets 1-4, pen 1, cockerel pen 1. Both pens were extra quality and first cockerel a bird of fine type and very fine under-barring.

Mr. C. F. Porteous, Wilkensburg, Pa., won, hens 1-2, pullets 2-3, pullet pen second. First hen a beauty of right color and barring. Pen very fine; both shown were of fine, rare quality, and awards were placed according to matching of females. Mr. Porteous breeds the female line only.

Miss Marie Hilldorfer, Pittsburgh, Pa., won, cock 1-2, cockerel 5, hens 3-4, which was going some. Both cocks were large and fine birds of grand color and markings.

Mr. John Foster, Pittsburgh, won about all in Buff Rocks with cock 1, cockerels 1-2, hens 1-3, and pullets 1-2, and pen 2. Good type and color noticeable.

In Columbian Rocks, F. G. Bean, Collegeville, Pa., won all awards of note, including all first prizes.

White Rocks were a large and beautiful display, one of the best at the show, and it took the best to win.

The Woodlawn White Rock Farms, Crafton, Pa., Mr. L. T. P. Reinecke proprietor, won, cock 1, cockerel 4, hens, 2-3-5, pullets third and pen second. First cock was a noble, big bird of grandest form and nice head. Third pullet a mite young, but one of the best and full of promise. Ideal form and the best of color and style.

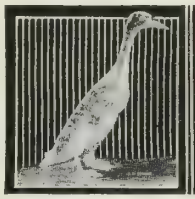
Mr. Chas. W. Voskamp, Pittsburgh, also made a fine showing and won, cock 4, hen 1, cockerel 3, pullet 1. Mr. Voskamp has been breeding for some time and has bred his line up to very fine quality. His winning hen and pullet were very worthy birds.

Buff Wyandottes, a beauty class with shape, color and fine head points a feature.

Columbian Wyandottes a rich, large class well shown. The winners were very fine in shape and markings.

Silver-laced Wyandottes a small but

S.C. Orpingtons, Buff-Black-White, Wm H. Moore, Chadds Ford Pa
EGGS 10¢ EACH
Cochin Bantams, Black and Buff, Mrs. Wm. H. Moore, Chadds Ford Pa



JEFFERSON'S WHITE RUNNERS
America's Best
Write for Price List
The Jefferson Farms
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Incubator for $3!
OVER 600,000 SOLD!
J. F. SIEMS Inventor
In simplicity, ease of management and certainty of results, no incubator in the world equals it. Everything controlled by living hens. It's the one incubator that can't make mistakes. Professor C. L. Willoughby, University of Florida, writes: "The
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is useful, safe and economical." Mrs. Alice Grant, Chillum, Md., writes: "Beats other incubators all to pieces." Thousands of other testimonials. Artificial incubators cost four times as much and are not as satisfactory. No freight to pay. Agents wanted. Write for Free Catalog and Special Introductory Offer.
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H-O Steam-Cooked Chick Feed

is a scientific mixture of Corn, Cut-Oatmeal, Cracked Wheat, Kaffir Corn, Peas and Millet—*steam-cooked* by a special process in our mill.

Sold only in 10-lb., 25-lb., 50-lb. and 100-lb. bags, with tag showing guaranteed analysis. If you cannot get H-O Steam-Cooked Chick Feed, Intermediate Scratch, Scratch Feed, Poultry Feed, Dry Poultry Mash or Chick Feed from your dealer, write for samples and prices.

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very select lot. Quality was of the very best.

Partridge and Golden Wyandottes—Good classes of nice birds. Rich color and markings noticeable.

White Wyandottes—A very large, strong class, well shown and the winners very fine. A grand, strong class all through. Good health and condition features.

The Black Orpington class was a royal one, just teeming with quality. Shape, color and condition were seen at their best in the birds shown. Mr. L. O. Kettering, Pittsburgh, Pa., won, cock 1, cockerel 2, hen 1. It is hard to imagine better birds. The first cock a screamer and seen at his very best; beautiful size and form and the best of color and condition. Such quality is fit to win at any show. First pen a beautiful collection of best quality, grandly mated and headed by a noble male. Mr. Kettering has bred and shown for years and has brought his line to the very front ranks of great winners.

Mr. Kettering also breeds Buff Orpingtons and won, cock 1-2, hens 1, pullets 1-2, and pen 2. He sold the first prize cockerel. His line has shape and sound color.

Mr. H. P. Kettering, Pittsburgh, owner of the Sycamore Springs Farm,

Young's Strain
S. C. White Leghorns

I HAVE NO OTHER BREEDS

They are the standard for all the Leghorns of all America, and the greatest layers of all domestic fowls.



FIRST PRIZE COCKEREL MADISON SQ. GARDEN, NEW YORK, 1912-1913.
BRED & OWNED BY D. W. YOUNG, MONROE, NEW YORK.

At the World's famous and Premier Show of America at Madison Square Garden, New York, for the past 13 consecutive years I have won best display and from three to five first prizes, every bird being bred and raised by me.

Winnings at Madison Square Garden, winter of 1913, were as follows:

A STUPENDOUS VICTORY

Cocks, First, Second and Fifth
Hens, Second, Third and Fourth
Cockerels, First, Third, Fourth, Fifth
Pullets, Fifth
Pens, First
Groves Trophy, value $500.
Elmhurst Sterling Silver Cup, value $150.
N. Y. State Cup, value $50.
N. S. C. W. Leghorn Club Medal for best cock, best cockerel, best pen and best display.
The Association $10 Gold Special for best display and Grand A. P. A. Medal, value $50, for best bird in whole show, all var. competing.

This bird is the most superb specimen that has ever been produced of any variety. This achievement was made possible from a thorough knowledge and scientific practice of line breeding for over 35 years, and from a strain that has been bred by our family since 1855, making it the oldest strain of Leghorns in all the World, the male line never having been broken by adding new blood. The **Young Strain Characteristics** follow through all my yards and my matings this year should be superior.

WATCH the Show Reports throughout the United States and Canada, and you will find that Young's Strain predominates and wins the coveted prizes and lays the greatest number of eggs.

Hundreds of the grandest cockerels ever bred, for sale. **Remember you cannot win without my strain**

MATING LIST FREE, ADDRESS

D. W. YOUNG, E-3, MONROE, NEW YORK

was very successful in his several varieties. In Buff Orpingtons he won, pullets, 4. In Rose Comb Whites, he has long been a leader, having won at Madison Square Garden, New York, etc. Here he won in a large class: Cock, 2; cockerel, 2; hens, 2; pullets, 3 and 4. In Mammoth Pekin ducks, old drake, 2 and 3; old duck, 1 and 2; young drake, 1; duck, 1.

S. C. Reds—A beauty class, full of quality, shape and sound; color admirable. Mr. Ellis S. Shelly, Williamsburg, Pa., made a grand win here with a rich line of quality, birds winning, cocks 1-2, cockerels 1, hens 1, pullets 1. His first cockerel was awarded the championship special for best cockerel in the show. He also won the shape and color specials.

In Rose Combs the class was also well filled and of the same beauty quality. The winners very select.

Black Langshans, a small class, but with the best of quality. The same can be said of the Black Javas.

S. C. Brown Leghorns, a dandy class, full of the best of rich quality. The first hen, one of unusual beauty.

S. C. Buff, also a strong, large class of grand birds, the winners of particular worth and beauty.

S. C. White Leghorns, one of the three best in the show. The first cockerel a beauty in form and condition. All winners of superb quality. The Leghorn classes were a compliment to Judge Punderford.

S. C. White Orpingtons, a banner class and just as good in quality as in numbers. Judge Minich lost some hair over his job here and did classy work. The Green Ridge Poultry Farm, Inc., Green Ridge, Md., were the big winners with their "Cook strain" of birds, taking cock, 1; cockerel, 1 and 2; hens, 3 and 4; pullets, 1 and 5 and pen, 1, with all specials. Theirs was a beauty display of choice birds grandly shown. The winning cock a very rare specimen of shape and color and strong head. First pullet a beauty, white as the snow that was driving outside.

S. C. Black Minorcas, a real good class of good birds, birds of nice form and carriage and sound color.

Houdans, a small class, we regret.

Anconas, another strong class well shown; the winners were J. W. Dickson, C. W. Simonds, W. J. Fulton, Morris Cockeroft, Henry Cockeroft and F. A. Wolfe.

Dark Cornish, a fair sized class of fine birds. Blue Andalusians, very good, and a generous display of Hamburgs, Butter Cups, Polish, etc. Two standard game cocks, shown by Mr. Wash Moore, were features of the exhibit.

Bantams were a hot class all through, and in particular the Buff, Black and White Cochins. They were without doubt the best classes of these I have ever handled. Rose Comb Blacks and White Polish were close up, followed by the Games and Seabrights.

A fifty-pound bronze turkey was the attraction and a show feature. His nibs is a beauty and he strutted around his pen as if he were the largest thing at the show until he seen Jim Skiles, when he went to roost.

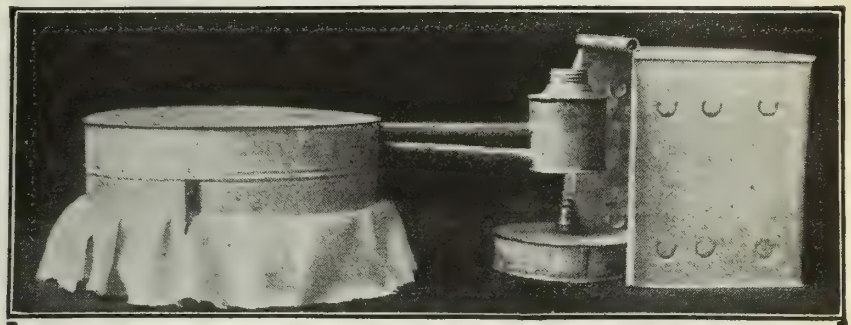
The show from first to last was a big success. The attendance very large, and business from reports exceptionally good. The exhibitors were happy and the visiting public enjoyed seeing fine quality birds and plenty of them.

This is one of the country's oldest associations. May they live long.

Lyman's S. C. White Orpingtons

Winners at Columbus, Ohio, Chillicothe, O. Eggs for hatching from pens including Prize Winners. Write for Mating List.

A. F. LYMAN :-: :-: BREMEN, OHIO



$2.50 THINK OF IT An all metal hover that will take care of from 30 to 50 Chicks for $2.50.

Made of No. 26 gage galvanized iron. A perfect Hot Water System that warms a flannel which lays on the chicks backs, heat applied by contact. Can be put in any box or coop in 10 minutes. Has stood the test for 3 years. We have thousands of testimonials on them from all over the world. It is just what the small poultry raiser wants, and is used by many large raisers.

Get our free book, it tells all about larger hovers and 53 different articles we make for you in the poultry line. Mention American Poultry Journal.

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Day Old Chicks and Eggs

PRICES

S. C. W. Leghorns

Bred-To-Lay Strain

Day Old Chicks 15c each up to 100
" " " 12c " above 100
Eggs for Hatching $1.00 per 15
" " " 50-100 5c each

Bred-To-Lay Strain

Anconas and Indian Runner Ducks

Carefully selected from finest strain

700 Acres Devoted Exclusively to Poultry

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THE KELLS FARMS

R. F. D. Box 82 New Paltz, N. Y.



This illustration shows the first prize and silver cup exhibition pen of Barred Plymouth Rocks, and cockerel heading second prize pen at the last Madison Square Garden, New York, Show, winter 1913-1914. These birds are owned, were bred and exhibited by E. B. Thompson, Amenia, N. Y., originator and breeder of the world renowned Imperial "Ringlet" Barred Rocks. At this show the Imperial "Ringlets" won both first and second prizes on exhibition pens; first cock; all the prizes offered on cockerels, viz., 1st, 2nd, 3rd, 4th and 5th; and numerous cups and special prizes. Mr. Thompson's last three exhibits at Madison Square Garden have been rich in prizes; at every one of these shows his Imperial "Ringlets" have won first prize cockerel and champion male; first and second exhibition pens, besides other firsts, cups and specials in great numbers. The "Ringlets" have won first prizes at New York for more than a quarter of a century.

THIRD ANNUAL INTERNATIONAL EGG LAYING CONTEST.

Report for the Month Ending Feb. 28, 1914.

By Wm. F. Kirkpatrick.

ENGLAND is still leading in the International Egg Laying Contest at Storrs, Conn.

Not only that, but the English pen of White Wyandottes has increased its lead from 86 eggs on February 1st to 120 eggs on March 1st, or at the close of the fourth month. Weather conditions at the competition plant were most uninviting during the month of February. With the single exception of the first day of the month the minimum temperature ranged from a few degrees below freezing to 6 degrees below zero every day in the month. More snow fell during February than in any other corresponding period in many years.

In the face of adverse weather conditions, however, and in spite of the short month the hens laid more than twice as many eggs as in January, or a total of 8,760, making a grand total of 18,207 eggs. Thirteen individuals, including White Rocks, White Wyandottes, Buff Wyandottes, Rhode Island Reds and White Leghorns laid 20 eggs each or more during the month. The eight best individual scores for the first four months of the competitian are as follows:

Pen.	Eggs.
14—English White Wyandotte.....	85
35—New Hampshire R. I. Red.....	79
14—English White Wyandotte.....	73
21—American Buff Wyandotte Club.	73
35—New Hampshire R. I. Red.....	72
40—Experimental White Leghorn...	72
4—New York Barred Rock.....	71
30—Pennsylvania R. I. Red.....	71

Awards for the month of February have been made as follows: The blue ribbon, or first prize, goes to a Pennsylvania pen of Rhode Island Reds owned by Dr. J. A. Fritchey, of Harrisburg, Pa. which laid 161 eggs. The English pen of White Wyandottes owned by Tom Barron got second prize for the month with a production of 159 eggs. Dr. N. W. Sanborn, Holden, Mass., captured third place for the month with his Buff Wyandottes, which yielded 151 eggs for February. Geo. P. Dearborn, Lake Como, Fla., and A. B. Brundage, Danbury, Conn., receive honorable mention, as their two pens of Rhode Island Reds followed closely with 150 and 148 eggs respectively.

Destroying Lice.

With the approach of spring the lice problem naturally becomes somewhat more serious than through the winter. Heretofore the lice on the Competition Plant have been held in check by dusting the hens with a commercial lice powder that seemed to keep the lice down fairly well if applied often enough. The objection, however, to the ordinary lice powder is that it does not as a rule destroy the eggs or nits, so that, while a hen may be entirely freed of lice by the use of the powder, such eggs as are left will hatch out in the course of ten days or less and the bird is lousy again. The Storrs Experiment Station has therefore been led to the use of a simple salve which it is believed will prove more effective. This salve is nothing more or less than ordinary blue ointment or mercurial ointment mixed with equal parts of vaseline. It must be understood, of course, that this ointment is very poisonous, and care must be exercised in its application. After mixing the blue ointment and vaseline in equal parts, take on the end of the index finger an amount

BLUE ORPINGTONS

And the Man That Made Them

If you require Blue or Cuckoo Orpingtons, either birds or eggs, **then why not the best?** For which you will come to the **originator** of these two varieties, only address as below.

Write for our 1914 Catalogue

WM. H. DEPPER, Organizer and President of the Blue Orpington Club

ART. C. GILBERT, Originator of the Blue and Cuckoo Orpingtons

Orpington Eggs—Blue, Cuckoo, Black, Buff, White, $15 from No. 1 Pens; $10, No. 2 Pens; $5, No. 3, per Setting. Red Orpingtons, $20 a Setting.

PINE LODGE FARM CO., SOUTH LINCOLN, MASSACHUSETTS



N.A. Contest 282 Eggs

TOM BARRON'S

Mo. Contest 258 Eggs

WORLD'S GREATEST LAYERS

Champion 200 Egg Strain Imported Direct from England

S. C. WHITE LEGHORNS—BUFF ORPINGTONS—WHITE WYANDOTTES—S. C. R. I. REDS

Now in the lead in the National Egg-Laying Contest, at Storrs, Conn. **Now in the lead** in the North American International Egg-Laying Contest at Thorndale, Pa. Our entry of English Wyandottes has **defeated all English and American Birds** up to Feb. 1st in the present Missouri Egg-Laying Contest—one pullet (No. 181) has laid 53 eggs, leading the entire 1040 hens. **Winners** of 1st Prize and Cup, **1913 Missouri Contest,** ten hens laying 2073 eggs. **Winners** of 1st Prize and Cup, **1913 North American Contest,** five hens laying 1190 eggs, defeating over 500 of the leading utility breeders of America in open competition.

Most Profitable Poultry in America

We have a limited number of eggs for hatching from the

Winners of the Missouri Egg-Laying Contest, 1912-13

which made the marvelous record of 2073 eggs; seven hens laying over 200 eggs each—258, 246, 243, 226, 219, 219, 208 eggs respectively

We have imported more high grade English stock than all other American breeders combined—contest records prove that this is the greatest egg-laying strain ever produced. **We trapnest every layer** every day in the year.

Eggs for Hatching—Choice Cockerels—Baby Chicks

Write for **FREE CATALOG**—it contains valuable information that will increase your egg yield.

Address Office, 2022 Pearl St., Lancaster, Pa.





THE PENNA. POULTRY FARM

Lancaster, Pa.

of this mixture equal in size to a small pea or a large grain of wheat, then burrow into the skin about an inch below the vent. It is, of course, well known that if there are any lice on a hen they will in all probability be found in the region of the vent. The eggs of the lice are deposited in this place. It appears that a very small application of this vaseline-blue ointment treatment destroys the eggs and therefore does away with the future crop of lice. It should perhaps be remarked that any who have not tried this remedy and desire to investigate its merits should at first try only a few birds in order to make sure that too much of the ointment is not put on and that it is applied at the right place or else the hens themselves may be injured or actually destroyed by mercurial poisoning. Furthermore one should not expect the hen to become absolutely free from lice for a few days, because the treatment may not reach the lice on other parts of the body. As an illustration of what this treatment accomplishes, one pen in the Egg Laying Contest was treated in this way by its owner before being sent to Storrs. Close inspection of this pen on March 1st revealed no lice, whereas the birds in the adjacent pen were found to be lousy.

Experimental Pens.

In some ways the standing of the experimental pens at the close of the fourth month is much the same as has been previously reported. In both the Plymouth Rock and Leghorn groups, the pens that are receiving neither green food nor beef scrap are the lowest producers. In the Plymouth Rock group, the pen that receives the regular contest ration with the addition of sour milk but without any green food leads; whereas in the Leghorn group, the pen receiving the regular contest ration with addition of sour milk but without any beef scrap is leading. If we combine these two groups, it will be seen that the addition of sour milk to the regular ration makes for higher egg production except in those cases where neither beef scrap nor green food is supplied. The experimental pens have not been listed in the ten leading pens given below, but as a matter of fact two of the Leghorn pens occupy third and tenth places with a total production, the 1st of March, of 515 and 366 eggs respectively. It is interesting to note in this connection that these Leghorns were just five months old when the contest opened on November 1st last. A few weeks ago the writer was discussing this question of sour milk for growing chicks with a Connecticut poultry man, who brooded 7,000 chicks last season and who had used the sour milk freely for the first time. This breeder was of the opinion that in his case the milk was responsible for developing his pullets a full month earlier than he had ever been able to do before.

The ten leading pens at the close of the fourth month are as follows:

Tom Barron, Catforth, near Preston, England, White Wyandottes, 650; Francis F. Lincoln, Mount Carmel, Conn., White Leghorns, 530; Neale Bros., Apponaug, R. I., White Wyandottes, 478; Merrythought Farm, Columbia, Conn., White Wyandottes, 470; Dr. J. A. Fritchey, Harrisburg, Pa., S. C. Rhode Island Reds, 458; Cecil Guernsey, East Cobleskill, N. Y., White Leghorns, 429; Jules F. Francais, West Hampton, L. I., N. Y., Barred Plymouth Rocks, 382; Geo. P. Dearborn, Lake Como, Fla., S. C. Rhode Island Reds, 380; Pinecrest Orchards, Groton, Mass., S. C. Rhode Island Reds, 345; Tom Barron, Catforth, near Preston, England, White Leghorns, 336.

PARSONS WHITE ORPINGTONS

In two years we have won two 1st, one 3rd, four 4ths, one 5th on cocks; 1st, 2nd, 3rd, 4th, 5th hens; two 1st, two 2nd, one 3rd and 5th on cockerels; 1st, 2nd, 4th and 5th pullets; 1st and 4th pens; best display; best local cockerel; four silver cups and two specials against imported S. C. White Orpingtons at Cleveland Fanciers, Breeders and Toledo Shows. Thirty-five winners of forty entered. *Every bird in our pens a prize winner or from prize winners.* Book egg orders early, as only a limited number will be sold. Baby chix.

PARSONS POULTRY PLANT BOX 41 AVON LAKE, OHIO

LINE BRED STERLING STRAIN HEAVY LAYING

RHODE ISLAND REDS

Won at Illinois State Show: 1st ckl., champion male and color special, 1st young pen, 2d old pen, 3d hen. Champaign, annual meeting of Central Illinois S. C. Red Club, class of 340 Reds, won: 3d ckl., champion male and color special, 1st young pen, 5th hen, 3d and 4th pullet, color special on female, $10 in gold, champion male, sweepstakes cup on best pen, $10 cup, best display.

EGGS, $2 per 15, $6 and $8 per 100 Single and Rose Comb CHICKS, $15 per 100

Give us a trial order and be a satisfied customer. Send for free mating list.

STERLING POULTRY FARM John Bressler, Prop., Harry B. Bressler, Mgr. BOX A, STERLING, ILL.

HALBACH'S

White Plymouth Rocks



Unretouched First Springfield Cockerel

Just off the Press. My new grandly illustrated 32-page catalog filled with common sense, down-to-the-minute useful information, tells you all about raising chicks, feeding for fertile eggs, breeding, etc. Sent to any address upon receipt of 20 cents. You need this latest book. Like Halbach's White Rocks, it is of Superior Quality.

Eggs from Best Matings Ever put together at $12.00 per 15. Our winning of every first, second and five thirds at Chicago (this season) proves this contention. Our strain holds the world's record. Eggs are hatching fine and you have the same chance as I to raise the sensational winners of next season.

Utility Eggs, $10 per 100

A fine assortment of stock to supply your wants. At reduced prices. Explain fully what you want.

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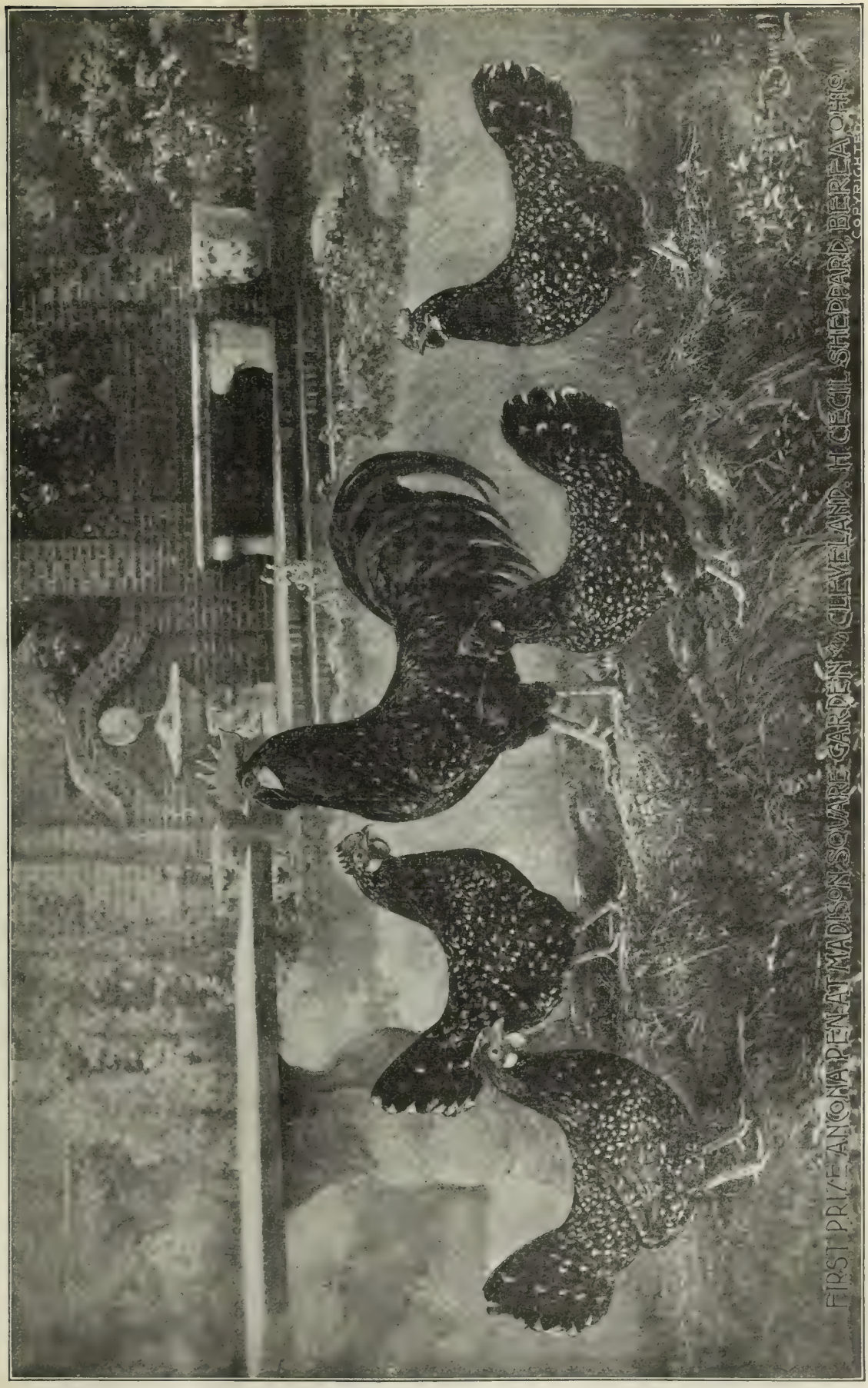
Guaranteed Eggs

Rhode Island Reds, Single and Rose Comb

We are the largest breeders of this, America's most popular fowl, and our birds have won the leading prizes in America's foremost shows, such as Chicago, Indianapolis, Madison Square Garden, Cincinnati, St. Louis, Kansas City, Nashville, Atlanta and many other shows. If you want to start right or strengthen your flock, you should get some of the eggs from the leaders of this breed. Our mating list is free, send for it. Our beautiful catalog of 64 pages contains many articles on raising and caring for poultry. It will be sent to you for 20 cents in cash or stamps.

BUSCHMANN-PIERCE RED FARMS

FARMS: Carmel, Indiana OFFICE: 839 State Life Bldg., Indianapolis, Indiana


FIRST PRIZE ANCONA PEN AT MADISON SQUARE GARDEN, CLEVELAND, H. CECIL SHEPPARD, BEREA, OHIO.
COPYRIGHTED

Pacific Coast Department

Conducted by H. H. Collier, Tacoma, Washington.

WHEN one hears of trap nests here in the Northwest, his thoughts turn to D. Tancred, Kent, Washington, the man who has made trap nests famous in these parts. Mr. Tancred commenced to trap nest ten years ago. He has kept it up persistently ever since and what is better he is now able to give results that are valuable.

To trap nest on a large scale that requires a man's whole time given to that work alone—which is the case where from 1,500 to 2,000 fowls are trapped, is a tedious, nerve racking, job. No ordinary farm hand can be considered serviceable for such work. Nor can it be parcelled out among a lot of irresponsible students if any dependence is to be placed on the records. Responsibility is the keynote of this work. One person must trap the fowls from the beginning of the year to the end and must be held solely accountable for its correctness. A good physique is required in this work. Many miles of walking are included in a day's work and the removal of say, one thousand to twelve hundred fowls from the nest and the recording of that number of tallies on the laying charts means quick, deft work and not a single wasted motion. Good mental and moral quality is also vitally necessary. The man handling a big trap nest job must be observant and able to concentrate all his faculties upon his work and keep them concentrated all day long, and that requires no mean mentality and an equable temperament besides. It goes without saying that the man on the job must be honest and in every way dependable. Last, but by no means least of all, he must be fond



"Lillian Russell," otherwise No. 06. A Tancred Farm White Leghorn, with a pullet year record of 278 eggs. Hatched Jan. 25, 1912; laid first egg July 18, 1912.

of his job and a lover of fowls, otherwise he would find the work unbearably irksome in a month's time. It is hardly to be wondered at that the man in charge of the trap nest on this big Washington breeding farm is paid better wages than many college professors. Nor is it surprising that the owner of the establishment considers the records made at his place a trifle more reliable than official records of many experiment stations. In this connection I may here remark that it would be interesting to know just how the records are made at the experiment stations. Oddly enough, in all cross fire or argument and criticism occasioned recently by the alleged laying records made by scrub fowls at one of the colleges, not a question has been asked regarding the Modus Operandi, surely the performance of these world's champion layers must have been tallied by no less a person than the gentleman in charge of the department of poultry husbandry himself. It is not conceivable that he would stamp as "official" and "world's greatest," a record made by relays of students or by the common or garden variety of hired men.

On the Tancred farm one man has kept on the job at all times. He is there the first thing in the morning and leaves with the sun at night. His work is to see that each and every hen is lifted from the nest and the band on her leg must be looked after. He must record the egg she lays and take care that he does not get the check or tally opposite the wrong leg band.

We have visited this ranch on an

RED SUSSEX **CARVER'S RED FARMS, SEVILLE, OHIO** GOLDEN CAMPINES

SINGLE AND ROSE COMB RHODE ISLAND REDS

RAISED ON SEPARATE FARMS RAISED ON SEPARATE FARMS

Winners at Madison Square Garden, Chicago, Buffalo, Cleveland, Ohio, A. P. A. Shows. All our exhibition matings headed by winning males at one or more of the above shows. Write for our great **Down to Rock Bottom** egg prices, and **Fertility** guaranteed. They will open your eyes and save your pocketbooks. **A. A. CARVER, Specialty Breeder -:- SEVILLE, OHIO**

THE WORLD'S BEST
S. C. BUFF ORPINGTONS

Winners for years at Chicago, Pittsburgh and Cleveland. Winners from coast to coast in customers' exhibits. Improve your matings with one of our males.

25 Pens Mated for the Egg Trade

Headed by these and other winners, birds of grand type, even Golden Buff to the skin, and fine head points. These pens will also contain many prize-winning females. Mating list free on application.

Roseland Poultry Farm **Chas. W. Switzer, Prop.** **South Euclid, Ohio**



Prize-Winning Eggs, Matings or Day-Old Chicks

cost no more from the famous

Flanders' Strain of S. C. W. Leghorns

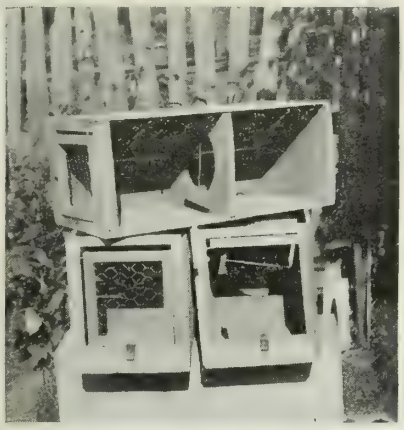
This strain won the largest number of high prizes at the National (Official) Poultry Show, Chicago, Dec., 1913. It is at the head of the list. Our Specialty is Prize stock because to win high prizes a strain must be pretty nearly perfect. And yet Eggs, Matings, Day-Old Chicks, etc., from this prize strain cost no more than inferior stock elsewhere. And you eliminate all risk, as we rigidly guarantee every shipment, large and small, of every kind. We can do this because our stock is the highest grade that ample range and modern equipment can produce. Orders are increasing daily for early Spring delivery. Book yours now. Pay only when you order shipment forward. Write for catalogue of this greatest Prize-Winning Strain, by return mail.

FLANDERS' WHITE LEGHORN FARM, Box A, ORCHARD LAKE, MICHIGAN

average of four times a year for the last eight years and never have we been there unless we went through the trap nest houses and at no time have we ever found the man off the job. These records we think as authentic as can be made by man.

Mr. Tancred trapnested sixteen hundred White Leghorn pullets last season. Out of this number he was rewarded with 158 hens that laid over two hundred eggs in their first pullet year. Fifteen hens out of the 158 reached the high mark of 240 eggs. Mr. Tancred calls these his "Royals." He had one hen that made 282 eggs, while another made 278 and a third 270. Below we give a picture of the hen that made 278 eggs and her chart record for the year. We liked this hen the best from a fancier's standpoint and pictured her instead of the 282 hen, who was also a Leghorn of good type.

The average of the sixteen hundred hens was 174 eggs each. Mr. Tancred believes that had not some of the hens (pullets) died during the year his average would have been greater. The hen that laid 282 eggs was from a mother that laid 260; her grandmother was in a pen that made over two hundred eggs. In order to keep track of these hens, Mr. Tancred toe marks each bird and bands them with seal bands. Out of hens that laid 240 eggs he hatched 31 pullets that averaged better than 200 eggs each. These chicks were hatched with hens and they were toe marked at the time that they were hatched. Most of the hatching is done with incubators on this big ranch and most of the chicks are brooded in the room brooders. At the time of my visit (March 10) there were 782 little January 18 hatched chicks that were nicely feathered out and doing fine. The day was ideal. Sun shining, and the way that big band of little fellows were mowing down the grass was a caution. In another room brooder there were something like a thousand baby chicks, three weeks old.



Maine Experiment Trap Nest. Kind Used on Tancred Farm.

These were also doing fine. I was out at midnight with Mrs. Tancred to see how the youngsters were doing. The night had turned cold and we had a big frost the next morning. At the time we first went out the temperature was a little low, and the youngsters were beginning to bunch, but they were soon put in their places and the lamp turned up and room soon heated to the required temperature.

It had been Mr. Tancred's plan to hatch a lot of chicks with hens and allow the hens to brood them, but he says that if it were not for keeping track of his pedigrees he would do all of his hatching and brooding artificially. He says that he can see little, if any, difference between those hatched with hens and those under incubators.

Mr. Tancred does not agree with all trap nest authorities on the question of transmitting the laying qualities. He finds that hens will often transmit those qualities to the pullet as often as she will to the male. He is careful, though, to always breed males from high laying record dams and in that way they get their laying qualities from both sides of the house.

Mr. Tancred might be said to be the brains of the farm. He is an invalid and must go around the farm in a chair. He has lost one of his legs and has little use of the other, in fact, finds it hard to get around on crutches, but despite that fact he is one of the most enthusiastic poultrymen that I know of. He seldom has a chance to mingle with the poultrymen, but he has a pile of visitors who call on him and they swap all of the gossip in poultrydom with him. He is a great reader and keeps posted in all poultry matters and writes a great deal for the poultry press of the Northwest.

My idea in giving this trap nest article is to tell the readers what it means when a man advertises trap nests. I am sending a photograph of the trap nest

LEHNE'S BLUE ORPINGTONS
Winners of all firsts and specials, Columbus Grand size, color, shape and practical qualities. Egg $5.00 per 15. Circulars.
ADOLPH LEHNE, MECHANICSBURG, OHIO

Clemans' Columbian Rocks
Highest honors at Chicago, New York, Philadelphia, etc. All firsts at Columbus this season. Buy from the Originator and get the advantage of 12 years' selection for bone, size, color and practical qualities. Eggs $3.00 to $5.00. Circulars.
F. M. Clemans - Mechanicsburg, Ohio

BUFF ORPINGTON EGGS
AS GOOD AS MONEY CAN BUY
Don't fail to get our free mating list, in which you will find a complete description of our sixteen breeding pens—egg records—show record from 1910 to the present time, etc. Twenty-six of the winners at one of the recent National exhibitions were shown by our customers and all were hatched from our eggs. Our 1914 matings are going to produce the blue ribbon winners for many of America's best shows next season.
BRUCE & ABBOTT BOX 10 WHITELAND, INDIANA

Scranton's Single Comb Reds
No strain of Reds have won more consistently year after year in all the big shows than the birds **bred by me.** Always at the **top** in Chicago, Cincinnati, St. Louis, Kansas City, Indianapolis, Hagerstown, Louisville, etc.
Our line of male birds is unexcelled. In the recent Chicago show our males won more points than **all competitors combined,** which record they have held every time exhibited at this show. **There are no better Reds bred.**
Send for my catalog of matings for full particulars,—it is free. A few good breeding cockerels yet for sale.
B. H. SCRANTON BOX 350 RISING SUN, INDIANA

SMITH'S
Single Comb
Buff Leghorns
The largest exclusive breeder of buffs in the world.
I have no other breeds and had the grandest winter layers and winners at thirteen of the big shows. EGGS and DAY OLD CHICKS by the thousands. Send ten cents for catalogue and find out how to raise 150 pullets to the age of six months for 15⅓ cents each.
If you want GRAND LAYERS or SHOW BIRDS, write me your wants
F. S. SMITH, Box C and D, Hamilton, Ohio

used. It is the Maine experiment station nest and it gives splendid satisfaction and is easily made and easily operated by the hens as well as the attendant.

The price of eggs has begun to go down and is now around 20 cents per dozen. The year of 1913 will go into history as one of the best years we have had for some time in the matter of price of eggs, despite the fact that they reached their lowest level last March. Seattle, for some reason our best market, shows the following for the year of 1913:

	First of Month.	Middle of Month.	Last of Month.
January	36	30	30
February	28	20	18
March	18	19	20
April	21	22	23
May	23	22	23
June	25	27	28
July	28	30	30
August	32	34	34
September	35	40	44
October	44	45	50
November	52	55	52
December	50	45	45
January, 1914.	44	35	38*
February	38	23	20

*Unexpected raise the last of January on account of big Alaska shipment of eggs when cold storage were exhausted. This is liable to happen at any time that Alaska ships leave and cold storage eggs are short.

One beauty about the climate of the Northwest, we never have weather so warm as to spoil eggs in summer. Our nights are always cool enough to demand a blanket on one's bed, and take it from us, one finds use for that same blanket before morning. I have lived in the Northwest (Tacoma) for the last twenty-five years and I never saw the night which I could go all night without cover. I had a sample of the Eastern kind of weather last summer, when I went as a delegate to Atlantic City. When I left



D. Tancred, Kent, Wash.

home I was wearing an underwear that is used here in winter. By the time I got to St. Paul I had changed to a light knit variety. At Atlantic City I cut the sleeves off up to my elbows and the others off at the knees, but when I hit St. Louis I cut the sleeves off up to my shoulders and would have gladly gone without the rest of the suit if the sun had not been shining so brightly, and I did not, unlike some of the ladies, care to tackle the x-ray kind of apparel.

The question of show rules are now up to the committee of three appointed at Atlantic City. These rules can be made just to the liking of the poultry show managers, provided they will come through and tell the committee just what they want. The chairman of the committee is W. B. Atherton, of the Boston Poultry Association. The other two members are Charles D. Cleveland, of the Madison Square Garden poultry show, whose address is Eatontown, N. J., and Harry H. Collier, Tacoma, Wash. This committee desires the views of the show managers, and if you do not get what you want it is your own fault.

There has been quite a little controversy here in the Northwest over the fact that the Oregon experiment station gave out a bulletin in which cross-breeding was recommended to the farmer. One thought seems to have escaped the two parties to this controversy. In mongrelizing the fowls one mongrelizes the eggs. In other words, cross-breeding is sure to bring different colored eggs as well as different sizes. Leghorns, Minorcas, Campines and those breeds noted for egg production, generally lay white eggs. The medium weight fowls, such as Plymouth Rocks, Wyandottes, Rhode Island Reds, all lay brown or tinted eggs. If we cross our Leghorns with one of the middle weight fowls, we are more than bound to get eggs of different colors as well as different sizes. The egg that will sell the best in market is one that is graded



RANCOCAS
White Leghorns
and
White Rocks

Have won the principal honors at five of America's largest shows, this season, including Madison Square Garden and Boston. Why not buy your hatching eggs where you can get the best?

Send for our complete winnings and mating list.
Eggs from our best matings **$10.00** per **15.**

RANCOCAS POULTRY FARMS
Box 512 **Browns Mills, New Jersey**



PALACE N. Y. SHOW, 1913

WINNING BARRED PLYMOUTH ROCKS

In a class of 213 birds, bred and shown by America's Leading Breeders in one of the largest and best classes ever exhibited, I won **Special First for Best Cockerel,** Mating Pen, Second Pullet Mating Pen, Fourth Exhibition Pen, **First and Third Pullet-bred Cocks,** Fourth Pullet-bred Cockerel, Second and Third Cockerel-bred Hens, Second and Third Cockerel-bred Pullets. **Specials, etc.** A record of merit in all classes.

Palace, New York Show, 1912

In a class of "Royal Merit" my winning First Prize Pullet was the sensation of the entire class. I also won Second Pen, Second Hen, Fourth Cockerel and Specials. At **Madison Square Garden, New York, 1912-13,** I won Seventh Pullet. This line has been bred for years in line and has made records at several shows. Choice stock for sale at all times, selected breeders a specialty in trios and pens, mated to produce superior quality. **Eggs for Hatching** from selected exhibition matings, $10 per setting. Utility mating eggs at special prices of $8 per one hundred. **Baby Chicks,** $9.00 per fifty, $15.00 per one hundred. Write me your wants, I can and will please you. My utility lines are exceptionally heavy layers. When writing please mention American Poultry Journal.

JOHN D. G. GENNERICH **MOUNT KISKO, NEW YORK**

to color as well as to size. To ship a bunch of eggs of all colors of the rainbow is simply foolish. No vender of eggs likes to put out a mixed colored lot if he can get straight whites or straight brown. The one-colored egg, one-sized egg looks better to the average buyer.

There is little to be gained in crossing any thoroughbred fowl. To cross a Leghorn with a Plymouth seems worse than foolish. Some of these crosses have been known to lay well, that is, the first cross, but to follow up the cross simply gives one a lot of mongrel-colored as well as off-shaped fowls. The egg question is one that should be thought of. The egg problem is simply one that is purely commercial. You sell your best fruits assorted to one shape and color. No good fruit dealer would think of sending a "Delicious" packed with a lot of Gravensteins, nor would the grower of Spitzenberg apples think of mixing them with a lot of Ben Davis apples. He sorts his apples and tries to get the most heightened colors, as well as best shaped, in the same boxes. We should be just as careful of the product of the hen.

If one will take a crate of chickens to market, all running uniform in size as well as color, he will find that the market will take to them more readily than it would if these fowls ran all weights and all colors. If he would dress his fowls for market, the market would buy quicker if they ran all of one size. In the restaurants here on the coast the caterers seem to want a broiler that will weigh about one pound. That is, when broilers are plentiful. They will give a better price for a uniform lot of dressed broilers than they will for those that will run to all shapes as well as weights. What a restaurant likes to serve is either half or a whole fowl for so much. If these fowls will run about a pound, then they know just what they can serve their customers and the profit in each order.

———o———

Editor American Poultry Journal:

Dear Sir.—Election Commissioner McCord has just reported to me that through the unsolicited vote of nomination the members of the American Poultry Association have placed my name in nomination for president, first vice president and second vice also, and through these columns I wish to thank these friends for this act of confidence and show of appreciation of my past work with the Association.

Those of you who were present at the inauguration of officers at Atlantic City will call to mind my remarks pledging my undivided support and hearty coöperation to the administration of President Thompson, and at this time, while thanking you for your kindness in making this nomination, feel that in fealty to the administration I must decline in making the race for president of the American Poultry Association.

However, should you so vote in this election to place me in a minor position, that I may be enabled to continue the education in the national work and aid in every manner possible the administration with which I am enabled to work, I trust your confidence will feel repaid with the services rendered.

Yours, fraternally,

ARTHUR A. PETERS,
President Colorado Branch.

———o———

"The Back Yard Farmer."

The joy a back yard garden can furnish! One who has never experienced it can realize what it means in reading "The Back Yard Farmer," a new book by J. Willard Bolte (Forbes & Co., Chicago, $1.00); and if he is a flat-dweller he will be tempted to make plans for moving to the suburbs immediately. And if he is seeking a solution of the high cost of living problem he will be sure to go; for this valuable book solves that question. And not only does it show how to reduce the expense of food but it also tells how to get better food and better health and get dividends and pleasure out of the wonderful possibilities of the back yard.

The seventy-five chapters of this useful book give complete and reliable directions for the best cultivation of vegetables, fruit and flowers, the management of poultry and pets, the proper care of the lawn, vines and shade trees, and discuss everything pertaining to the outdoors of the suburban, village or country home.

PULLET YEAR EGG RECORD "NO. 06" OWNED BY D. TANCRED, KENT, WASH.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL FOR MONTH
JUL. 1912																																10
AUG. "																																25
SEP. "																																23
OCT. "																																24
NOV. "																																15
DEC. "																																14
JAN 1913																																18
FEB. "																																22
MAR. "																																27
APR. "																																29
MAY. "																																29
JUN. "																																27
JUL. "																																15

SWORN TO AS TRUE AND CORRECT BEFORE H. B. MADISON, NOTARY PUBLIC, KENT, WASH. TOTAL FOR YEAR. 278

POULTRY CUTS
Our new catalog now ready; latest and best designs; all varieties; ask for it today
Chas. L. Stiles, Columbus, Ohio

Keifer's White Wyandottes
EGGS! BABY CHICKS!
From Chicago, Indianapolis, St. Louis and Illinois State Fair winners. If you could see my breeding pens, you would not hesitate to order.
SEND FOR MATING LIST.
FRED B. KEIFER MARSHALL, ILLINOIS

Pen-y-Bryn Farm
AMBLER, PA.
Breeders of
S. C. White Leghorns, White Wyandottes, Imperial Pekin and White Indian Runner Ducks, Eggs, Chicks, Ducklings and White Leghorn Pullets for sale. BOX A36

E. R. COLLINS & SON, Mgrs.
HUNTINGTON POULTRY CO.
Huntington, L. I.
Silver Campines, Black, Blue, Buff, White Orpingtons, R. C. Black Minorcas, Buff Leghorns and Black Wyandottes. Stock, Eggs & Young Chicks.
Write for Prices.
(See Madison Square Garden Winnings.)

AIREDALES The dog that has the good points of all other breeds combined without their faults. They are hunters, retrievers, trailers, watchdogs, companions, in fact the best all 'round dog bred today and the most popular. We have a pamphlet on their uses.

Scotch Collies—The old Reliable. They are stock drivers, watchdogs, renowned for their usefulness and beauty. We have pups, grown dogs, bitches, open and bred. Send for Sales Sheets. P. L. SAVAGE, St. Charles, Ill.

SAY! WHY DON'T YOU

grind your own oats, corn, peas, dry bone, oyster shells, nut shells, dry stale bread, etc., for poultry feed on a GREAT BIG HAND GRINDER THAT NOW COSTS ONLY $4.00
You need a grinder if you raise poultry. Thousands are used all over the world. Capacity 1 to 2 bu. per hr. Shipping weight 40 lbs.
A child can operate it.
We also build SAMSON windmills and power feed mills. Send for free catalogs, stating what interests you.
Stover Mfg. Co., 318 Plymouth St., Freeport, Ill.

PAYNE BROS.' R. C. R. I. REDS
EXCELLED BY NONE
Win as many Firsts at New York, 1912-14, as any other Exhibitor.
Win as many Firsts at Boston, 1912, as any other Exhibitor.
We have raised more Blue Ribbon winning females at Madison Square Garden, in the last four years, than any other Exhibitor.
Silver Cup for best display at National meeting of the R. I. Red Club, New Haven, Connecticut, December, 1913. Our Matings are the best ever. Catalogue free.
PAYNE BROS. Box J Portland, Connecticut


1st Pullet, Balto., 1914
JAQUELIN FARMS' DARK CORNISH
AMERICA'S CHAMPIONS
Leading winners at Club Show, 1913, and at America's greatest shows, including Philadelphia, Baltimore, Allentown, Hagerstown, Richmond and Washington. Champion show birds and breeders for sale. If you want quality, write—if not, keep mum. Eggs from 10 grand pens.
JAQUELIN FARMS, Courtland H. Smith, WARRENTON, VA.

Poultry Publicity

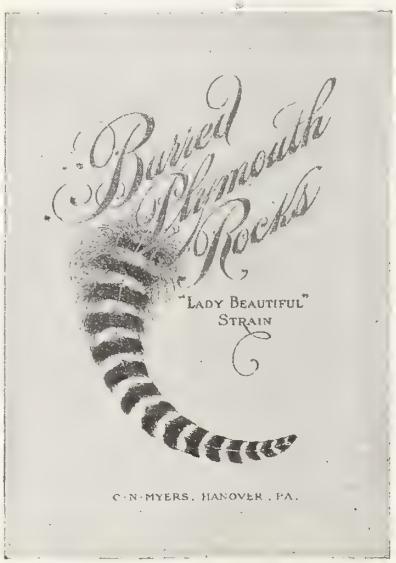
by Louis A Stahmer

THE FOREMOST requirement in the advertising of any commodity is "attraction." Whether you are advertising coffins, cough drops or chickens it makes no difference. "Attraction" must be the keynote. In these days of competition it is almost absolutely necessary to make your advertising as attractive as possible in order to distinguish it from your competitors. Advertising space in high grade magazines is far too expensive to experiment with and instead of an investment is liable to become an expense for the reason that the copy does not pull and present an attractive appearance and lead the arguments of the advertisement or other printed matter of your competitor.

"Attraction" and argument must go hand in hand in every good piece of advertising copy; they must, so to say, "back up" each other. An attractive ad without the punch is a waste of effort. Attractive publicity is in perfect harmony with the poultry business, for nearly every breed of poultry has some kind of claim on beauty. In fact, some of the varieties are almost art creations. Does it not look reasonable therefore that advertising of all kinds pertaining to this subject should harmonize?

You would not expect a dainty catalogue done up with a nice blue silk ribbon from a machine manufacturer who sells heavy machinery for mining operations, neither would you look for a great big book from a high grade milliner, for the reason that the first impression of a catalogue must be convincing enough to make the reader willing to look further and peruse all the matter. That some of the poultry breeders have the knowledge of preparing result bringing advertising copy and printed matter is very much in evidence in the many fine catalogues that have been received at our office this season. While our space for this article is limited to mention all of them, yet we cannot refrain from calling attention to the more pretentious ones.

One of the best catalogues received at our office for some time is that of Hugh



A. Rose, the well-known Orpington breeder of Fonthill, Ont., Canada. As a convincing piece of publicity this book is certainly in a class by itself. The cover is printed in green, red, black and gold and is heavily embossed and through a cut-out in the center a head of one of Rose's magnificent Buff Orpingtons is shown. Beautifully printed on high grade paper and containing many fine illustrations it is altogether a book well worth while sending for.

Another fine book is that of C. H. Myers, the well-known Barred Rock breeder of Hanover, Pa. It is better than any other that has come to our office in years, classy from cover to cover. The catalogue of the Bridgewater Poultry Farm, Libertyville, Ill., P. O. Hawthorne, is chuck full of information about the well-known Red Raven strain of Rhode Island Reds. The cover is attractively printed and embossed in gold, blue and red and from an artistic standpoint it excels. The book contains numerous illustrations of some of the famous New York, Chicago and Cleveland winners and also a mating list describing their many pens of as fine Reds as grow.

Robert Walden of Middleburg, Md., has sent us the neatest little mating list on Barred Rocks that has ever come to our desk. It will be remembered that Mr. Walden has been connected with thoroughbred horses for years and his racing colors are violet and white. This same color scheme has been carried out in his mating list and presents an unusually artistic effect.

Frank E. Hering, the well-known White Leghorn breeder of South Bend, Ind., has issued a beautiful mating list. The cover printed in gold on green stock and heavily embossed makes a very fine appearance. The booklet is well illustrated with many of his Chicago, New York and Indianapolis winners and is well worth sending for.

A. E. Martz' Buff Orpington fashion plate book is in a class by itself. Anybody who knows Martz of Arcadia, Ind., and has purchased stock or eggs from



Riley's Barred Plymouth Rocks

Have been consistent winners at America's leading show MADISON SQUARE GARDEN

This season, in quest of new fields to conquer, they made a record of unparalleled importance at two of the largest Shows,

BOSTON—INDIANAPOLIS

It is one of the prerogatives of many breeders to boast of the laurels they have won, themselves, at different shows, with birds they have raised and shown, which only goes to show that they are raising birds of that description for themselves. I would rather boast of the fact that I am able to supply my customers with eggs from which they raise the winners. Here is an example:

Darien, Conn., Feb. 10, 1914.

Dear Sir: I am pleased to report result of hatch. Out of the eggs from Pen No. 4 we raised five Cockerels and two Pullets. With three of the Cockerels we won First and Second at Stamford, Conn., in the open class and the other Cockerel headed the First Pen. Judge C. H. Welles (who has judged at New York) pronounced him in a class by himself **and good enough to win at Madison Square Garden.** Yours truly, (Signed) P. G. SEXTON, Supt.

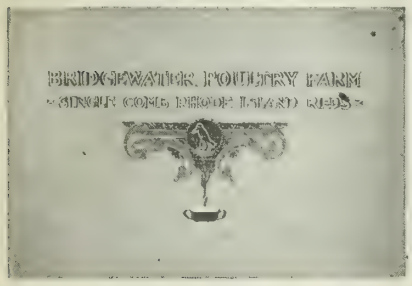
I have produced winners for my customers at Madison Square Garden, Boston, Chicago, Buffalo, St. Paul, Los Angeles, etc., and I can do it for you. Before making your final decision where to purchase your eggs, send for my illustrated mating list, and be convinced.

"NOTE: Through an error in my Mating List, I have failed to credit the ownership of the 2nd and Undercolor Special Cockerel at Boston, as belonging to Mr. George D. Thompson, Jr., R. 1, Hope, R. I. I stated that this bird won 4th, which was a mistake. This being a bird of my strain, Mr. Thompson allowed me to refer to this winning in my Mating List, and I desire to give him full credit for the grand birds which he owns."

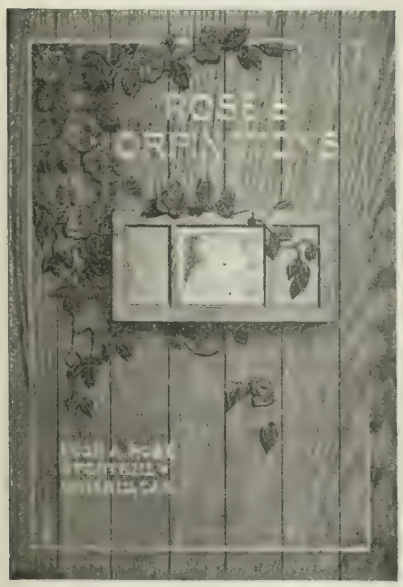
HENRY D. RILEY Box B Strafford, Chester Co., Pa.

him knows that "Quality" is his trademark and so is his catalogue; the one word "Quality" describes it all. The book is handsomely printed and contains many fine illustrations in black and white, and also a fine colored insert of a pair of Buff Orpingtons. As a text book on the breed it should be in the hands of every Buff Orpington breeder.

Monmouth Farms, of Freneau, N. J., have issued a fine catalogue on their White and Buff Leghorns. Other catalogues that have been received and are noted for their fine press work and il-



lustrations are as follows: Swastika Poultry Yards. O. E. Faxon, Prop., Plano, Ill.; Idlewood Poultry Farm, Swanville, Pa.; Mount Hill Poultry Farm, S. D. Hall, Prop., Seville, Ohio; Maplewood Poultry Yards, H. W. Hayner, Supt., Attica, N. Y.; F. A. Kaup, Glen Ellyn, Ill.; Brookdale Farm, Coatesville, Pa.; Mirimichi Poultry Farm, Foxboro, Mass.; F. S. Smith, Hamilton, Ohio; Sunswick Poultry Farm, Rufus Delafield, owner, South Plainfield, N. J.; The Rancocas Poultry Farm, Brown's Mills, N. J.; Harlo J. Fiske, West Springfield,



Mass.; Harry M. Covert, Terre Haute, Ind.; W. H. Everitt, Indianapolis, Ind.; Woolery Farm, Ralph Woolery, Bloomington, Ind.; A. B. Porter, La Salle, Ill.; F. E. Skinner, Sandwich, Ill.; Frank C. Cleveland, Morgan Park, Ill.; Charles H. Wood, Worcester, Mass.; J. W. Parks, Altoona, Pa.; Paul Wurtzel, Freeport, Ill.; F. A. Poertner, Berea, Ohio; Miss H. E. Hooker, South Hadley, Mass.; Luther J. Hall, Kenney, Ill.; United Breeders, Inc., South Braintree, Mass.; Dune Alpin Poultry Farm, East Hampton, N. Y.; Sheffield Farm, Glendale, Ohio.

Deming's Single Comb Rhode Island Reds

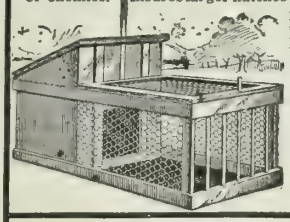
Win at Madison Square Garden, December, 1913: First pullet and color special, 6th pen. Breeders for sale. Eggs for hatching. Free circular.

H. P. DEMING -:- ROBERTSVILLE, CONN.

Hodgson Portable Poultry Houses

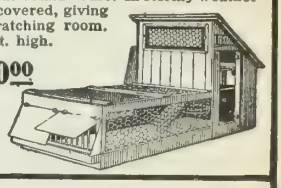
WIGWARM Setting and Brood Coop

For a hen and her chicks and while she is sitting. Gives protection from rats, skunks, hawks and other enemies. Insures larger hatches—has proved its success for 22 years. Shipped knocked down—size, 2x4 ft., 2 ft. high.



$3.00

No. 0 Colony Laying House—for 12 Hens Fitted complete with nests, fountain and feed trough. Sanitary—easily cleaned. One man can easily care for several hundred birds. Nicely painted—set up in 15 minutes. A comfortable year-round house. In stormy weather the run may be covered, giving a protected scratching room. Size, 10x4 ft., 5 ft. high.

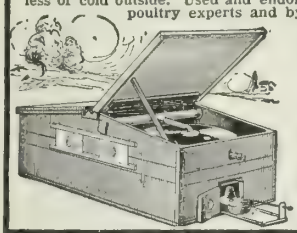


$20.00

TRADE MARK WIGWARM

WIGWARM Brooder

Hot-water and hot-air heating combined gives perfect ventilation—no danger of overheating—maintains even temperature regardless of cold outside. Used and endorsed by poultry experts and by experiment stations and such men as Dr. A. A. Brigham, Dr. N. W. Sanborn, Dr. P. T. Woods and Mr. A. F. Hunter. Size, 3x5 feet.

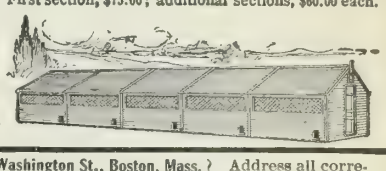


$15.00

Catalog Free

Five-Section Poultry House—10x50 ft.

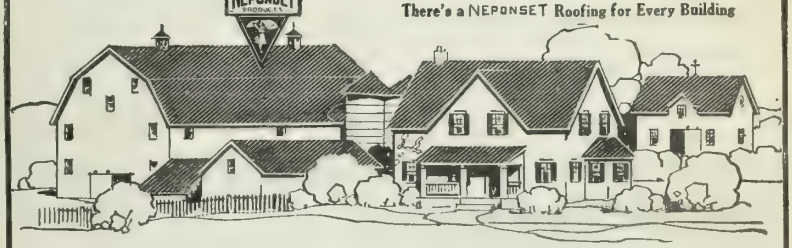
Sanitary, durable, up-to-date—made of red cedar, clapboarded outside, interior sheathed. Made in 10 ft. sections, each fitted with roosts, nests and fountain. Open fronts, with canvas-covered frames. You can add sections at any time. Easily erected. First section, $75.00; additional sections, $60.00 each.



E. F. Hodgson Co. Visit our showrooms { Room 332, 116 Washington St., Boston, Mass. / Craftsman Bldg., 6 East 39th St., New York } Address all correspondence to Boston

BIRD NEPONSET PRODUCTS

There's a NEPONSET Roofing for Every Building



HERE'S one thing about roofings you ought to know—a "slowly made" roofing is the only kind that is slow to wear out.

Every foot of NEPONSET Roofing is made, not on the how fast but on the "*how-good-can-it-be-made*" principle. This takes time. But it's the only way to *surely* make a roofing absolutely reliable and 100% weather and waterproof. You buy roofing for an investment. But a half-made, "hurry-up" roofing is the worst kind of an investment. You pay almost as much. What do you get? A quick-spoiling roof—a roof that's only half a roof—a roof that is a constant nuisance and source of expense. NEPONSET Roofing is slowly made—to give a service of years—not merely to sell.

Sold by dealers everywhere. Write for name of nearest dealer.

Surely Send for Roof Book—FREE

NEPONSET PAROID ROOFING

Other Neponset Roofings are—Neponset Shingles for residences; Neponset Proslate, the colored roofing.

BIRD & SON (Established 1795), 547 Neponset St., East Walpole, Mass.

New York Chicago Washington San Francisco Canadian Office and Plant: Hamilton, Ont.

Also makers of Neponset Wall Board, used in place of laths and plaster, and Neponset Waterproof Building Paper

Current News of the Poultry World

by J. F. Shureman

If a bill to be introduced by Senator T. H. Hollister, of Freeport, at the next session of the Illinois State Legislature becomes a law the poultrymen of this state will receive substantial aid from the state funds. The bill, which is copied after a Wisconsin act, provides that the state appropriate $10,000 to aid the poultry associations over the state, each association which has held at least one exhibit to receive an amount equal to 80 per cent of the entry fees from the state, no donation to exceed $250 for any association in one year. Illinois poultrymen should urge their representatives in the State Legislature to vote for the bill.

During the past season there was shipped from Brenham, Tex., to the large markets of the North and East 18 cars of dressed turkeys, the aggregate value of which was $63,000. There were also shipped 38 cars of eggs, valued at $80,000. The turkey and egg industry is growing larger each year in Texas.

A St. Louis country branch of the Missouri State Poultry Association was organized at Clayton in March. Dr. L. D. La Gear, of Kirkwood, was elected president; Dr. T. T. Lucas, of Pattonville, vice president, and A. T. Tidwell, of Webster Grove, secretary. Later a vice president will be chosen from each of the five townships in the country. The object of the association is to promote the poultry industry in St. Louis county in every possible way and especially to co-operate with the state association and the experiment station at Mountain Grove. A St. Louis city branch of the state association has also been organized, with James J. Long, president; Henry Steinmesch, vice president, and Joe Blasse, secretary.

A gold nugget weighing 14 grains was found in the crop of a chicken recently killed on the farm of Mrs. Emerson Dean, near Savanna, Ill. The nugget, which is larger than a navy bean, was given the acid test by a Savanna jeweler and proved to be pure gold. Where the chicken secured the bit of precious metal is a mystery.

A sample of the pluck of the American poultry woman was shown when Mrs. Haynes Shoup, of Idaho, shipped a pen of White Wyandottes to the international egg-laying contest at Storrs, Conn. They traveled eight miles by muleback, twenty-eight by stage, and the rest of the way by rail, and, notwithstanding their long journey, made a splendid record, holding the highest pen average for over twenty-four weeks in succession.

Following are the new officers of the Northwestern Branch of the American Poultry Association, elected recently by mail ballot: President, S. F. Crabbe, Fargo, N. D.; vice president, Henry Hess, Winona, Minn.; secretary-treasurer, Maude I. Matthews, Larimore, N. D.; executive committee, Arthur C. Smith, St. Anthony Park, Minn.; C. E. Brown, Crookston, Minn.; Chas. O. Johnson, Minneapolis, Minn.; N. E. Chapman, St. Anthony Park, Minn.; E. S. Person, Minot, N. D.; D. J. Lane, St. Anthony Park, Minn., and Gustav Walters, of North Dakota.

The state of Ohio now has 9,506 fanciers raising pure-bred poultry, and her last egg census showed an egg crop of 88,183,810 dozens per year.

A Cleveland (Ohio) fence company reports selling 25,000,000 rods of wire fencing to poultrymen. This is just a slight hint of the magnitude of the poultry business.

"Rooster Day," June 6, is a new holiday proposed for the state by T. E. Quiesenberry, director of the Missouri State Poultry Experiment Station at Mountain Grove, in a resolution presented to Governor Major on March 3. On this day, farmers and poultrymen throughout the state will be urged to kill, sell or separate the roosters from their flocks.

In spite of the wonderful growth of the poultry industry in this country, egg

$50 in Cash Prizes for 1914 Chick Growers. See Page 653



1st Cock St. Louis, Mo., Nov. 1913

BARGAIN PRICES

Ferris Leghorns

Now is the time to buy. May chicks make fine winter layers. Prices greatly reduced and prompt shipment guaranteed.

Ferris Leghorns have been trapnested for heavy egg production for many years. Will lay 160 eggs a year with ordinary care.

Splendid exhibition quality also—their record of **35 First Prizes and 41 Second Prizes** in one season has never been equalled. Winners for years at such shows as St. Louis, Toledo, Pittsburgh, Chicago, Detroit, Louisville, Nashville, Topeka, Indianapolis, Terre Haute, Grand Rapids and the Iowa, Maryland, W. Michigan, W. Virginia, Kansas, Alabama, Georgia, Mississippi and Colorado State Fairs.

Eggs and Chicks that will give you the benefit of our thirteen years' effort to increase egg production and improve exhibition quality. Prompt shipment whether you want a setting or a thousand.

Eggs from heavy laying stock; May, $1.65 per setting, $8.00 per 100; June, $1.35 per setting, $6.00 per 100. From exhibition stock; May, $3.30 per setting, $16.00 per 100; June, $2.70 per setting, $12.00 per 100. Chicks from heavy laying stock, May, 25 for $6.00, 100 for $20.00; June, 25 for $5.00, 100 for $16.00. Safe arrival guaranteed. Prompt shipment—we hatch 5000 per week—ship them everywhere. See catalog for particulars.

Breeding and exhibition stock of finest quality shipped C. O. D. and on approval. Hundreds of cocks, hens, cockerels and pullets with laying qualities bred in the bone. Fine shape—low tails, backs that are long and concave, full breasts, good heads, pure white plumage, yellow shanks. Write and let us describe them fully and quote prices.

Sold under a liberal guarantee of satisfaction or your money back. All stock insured for 30 days—replaced free if anything happens to them.

Ferris Leghorns are being bred on many of the leading egg farms and your success will be assured if you breed this heavy winter laying strain.

Send for our new catalogue and see what hundreds of our customers say about laying and exhibition qualities. Gives the complete story of how we established and improved this strain so that they win wherever shown and out-lay any other breed or strain. Fully describes all grades of stock, eggs and chicks and will enable you to get started right at small cost. Just mail a postal today—the catalog is free.

George B. Ferris, THE FERRIS LEGHORN FARM, 905 Union Avenue, Grand Rapids, Mich.

importation are increasing. The Department of commerce in a statement just issued reports that imports of eggs in the month of December last amounted to 1,514,296 dozens, or more than in the entire fiscal year which ended with June, 1913. In the fiscal year 1903 the imports amounted to 368,000 dozens; in 1910, 818,000; in 1913, 1,367,000 dozens. In the first three months under the new tariff law, October, November and December, last, during which period eggs were admitted free of duty, the imports aggregated 1,701,153 dozens, most of them arriving in the month of December.

Ernest Groves, formerly with the J. W. Parks Poultry Farm, and for some time employed by Oscar S. Miles, the Ohio poultryman, has accepted the position of manager of the Adelphia Poultry Yards at Altoona, Pa., owned by Dr. T. A. C. Kephart, of Altoona.

Poultry and egg producers of Salt Lake county, Utah, to the number of 100, have formed an organization to be known as the Murray Egg & Poultry Co-operative Association, the purpose of which is to do away with the middlemen and sell direct to the consumer. An office and sales department will be established in Salt Lake City. Each member of the association will be required to stamp his eggs as a guarantee that they are fresh. Leroy Turpin, of West Jordan, is president of the association.

H. W. Rickey, of the Bureau of Animal Husbandry, United States Department of Agriculture, has been secured to co-operate with the Kentucky Agricultural Experiment Station in poultry work. He will work directly with farmers and farmer boys and girls in the developing of individual poultry interests, rather than with commercial poultrymen, and will give lectures and do poultry club work throughout the state.

The suit of the state of New Jersey against the Franco-American Poultry Company has been settled, the company paying the state $5,500 in full settlement. The poultry company was charged with shipping black and mallard ducks from their farm at Little Falls, N. J., to the farm at Goshen, N. Y. This is against the law and suits were instituted to recover penalties aggregating $80,000.

The old Idaho State Poultry Association has been discovered and a new association formed with a capital stock of $5,000, to be known as the Idaho Poultry and Pet Stock Association.

An enterprising American poultryman has had the nerve to establish a poultry farm on a large scale at Hanley's Hot Springs, Alaska. He has 2,000 White Leghorns and his houses are heated with hot water from the natural hot springs. Eggs bring a big price in Alaska and the venturesome poultryman is reaping a harvest.

A hen belonging to Edwin Smith, of Pawnee Rock, Kan., recently laid 31 eggs in 30 days, according to a trap-nest record.

A Rhode Island Red hen belonging to Mrs. Edward Pearson, of Plainfield, Ill., recently laid an egg measuring 12 inches in circumference the long way and eight inches the short way.

The poultrymen of Oklahoma has organized a state association and will hold a big show in Muskogee next winter.

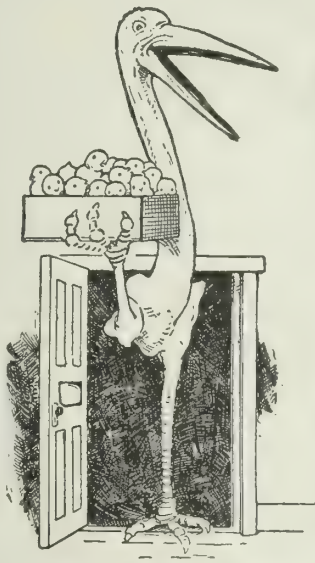
The Western Michigan Poultry Association has been incorporated with a capital stock of $2,000, divided into 200 shares of $10 each.

Special courses in poultry raising are being established in the high schools of California.

California poultrymen are vigorously protesting against the importation of Chinese eggs, large quantities of which are being received on the Pacific coast since the removal of the duty. The city of Petaluma has sent City Attorney Gil P. Hall to Washington to protest against the entrance of Chinese eggs in this country as unfit for food, and Congressman Kent, of California, is in the fight with his sleeves rolled up, even though he is a free trader and voted to take the duty off eggs. The Department of Agriculture has already ruled that the importation of Chinese eggs cannot be prohibited as long as they are fresh.

Smith's White Leghorns

Three Firsts at Chicago! First Pen, First Pullet and First Hen—three firsts out of a possible five—at Chicago, January, 1914, defeating (among others) three of the most prominent breeders in the Central States, proves the quality of my strain. Winners at Chicago, St. Louis and Indianapolis. Catalog free—send for it *today!* **Eugene C. Smith, 317 Galena Blvd., Aurora, Ill.**



Well Bred—Farm Raised—Well Hatched

CHICKS

THAT GROW THAT MAKE YOU MONEY

FULL COUNT — PRICES REASONABLE

You take no chances; we mate them right; we hatch them right; we guarantee safe arrival.

23 Years' Experience in Operating Incubators

If you want quality, vigor and efficient service, write today for free catalog.

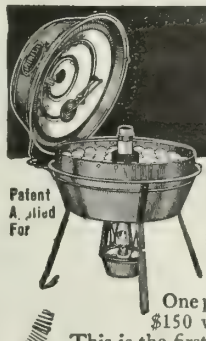
EXHIBITION MATINGS, BRED-TO-LAY STANDARD MATINGS AND UTILITY MATINGS.

S. C. BROWN, WHITE AND BUFF LEGHORNS, BARRED AND WHITE PLYMOUTH ROCKS, BUFF AND WHITE ORPINGTONS. SINGLE AND ROSE COMB RHODE ISLAND REDS

TRY ONE OF OUR 50-CHICK FIRELESS BROODERS $2.00

TIFFIN POULTRY FARMS & HATCHERY

DEPT. A TIFFIN, OHIO



Patent Applied For

NEW—NEW—NEW—

SHEER'S Latest Production

FRIEND Poultryman, this incubator gives results. No other incubator you have ever seen has the design and features of this. No other incubator you have ever used has given the high percentage hatches day in and day out this is giving. **Its marvelous price is just $6, delivered to you.**

More than 11,000 ordered before one line of advertising appeared. One poultryman, after test, ordered 50. One man, inexperienced, cleared $150 with one little hatcher in 5 months. **Results**—that's the answer. This is the first practical **all metal**, fireproof, everlasting machine ever produced. The **first** machine of its size with a perfect heating and heat distributing system.

Peerless-60

Round Like a Nest. Eggs heated **from above** with the patented triple wall heat radiator. All heat is used. Regulation of heat, ventilation and moisture is all automatic. Equipped throughout with the famous Sheer fixtures. Wonderful Sheer Wafer Thermostat Regulator **automatically** turns lamp flame up and down to meet temperature in egg chamber. Overheating impossible. Uses less oil than any other incubator on earth per dozen eggs. I am ready to prove these facts.

$6 DELIVERED

Satisfaction Guaranteed or Money Back

Let me send you one of these machines so you can prove this, upon my absolute guarantee of results or your money back. This is a fair, square offer. It means money in your pocket. Write me today.

H. M. SHEER, 104 Hampshire St., Quincy, Illinois

World's Largest Manufacturers of Incubator Supplies, Regulators, Lamps, Tanks, Heaters, for all makes of Incubators

"The American School of Poultry Husbandry."

We have just received the prospectus of a new correspondence school, "The American School of Poultry Husbandry," of Mountain Grove, Mo. Prof. T. E. Quisenberry, director of the Missouri State Poultry Experiment Station, is president of this enterprise, and Ralph Searle is the secretary-treasurer. The sole business of this new school is to teach poultry husbandry by correspondence.

The prospectus states that "America's premier poultryman," Prof. T. E. Quisenberry, who is "America's foremost poultry authority" than whom "no other living poultryman has received such universal and unsolicited praise," will be assisted by "a staff of poultry specialists of national repute." The prospectus further states that "the course here offered gives you in twenty-four lessons all that you could get in a four years' college course—AND MORE."

The cost of the course, cash in advance, including diploma and a copy of the Standard, is to be $50. On the installment plan the entire course, with diploma and Standard, may be taken on payment of $10 at time of enrollment and $5 per month for ten months, or a total of $60.

Prof. Quisenberry, as director of the Missouri Station, has done some good work with poultry and chiefly in connection with the laying contests, which have attracted world-wide attention. If anyone can make a go of another correspondence course in poultry husbandry, he should be able to do it. We wish him all success. We understand that any student completing this course of twenty-four lessons must be "entirely satisfied" or his "money will be promptly and cheerfully refunded." The prospectus further states that: "You can complete the course in one year, or perhaps less, if you can spend half an hour daily studying. However, you are given FOUR years in which to complete the course, if necessary. When the last examination is satisfactorily passed a diploma is issued. This course, accompanied by practical work at home, will COMPLETELY equip you for a variety of positions in case you do not care to go into the business for yourself. You will be equipped for positions on large poultry plants, teaching, lecturing at farm institutes, poultry journalism and other branches of the business. The demand for trained workers in every branch of the industry is far greater than the supply."

Please note that all this is to be attained through "twenty-four profusely illustrated and carefully worded lessons," supplemented with personal letters and advice from Prof. Quisenberry. We haven't a doubt that one who subscribes to this correspondence school course will get all that he pays for and that Prof. Quisenberry will endeavor to give him his money's worth. But, we believe if we were a young man starting out to get practical knowledge of poultry husbandry, we would spend our money to get a job working for our board on some successful, practical poultry plant. Nevertheless, this school will doubtless get a great many recruits. We quote further from the prospectus:

"The modern poultry show is the heart and life blood of the pure bred poultry business. To 'win the blue' in hot competition is to turn the eyes of the poultry world in your direction—the harbinger of an increasing trade at lucrative prices. To win and win honestly is both a science and an art—a science and art which Prof. Quisenberry is a past master. In this lesson he lays bare the secrets of successful show men, gives you plain directions for getting your birds up to standard weight rapidly, for training, washing and fitting them, for shipping them safely in cold weather, for their care at the show, together with numerous other little 'tricks of the trade.'"

If the professor can make good with all that statement promises, we expect that he will have veteran fanciers of twenty to forty years' show-room experience flocking to his courses. It is a whole lot to teach in one lesson, or in the whole twenty-four. If you think we are in error about this, listen to the conversation of the veterans at the next A. P. A. convention.



Quality Bred-To-Lay Single Comb

White Leghorns Exclusively

CHICKS—Big, healthy, vigorous fellows, the kind that live and grow, at $2.50 for 25, $10 per 100, $95 per 1,000.

EGGS—$1 per 15, $5 per 100, $45 per 1,000. (All chicks and eggs are from mature hens only). Get our catalogue before ordering elsewhere. It is free if you mention this paper.

The Elliott Poultry and Fruit Farm, R. 7, Mansfield, Ohio



Unretouched Photo First Prize White Orpington Pullet Chicago, 1913.

Harnly's Quality White Orpingtons

At Last! From my own matings I have won the highest honors to be accorded in America. My First Prize Chicago Pullet, my First Prize and Second Prize Cockerel and First Prize Hen at the Great Wisconsin State Fair, likewise all of my this season's winners and many First Prize winners in the hands of customers, were **bred from my own matings.** Send for mating list giving winnings at Waukegan, Racine, Milwaukee, Springfield, Indianapolis and Wisconsin and Illinois State Fairs. Eggs from 20 high-class matings: $2 to $15 for 15 eggs. Fertility guaranteed. First class breeders and Quality Baby Chicks for sale.

MRS. JOHN H. HARNLY

2301 NORTH ELISHA AVE. ZION CITY, ILLINOIS



Old Honesty Hatchery

OUR ELEVENTH SEASON—Day-old chicks for sale. Sixteen leading market and egg laying varieties, also strictly utility and show birds. Catalogue free. Prompt replies. Prompt shipment. Mention American Poultry Journal when writing.

G. H. Kichline, Prop., Dept. A, New Washington, O.

MONMOUTH FARMS

S. C. White and Buff Leghorns

Eggs for Hatching Our 1914 matings of Monmouth Prize winners are producing eggs from which some wonderful leghorns will be hatched. Place your order now for one or more settings. Orders for eggs from our "20th Century Dual Purpose" matings accepted for 100 and 1000 lots. 85 per cent fertility guaranteed.

Baby Chicks We ship lively and hardy day-old chicks any reasonable distance. Orders for delivery from February 1st to July 1st. See our mating list.

Breeding Stock — Prize Winners Choice Leghorn Breeders and Exhibition birds for sale. Look up Monmouth Farms' Show record.

Write for Free Catalog New catalog gives full description of winnings, matings, etc. Contains a beautiful color-plate insert. Write today for a copy—free.

"The Twentieth Century Dual Purpose Fowl"

Monmouth Farms J. C. Punderford, Owner Thos. Lockwood, Supt. **Box 23, Freneau, Mon. Co., N.J.**



Second Cock, First Cockerel and First Pen Cockerel Madison Square Garden, 1913

Barker's Langshans

WINNERS At the Greatest WESTERN SHOW At the Greatest EASTERN SHOW

This year, Dec. 1913, at Chicago Coliseum, WON ALL FIRST PRIZES, three Seconds and three Thirds.

Last year, 1912-13, at Madison Square Garden, New York, WON THREE FIRST PRIZES and two Seconds.

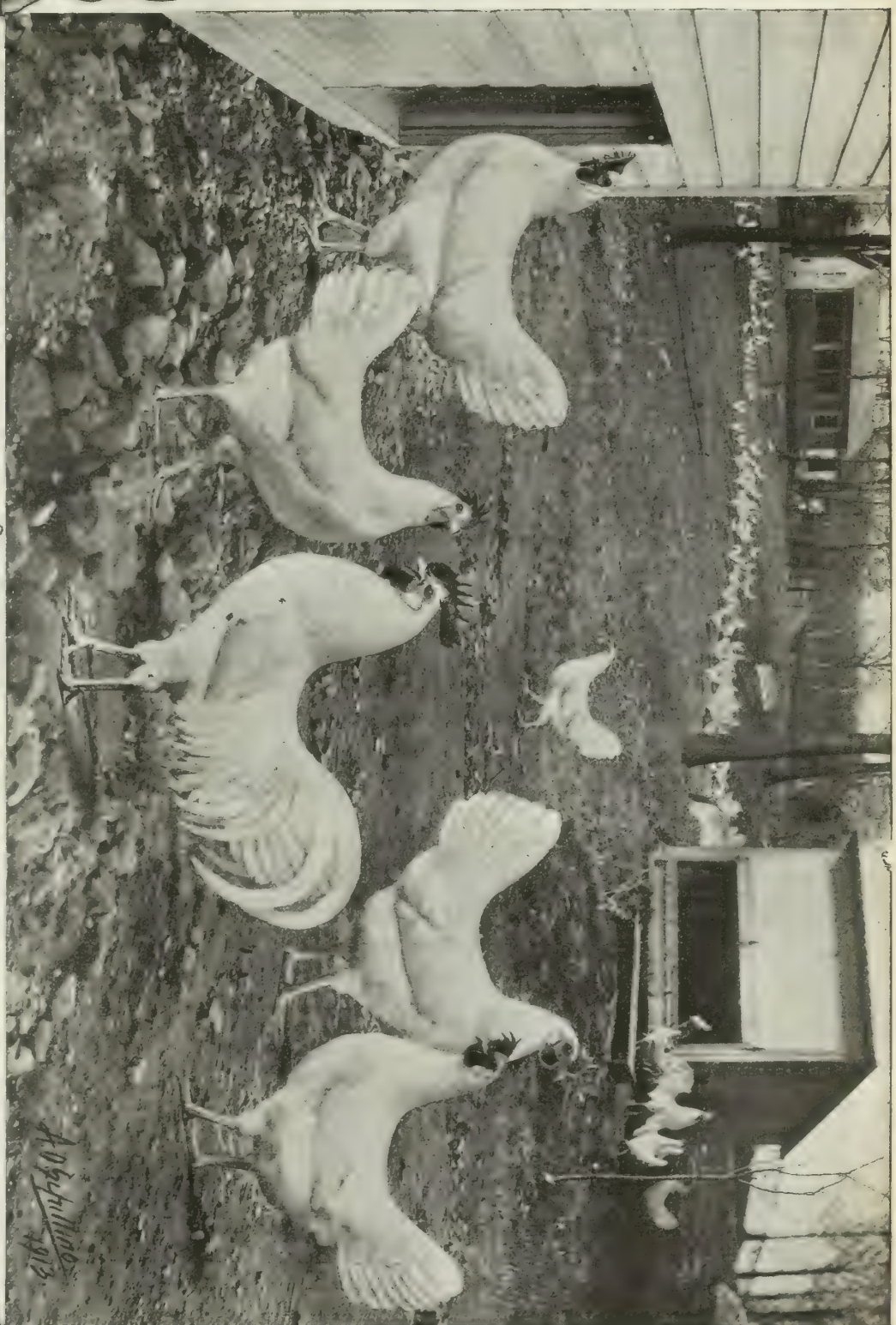
No Langshan Record Has Ever Been Made That Will Compare With This!

Satisfaction guaranteed, always.

EGGS From the Finest Matings $10.00 PER SETTING. **EGGS**

New mating list and new catalog free.

M. S. Barker, R.F.D. 1, Thorntown, Indiana



FIRST PRIZE PEN S.C.WHITE LEGHORNS AT MADISON SQUARE GARDEN N.Y. 1912-13.
Bred And Owned By SKYLAND FARMS
STERLINGTON N.Y.

Eggs that Hatch

are what we are in position to furnish our customers. Our breeding yards this season are by far the best we have ever mated. Unlimited range is what has made



U. R. FISHEL'S White Plymouth Rocks

"Beautiful and Profitable"

and what has made it possible for us to give our customers that vigor, vitality and blood lines no other White Plymouth Rock Breeder can give you. We have devoted twenty years to the production of

Breeders That Produce

and never were we in as good position to give you good value for your money as we are at this time. Start right by buying White Plymouth Rocks that are bred right. Utility Fowls (in any number) that will give you better results than any fowl.



Our Winnings at 23 Largest Shows and 5 International Expositions

together with our recent great Winnings at Cincinnati, Ohio, December, 1913, is proof positive we are headquarters for White Plymouth Rocks. Send 25c for 64-page catalog.

Eggs, $10 per 15; Sale Stock Eggs, $10 per 100. Baby Chicks from Sale Stock Eggs, $25 per 100, $15 per 50, $8 per 25.

U. R. FISHEL Box A Hope, Indiana

CONSULAR REPORT ON POULTRY BREEDING IN SILESIA.

THE animal census of December 2, 1912, showed 82,474,317 fowls in the German Empire (against 77,103,045 in 1907). Of these, 4,834,334 were in the province of Silesia. Most of the other Prussian provinces had more, Hanover leading with over six million.

The General Association of Silesian Poultry Breeders includes 67 societies with a total of 5,000 members. The organ of the societies in this province and in Posen is the East German Poultry and Rabbit Journal (Ostdeutsche Geflugel und Kaninchen Zeitung), published every Saturday at Reichenbach, Silesia; quarterly subscription price 75 pfennings (17.8 cents), or 50 pfennings (11.9 cents) for the poultry edition alone. The association co-operated with the Chamber of Agriculture in the establishment of 42 provincial stations for poultry breeding, of which 9 were supplied with Peking ducks, 7 with Emden geese, and 26 with chickens (9 with White Wyandottes, 12 with Plymouth Rocks, 3 with Yellow Orpingtons and 2 with White Orpingtons).

The poultry breeding stations now consider only White Wyandottes, Pekin ducks, and Silesian country geese, the production experiment stations only White Wyandottes. Eligible for premiums at shows are only Buff Italians, Black Minorcas, White Wyandottes, Barred Plymouth Rocks, Orpingtons, Pekin ducks, Rouen ducks, White Native geese, Emden and Pomeranian geese, Bronze and Snow turkeys, and also (at the desire of the minister of agriculture) various doves or pigeons. Practical American poultry breeding is still considered worthy of emulation by German breeders.

Various selling leagues formed in Silesia for the better marketing of eggs and poultry did not last long, only one, a fresh egg society (Trinkeier-Vereinigung Rubezahl), headed by Mrs. Preusse at Harischdorf im Riesengebirge, has met with some measure of success and has been assisted by the chamber.

A number of important farms use incubators, and it is believed that there is likely to be an increasing market for American incubators, if properly pushed, as they can compete in price. Incubators of 100 egg capacity cost $14.28, while a 300 egg machine sells for $38.08. Giant incubators for 1,200 hen eggs or 900 duck eggs are sold at 870 marks ($207.06), or for 990 marks ($235.62), with a warm brooder under the machine. Electric incubators are on the market, the best at the following prices (complete without stand or table):

130-150 eggs.....205 marks ($48.79)
200-250 eggs.....282 marks (67.12)

To place American supplies on the market a representative should be secured who has good connections with the large and small farmers. The name of a dealer in poultry and similar supplies, who believes there is an outlook for American articles and wishes to hear from producers as to prices and terms may be obtained from the Bureau of Foreign and Domestic Commerce. The list also embraces the addresses of poultry breeding associations and prize poultry judges in the district, in case it is desired to send catalogues direct. Descriptive matter wholly or partly in German will have much more effect, and it is always an advantage to quote prices (to German





"SUNLIGHT"
POULTRY FARM S·C·W·LEGHORNS

(D. W. YOUNG STRAIN)

Greatest Known Layers

Day-Old Chicks Hatching Eggs And Breeding Stock

Bred from Range Grown Birds

It's Not How Many You Buy, It's How Many You Raise That Spells Success

Sunlight Poultry Farm's chicks are livable chicks, as well as quality chicks, because they are bred from quality birds that have vitality, stamina and the best laying qualities bred into them. They are the chicks that will develop into robust cockerels and pullets, that will please you. Not a yarded breeder on the farm, but just a large flock of breeders, out on unlimited range, housed in open front houses. Is it any wonder that I get such good fertility in my eggs and such strong, healthy chicks?

Read What One Party Says About My Stock and Plant:

Mr. E. N. Lemon, Lynchburg, O.

Dear Sir:—After returning home from a two weeks' tour of poultry farms in Southwestern Ohio and retracing my steps and looking over my notes, I have quite a few words of praise for your plant, of which you are no doubt justly proud.

I believe with your mammoth Candee Incubator (5400 egg capacity), and considering your plans and methods of handling eggs during incubation, you show that you are absolutely up-to-date and in a position to do a big "Day Old Chick" business.

Your plant looks good to me, being the best looking and the most convenient colony house system I saw anywhere on my trip.

Your stock, too, looked especially good, there being no droopy birds in evidence; this perhaps is due to the extreme cleanliness of your plant from start to finish.

Very truly yours,
Leslie J. Hoyt, Mt. Gilead, Ohio.

I Prepay Expressage

on all orders for day old chicks and eggs. Also guarantee safe delivery. Would suggest that you place your order at the earliest possible date to insure prompt delivery when wanted. If you want the best in S. C. White Leghorns, write to Sunlight Poultry Farm. They are persistent layers, hence money makers, the year around. Best of references. Send for catalogue and prices. "The Most of the Best for the Least."

SUNLIGHT POULTRY FARM E. N. Lemon, Owner **LYNCHBURG, OHIO**

ports), weights, measures and temperatures in German equivalents.

Herman L. Spahr,
American Consul.

American Consulate, Breslau, Germany, January 20, 1914.

List for Poultry and Poultry Supplies.

DEALERS.

David A., Alte Taschenstrasse 3, Breslau I.

POULTRY ASSOCIATIONS.

Generalverein Schlesicher Gefluegelzuechter, care of Rittergutshesitzer v. Wallenberg-Pachaly, Schmolz.

Verein fuer Vogelkunde und Gefluegelzucht, Neue Gasse 25, Breslau.

Schlesischer Gauernverein, Tauentzienstrasse 75, Breslau.

Provinzialverband der Gefleugel und Kaninchenzuechter und Vogelschutzverein Posen, Posen.

CONSULAR REPORT ON RUSSIAN POULTRY RAISING.

DURING the year 1913 there were no serious losses from fowl diseases in Russia, such as caused grave losses during the previous year. Such fatalities as did happen occurred principally among birds, hens and turkeys, and were principally due to much cold rain during hatching periods. Water fowl were much less affected. Losses of appreciable amount were reported from the provinces of Podolia, Volhynia, Vilna and Minsk. Among geese and ducks broods were not particularly large. As a result, prices, especially in the provinces of Lithuania, ruled high. Geese brought from 62 cents in Kharkof to $1.55 in Lithuania and Poland. Hens ranged from 20 cents in Kharkof to 77 cents in the above places. Ducks were 25 cents in Kharkof and 77 cents in Poland. Turkeys brought 77 cents in the former place and as high as $2.06 in the latter. There was a great variance in the price of eggs in different parts. At Kief they sold at $9.27 per thousand, while in Poland the price averaged at $10.91. While the above were ordinary market prices, good quality, well fattened birds brought much higher prices. Progress in scientific poultry raising is to be found on the Volga and also in the provinces of Kief and Poltava. Efforts are being made to raise larger and better poultry and to effect this eggs from abroad are being imported. Producers are also endeavoring to form a combine with the object of supplying the consuming market direct and thus avoiding useless middlemen. This, however, may be found a difficult proposition in an industry like poultry growing.

John N. Grout,
Consul.

Odessa, Russia, January 24, 1914.

(Please note that producers in Russia would like to eliminate the middleman. It is the hoggish methods of the middleman, who wants all the profits at expense of both producer and consumer, that has brought him into disrepute.—Ed. A. P. J.)

MONUMENTS of bronze are better than granite or marble in enduring qualities, beauty of design and ornamentation. Yet they cost less. We deliver anywhere. Write for free Booklet. Give approximate idea of size or price and we will send selected designs.



Reliable Representatives wanted
THE MONUMENTAL BRONZE CO.
435 Howard Ave., Bridgeport, Conn.

You Can Earn a Good Living Raising Poultry



Cut down living expenses—raise poultry for your own use and for sale to neighbors. Thousands make money this way with

SUCCESSFUL INCUBATORS
SUCCESSFUL BROODERS
Life Producers—Life Preservers

$6.75 and up

Why don't you do the same? Learn how easy it is to start. Booklet "How to Raise 48 out of 50 Chicks"—10c. Catalogue FREE. Write today. Address
Des Moines Incubator Co., 1 Second St., Des Moines, Ia.

YOU CAN'T EXPECT
to be successful and make money with your poultry, unless you eliminate the deadly poultry disease.

Sixeas Guaranteed Remedies
cure and prevent all diseases to which poultry is subject.

For Cholera, White Diarrhoea or Blackhead, there is nothing to equal the famous Sixeas Cholera Cure, price 50 cents.

Sixeas Roup Remedy is the one guaranteed to cure Roup, Canker and Colds, price 50 cents.

Sixeas Mustardized Egg Powders make healthy fowls, the kind that lay large fertile eggs, price 25c.

Special prices in quantities.

Dealers and Agents Wanted.

Order direct from this ad, if not satisfied money will be refunded.

GEORGE SIXEAS, Box 45, New Castle, Virginia

U. R. FISHEL'S AD in this issue will interest you. Read it.

THORNILEY'S ANCONAS Specialty Breeder of The Best Single Comb in America.
SHOW STOCK, CHICK EGGS AND LINE-BRED WINTER LAYERS FOR SALE REASONABLE. CIRCULAR FREE.
WILLARD J. THORNILEY R. D. No. 1 Box 36 MARIETTA, OHIO

BUFF ORPINGTONS **THE ELMWOOD STRAIN** WHITE ORPINGTONS

THE STRAIN OF LEAST RESISTANCE

Nineteen years a breeder, and I doubt that there is another breeder of these varieties that has more prize-winners in his breeding pens that I have. Every female is a listed breeder or a pullet of the highest quality, many of which is a prize-winner. Every male is a prize-winner sired by a prize-winner, bred from some of the most noted winners of the breed. Line-bred for generations, and my many years' experience in mating and selection places the Elmwood Strain bellwethers of the breed. **My Buffs** are an even, lustrous shade of buff, as soft as moonlight, full of vitality and vigor. **My Whites** are as near pure white, stay-white as it has been possible to get them so far. Strong, blocky and chock full of vim. The very best of winter layers. Every satisfied customer I get makes another boost for the Elmwood Strain, and I guarantee to satisfy or send you back your money. My many years' experience costs you nothing. You pay no more than I would be willing to pay. **Eggs** shipped safely any distance; **50 cts. each, $35.00 a hundred. Baby Chicks** of the same high quality, **$1.00 each.**

THE ELMWOOD FARMS J. D. KEYWORTH, Prop. HUDSON FALLS, NEW YORK

FOXHURST FARM BLACK ORPINGTONS

THE UNDISPUTED CHAMPIONS OF THE WORLD

Again Sweep the Imperial Madison Square Garden, New York, Show, Dec. 26 to 31, 1913

		WINNING			
Cocks	Hens	Cockerels	Pullets	Pens	Prizes
1st	1st	1st	1st	2nd	$25.00 in Gold for the BEST display, three Silver Cups and numerous Specials.
2nd	2nd	3rd	2nd		
4th	3rd	4th	3rd		
		5th	4th		
			5th		

The competition was stronger than ever before and included teams of England's most noted winners, as well as Canada's and America's best.

REMEMBER OUR WINNERS OF LAST YEAR, DEC. 31st, 1912, TO JAN. 4th, 1913

Cocks	Hens	Cockerels	Pullets	Pens	Prizes
1st	1st	1st	1st	1st	$25.00 in Gold for the best display.
3rd	5th	3rd	2nd	4th	
		4th	3rd		
		5th	5th		

No such records have ever before been made in the history of the New York Show. From the matings of these Champions we GUARANTEE TEN live chicks TO EVERY SETTING OF 13 EGGS, another Record Offer. Prices:

$5, $10, $15 AND $20 PER SETTING

New illustrated catalogue now ready telling why, for SEVEN YEARS we have been the largest winners at the World's Greatest Show. Big, wonderful breeding Cockerels, Trios and pens of this Champion Strain for sale, mated for utility and exhibition, also Show birds guaranteed to win



FOXHURST FARM : LIME ROCK, CONNECTICUT, U. S. A.



Black Spanish Male Changes Color.

Q. What would cause a W. F. Black Spanish male to change color at first molt? This bird was as black as could be as a cockerel, and now he is more than half white. Hackle is all white, In other parts the feathers are about half black and half white. He is in good health and always has been. He is now two years old. J. R. G.
Elwood, Ind.

A. We don't know the cause. Numerous cases have been reported where Black Spanish and Black Minorcas have turned white in course of several molts. The young chicks usually carry more or less white in plumage. All black birds now and then sport white. It has been charged to atavism, but no one has any positive knowledge as to the cause.

Wants Information on White Diarrhoea.

Q. Most of our best-known state investigators now agree that white diarrhoea is caused by bacterium pollorum, found in the ovaries of the hen. In other words, the germ is in the egg and not on the shell. Have you published your views on this subject? A. L. V.
Nutley, N. J.

A. In the book, "How to Raise Chicks" (obtainable of A. P. J. Chicago office at 75 cents the copy), an entire chapter of 17 pages is given to "Facts about White Diarrhoea."

We agree with Dr. Rettger and Prof. Stoneburn that in the disease reported by them as "bacillary white diarrhoea" that the b. pullorum found in the diseased ovaries of the mother hen is the specific causative agent. These investigators did not find and did not credit the presence of infectious germs on the outside of the eggshell.

It is evident from the experience of practical poultrymen in various parts of the country that all cases of so-called white diarrhoea are not the same as the bacillary white diarrhoea investigated at Connecticut station. There have been abundant cases of fatal diarrhoea in chicks, which were at the time named white diarrhoea and had similar symptoms to infection with b. pullorum, where other investigators found micro-organisms other than b. pullorum, which were believed to be the causative agents. By reading the book above mentioned this point should be made clear.

In numerous instances the source of infection was found to be on the outside of the eggshell, and disinfection of eggs prior to incubation put an end to the epidemic of fatal diarrhoea of baby chicks on a large number of practical plants. Obviously such cases could not have been caused by b. pullorum, which is found in the egg, according to Rettger, and not on the shell. With the multitude of infectious diseases causing fatal diarrhoeas of the young, it is not to be expected that all are caused by the same specific germ. There are undoubtedly a number of micro-organisms

French's Poultry Mustard

Not a Table Condiment, But Made From the Choicest Imported Mustard Seeds. For Use With Poultry, and Prepared to Produce the Most Excellent Results. The Original Poultry Mustard in America! Don't Accept Counterfeits!

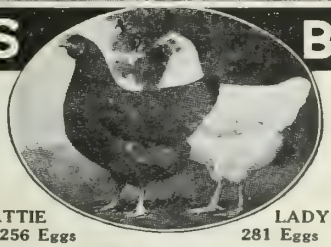
Recommended by Poultrymen. Used by the largest fanciers in the United States. See testimonials from such noted breeders as Haldie Nicholson, Edward Corning of Bound Brook, N. J., E. B. Thompson, the President of the American Poultry Association, and the largest poultry and egg producers in the United States.

32-page booklet of Ralph Allen's experiments in England, together with other articles upon the subject of Mustard for Poultry sent free. Write without stamp to **THE R. T. FRENCH COMPANY, Department A, Rochester, N. Y.**

TRAP-NESTED 200 EGG STRAIN

THE WORLD'S BEST LAYERS

TRAP-NESTED 200 EGG STRAIN




Lady Vera 235 Eggs


Lady May 219 Eggs


Lady Agnes 236 Eggs


Lady Beatrice 240 Eggs


Lady Grace 232 Eggs


Lady Rose 232 Eggs

STOCK EGGS

LADY HATTIE 256 Eggs

LADY SHOW YOU 281 Eggs

BABY CHICKS

WHITE ORPINGTONS BUFF

R. COMB REDS S. COMB

WHITE ROCKS BARRED

S. C. WHITE LEGHORNS
WHITE WYANDOTTES

Eggs and Baby Chicks from profitable layers is your only guarantee for SUCCESS in the poultry business. Isn't it a serious matter when eggs are selling for 35c to 50c a dozen and your hens are not laying? Ask the man who has failed. Also ask him if he would recommend the breeder he bought his stock from. I breed for eggs and can furnish you stock that will lay when eggs are high. THAT MEANS YOUR SUCCESS.

PRICES	Eggs	Baby Chicks
From stock with records of better than 200 eggs and their special matings .	30c each	50c each
Form stock with records of 144 to 199 eggs and their special matings . . .	20c each	35c each
From stock without records but from trapnested blood lines	10c each	20c each

Note:—There are no discounts on eggs or baby chicks in lots of less than 200. Can make prompt delivery of eggs and baby chicks. Write for sales list. My instructive catalog is free.

JOHN G. POORMAN, Box 100, TINLEY PARK, ILL., U. S. A.

which cause fatal diarrhoea in chicks, and many of these have been brought under the popular name of white diarrhoea.

Whatever the source of the disease, chicks reared in "white diarrhoea" flocks should not be bred. Breeding stock may be both a direct and indirect source of infection. Where white diarrhoea appears, it is a good plan to dispose of the breeding stock from which the eggs hatching infected chicks were obtained. Disinfect the premises thoroughly and make a fresh start with known-to-be-healthy, vigorous stock.

When bacillary white diarrhoea makes its appearance, you will always find in the flock producing the hatching eggs hens with diseased ovaries. The yolks in the egg cluster may look as if partly coagulated or withered and finger marked. Such hens will produce infected eggs that will hatch white diarrhoea chicks. Not all of the eggs laid by hens with infected ovaries produce infected chicks, but a large percentage do. The safest plan is to get rid of such birds and start with fresh stock known to be healthy.

In diarrhoea of young chicks caused by infection during incubation or immediately after hatching, from germs on the eggshells, simple disinfection of the eggs for hatching has proved effective in a great many cases in the United States and tropical countries. In such cases the eggs were dipped, just prior to being put into the incubator, into a solution of one gill of creolin in eight and one-half quarters of soft water. This method of disinfecting hatching eggs put an end to epidemics of so-called white diarrhoea on a great number of poultry plants. It is apparent that in these cases the germ causing the disease must have been on the outside of the egg, or the disinfectant would not have proved effective. Therefore, such cases were probably some other diarrhoeal disease and were not caused by b. pullorum, which is found inside the eggs.



In any case, if one breeds only from sound, healthy, vigorous breeding stock and makes it a point to know that the stock is free from infection, he will not have to worry about "white diarrhoea," whether from within or on the eggs.

Cockerel Draws Head Back and Shakes It.

Q. I have a cockerel that draws his head back a little and shakes it from one side to the other a good deal. Otherwise he seems well. What is the cause and how can I cure him? F. C. K.

La Porte, Ind.

A. You can't cure him. Sometimes trouble is due to nervous disorder and sometimes because of large and heavy comb and wattles and sometimes is due to organic disease. We have noted many cases but have never seen one that was permanently cured. Unless the head shaking interferes with his usefulness would forget it. If it affects

Large Eggs!
How? Why, feed your hens right! Free book **The Golden Egg**, tells how. Write today.
HUMPHREY, White St. Factory, JOLIET, ILL.

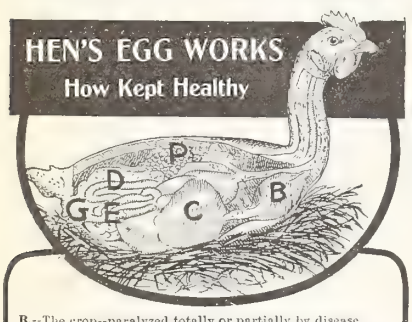

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Mites cannot breed or harbor where it is used. One application each year does the work. Write for special trial price.
M. E. DIRK
Box 102 North Baltimore, Ohio

THE BEST
White Holland Turkeys
We can supply you with Winners and selected Breeders. Headquarters for WORLD'S BEST.
CRESWELL & GRAY, R. No. 8, Fairland, Ind.



Don't
Let your Chickens belong to the "I Didn't" class.
USE—
Mundee's Lightning Roup Remedy
The remedy that hits the spot and cures the bird. Used by the world's best breeders. Two sizes, 50c and $1.00 a bottle. Write for folder.
W. J. MUNDEE, - Libertyville, Ill.

HEN'S EGG WORKS
How Kept Healthy



B.--The crop--paralyzed totally or partially by disease.
C.--Gizzard--can't get food from a paralyzed crop to grind.
D. E.--The intestines--the seat of disease.
G.--Rectum--inject "OCULUM" here, and kill the germ. Nature heals.
P.--Ovaries--a nest of eggs "OCULUM" will make pure.

The axe a "has been." Inject "OCULUM" and Cholera, Roup, White Diarrhoea, Blackhead and Leg weakness will get out and stay out.

"OCULUM has performed miracles for us." —Foxhurst Farm.
"I would not think of doing without OCULUM if it cost five times what it does."—U. R. Fishel.
"You surely should have a large sale for "OCULUM" when its qualities become known." —A. C. Hawkins.
"Never found its equal."—Oscar E. Miles.
"Works like magic."—Trexler Poultry Farm.
"It's a pleasure to commend OCULUM." —C. H. Latham.

Dealers 50c and $1. If still skeptical, dime [postage] brings either size, send balance, if O. K. Literature free. Agents wanted.
Used in feed or water, a wonderful preventive and tonic.
H. I. CO. Box B Salem, Va.

Does It Ever Occur To You
that the success of poultry raising depends entirely upon the MEAT SCRAPS you use?
Maurer's Quality Meat Scraps
are pure and sweet and carry the recommendation of the foremost breeders. A postal brings you a valuable booklet. Sold direct and in any quantity. Also sold by Parcel Post.
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Box A-112 Elizabeth, New Jersey

NUMBER 4



will keep the basket FILLED

How disgusted you were last year when your hens refused to lay from July on. Avoid this disappointment this year by keeping before your **hens** and your **chicks** all the time **Prescription No. 4** and **Vegetable Beef Scrap.** They are **health** keepers, **egg** makers and fertilizers, and **growth** rushers.
Prescription No. 4, 5 lbs. $1; 1 lb. 25c.
Vegetable Beef Scrap, 10 lbs. $1.
Big Sample 25c and your money back if not satisfied.

Save the Chicks

White Diarrhoea **cured** by **Prescription No. 3.** J. C. Fishel says "It does the work."

White Diarrhoea **prevented** by **Prescription No. 5.** G. Owen says, "The only thing worthy of the name."

White Diarrhoea **avoided** by feeding **Baked Biscuit Meal.** Supt. Teebs, The Coombs Poultry Farm, says, "Of 100 chicks hatched in Feb. I lost only four." He feeds Baked Biscuit Meal from the first feed.



Big box either No. 3 or No. 5, 25c; both, 40c. 5 lbs. Baked Biscuit Meal and a box of either No. 3 or No. 5, 50c; all three, 65c, and your money back after using if not satisfied.

Insist on your **dealer keeping** all these and **save money.**

We can save you money on **Campines, Rocks, Reds, Leghorns,** and 16 other varieties. Stock and eggs. Also 10 per cent on **Incubators** and **Brooder Stoves.** Catalogs **free.**

THE NABOB REMEDY CO.
Box A **Gambier, Ohio**

him seriously, get rid of the bird by way of the family table.

Hatching Eggs in Higher Altitudes.

Editor American Poultry Journal: In January issue I noted the article, "Hatching Eggs in Higher Altitudes," and there is a good deal of truth in what the author says. I have lived in this valley twenty years now, altitude is 6,700 feet. Have hen-hatched all my chicks, 400 last season, and I do not see but what my hatches here are about the same as I had in Ohio. Frequently a hen comes off with a full brood. I have quit sprinkling or wetting the eggs. I just let the hen alone. Thus you see my experience is different from that of your correspondent. It is in my mind that there is something beyond moisture to look for. Perhaps the hen exudes some kind of animal gas, some you might say like carbon dioxide. Some of your readers might enlighten us.

Capitan, N. Mex. A. C. Austin.

Note.—We have received many letters regarding Mr. Mathews' article on "Hatching Eggs in the Higher Altitudes," some complimentary and praising the article as a great help to poultrymen hatching in high altitudes and others condemning it and ridiculing the author's statements. It is apparent that there is a very wide difference of opinion concerning hatching in high altitudes. It is probable that conditions in high altitudes vary greatly according to the particular location and the air drainage. Mr. Mathews impressed us as a man who had experimented carefully and knows what he is talking about. We will be glad to have reports of experience in both artificial and natural incubation in high altitudes. (Ed. A. P. J.)



"Wingold" Buff Orpington cockerel. First at International Show, Buffalo, N. Y., 1914. (Just as camera saw him.) Bred and owned by F. A. Poertner, Berea, O.

Hamburgs.

Q. Please tell me through A. P. J. if the American type of Hamburgs, all varieties, are like the English Hamburgs. Why is it that there are not as many people keeping Hamburgs as keep the heavier breeds? I like Hamburgs, independent of their not being heavy table poultry, and I like to hear about them. I have made a lot of inquiries in this city but can't find any poultry keepers here who know the breed; about all they seem to know are Rocks and Reds. Is this because

OWEN'S SILVER LACED WYANDOTTES

At the CLEVELAND Show, January 5-10, 1914, won 1st Cockerel, 1st and 3rd Pullet, 2nd and 3rd Hen and 1st Pen. Write for prices on Eggs. Satisfaction assured. : : R. D. OWEN, CRESTON, OHIO

PALACE NEW YORK SHOW WINNING

Barred Plymouth Rocks

In this great class of 213 quality birds I win First Prize Cockerel and Color Male Special. First Prize Pullet and Color Female Special, and Second Prize Exhibition Pen on four entries made. For color and clean cut barring these birds were the class of the exhibit.

STOCK FOR SALE—EGGS FOR HATCHING

Have mated my winners and others of this same line from which I win. Sell eggs at $5.00 per setting of 13, $15.00 for 50. Satisfaction assured.

J. D. HARCOMBE -:- Grand View-on-Hudson, N. Y.

URBAN FARMS

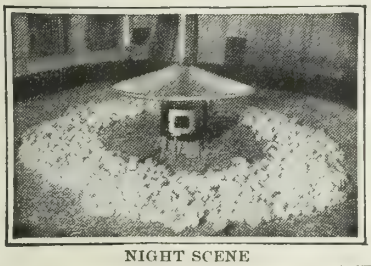
PINE RIDGE BUFFALO, N. Y.

PRIZE WINNING

Black Langshans
White Plymouth Rocks
Anconas
Houdans
Silver Campines
Mottled Javas
Black Tailed White Japanese Bantams
Mille Fleurs

MATING LIST FOR 1914 ON APPLICATION

PETALUMA BROODER STOVE



NIGHT SCENE

Saves 90 per cent of the labor, and raises more and stronger chicks

The Modern Way of Brooding

Fresh Air and Economy combined. No crowding; no chilling; no overheating. Makes Successful Brooding possible. Write for free catalogue of this wonderful Brooder Stove.

Petaluma Brooder Stove Works

Hayward; Cal., and Dayton, Ohio

WINNERS AT THE PRINCIPAL

Big Laying Competitions

We hold the record for the greatest number of eggs laid in one year by a pen of White Wyandottes at any International Egg Laying Competition ever held. Hens in our breeding pens with over 200 egg records certified under state supervision.

Our Mating List is Free, we will be pleased to send it.

BEULAH FARM

McLEOD BROS. Box A. Stoney Creek, Ontario

FELCH OFFERS

The product of his breeding pens of 1913 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts

Covert's Buff Orpingtons

Winners at Knoxville, Terre Haute and Indianapolis. 22 birds shown—18 winners at the above shows. Grand pens mated for eggs.

Baby Chicks from all matings shipped in good condition and full count guaranteed. Catalogue free to those interested in good Orpingtons. Write today.

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Peabody Farms: Crystal Hatcheries

Place orders now for Hatching Eggs and Baby Chicks from our White Feathered, Trap Nested, Heavy Laying Strains of Leghorns, Orpingtons, Rocks and Wyandottes. Ducks, Geese, Turkeys and Guineas. Mallard Ducks. Wild Geese. Pheasants. Breeders for sale.

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Baby Chicks and Ducklings

Catalogue and Price List Now Ready and Will Be Sent on Request

13 Leading Varieties of Chickens and Indian Runner Ducks. **2000 to 4000 "Better Quality"** Chicks and Ducklings hatched weekly. It will pay you to write us before ordering elsewhere and learn **why** our Chicks are **"Better Quality."**

The Osbun Poultry Farm and Hatchery Co. :: Mansfield, Ohio

S. C. WHITE LEGHORNS

Hatching eggs, $1.25 per 15; $6.00 per 100. March chicks $12.00 per 100. From well-bred, hardy flock, insuring strong fertility and healthy chicks. All breeders have high egg records. A reliable source for quality stock.

JOSEPH STENZ & SON, FOND DU LAC, WIS.

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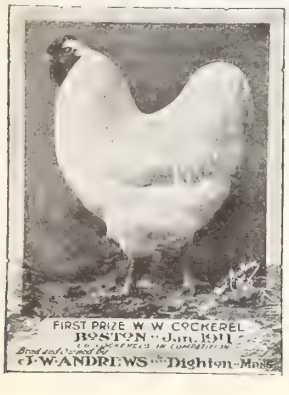
Largest Barred Plymouth Rocks

Winning Again This Year at GREAT COLISEUM SHOW, CHICAGO December, 1913, with 3 Entries: 2nd Pullet, 3rd Pullet Mating Pen

At ILLINOIS STATE SHOW, January, 1914, with an entry of 13 birds, 11 were winners; also Best Colored Female, Best Shape and Champion Pullet.

My birds are second to none in SIZE and COLOR OF BARRING. I have furnished 87 of the winning birds this winter at some of the LARGEST SHOWS IN THE UNITED STATES AND CANADA. For the season of 1914 I have some of the grandest matings I have ever had and can furnish you eggs in any quantity. Write for catalogue of the largest Barred Plymouth Rock farm in the Mid-West. EGGS FOR HATCHING—$3.00 per 15, $8.00 per 45, $15.00 per 100.

LUTHER J. HALL -:- KENNEY, ILLINOIS



J. W. Andrews'

America's Greatest Winning Strain of

White Wyandottes

Continuous Winners at Boston for Sixteen Years

Won First Pen 1906, '07, '09, '10, '11, 13
First Cockerel 1907, '10, '11, '12
Second Cockerel 1897, '98, 1910, '11, '12, '13

Eggs for Hatching

From 10 of the finest matings ever bred, that will produce next season's winners for you. Bred on true Wyandotte lines that can lay eggs and win prizes. Send for mating list.

J. W. Andrews, Box A, Dighton, Mass.

of the severe frosty weather we have here sometimes or are they prejudiced against the Hamburgs because they lay small eggs and are small birds?

Denver, Colo. L. H.

A. English bred Hamburgs are a coarser type and not as trim, neat and sprightly as the American type. They are fairly hardy and should do well in your climate. Hamburgs are excellent layers of white eggs. Popularity is something that is not easy to explain. Utility value is not always the key to public favor, though in the long run practical qualities sustain popularity. There are a large number of Hamburg breeders in America and some of the finest specimens bred in the several varieties of this breed are to be found in our shows. That the breed does not lack popularity is evidenced by the fact that our big shows always have large classes of Hamburgs of remarkably fine quality. If you like Hamburgs, and are not particular about a heavy variety and big eggs, breed them by all means. Anyone with true fancier instinct can get a lot of satisfaction out of Hamburgs and for a small variety



"Wingold" Buff Orpington cockerel. Second at Buffalo, N. Y., International Show, 1914. Bred and owned by F. A. Poertner, Berea, O.

their practical qualities are worth attention. The breed is one of the oldest among pure bred poultry.

Food Analyses—Score Cards.

Q. (1) Please give me the chemical analyses of the following foods: mangels, sugar beets, alfalfa meal, white clover hay, sweet corn, beef scraps, beef meal, and bone meal.

A. (1)

A-1 Foodstuff	Water	Ash	Pro tein	Fibre	Nitrogen free ex- tract	Fats
Sweet corn.....	8.8	1.9	11.6	2.8	66.8	8.1
Mangels	90.9	1.1	1.4	0.9	5.5	0.2
Sugar beets.....	86.5	0.9	1.8	0.9	9.8	0.1
Alfalfa meal....	8.4	7.4	14.3	25.0	42.7	2.2
White clover hay	9.7	8.3	15.7	24.1	39.3	2.9
*Beef scraps and beef meal	10.7	4.1	71.2	....	0.3	13.7

Bone meal is of use chiefly for its contained mineral elements, mostly lime.

*Commercial beef scraps and meat meals are about the same, except that the scrap is coarse ground and the meal is ground fine. Different brands vary widely in protein content, some running as low as 50 per cent.

Q. (2) In the catalog of a well-known breeder I find these statements: that breeders should make a bonfire of score cards, so they will not be tempted to place an inferior bird of high score in the breeding pen just on

account of the score. As long as a breeder uses the score card as his guide in mating his pens he will remain a back number. He also says that in many cases the score card keeps the best birds from winning.

What I would like to know is how can a high scoring bird be inferior? How can the score card keep the best bird from winning and how can it put a bird in the breeding pen that should not be there? J. F. L.

Hart, Mich.

A. (2) Those opposed to score cards are just as rabid in their opinions as those in favor of them. There will always be room for controversy here. The fault is both in the system and in the application of it. Scoring by card develops into a system of making cuts in certain sections and deducting these from a possible perfect score. Such a plan may easily be unfair to the specimen. Various forms of score cards have been devised and the Standard has scales of points for the various classes and all are subject to criticism as of doubtful fairness to the specimen and calling for exceptionally good



judgment and a comprehensive knowledge of the standard on the part of the judge. A man who mates his flocks by score card might easily come to grief, as the most important factor in mating is knowledge of what is back of the bird, how it is bred and how the blood lines in the mating may be expected to nick. A bird capable of winning honors in the show room as a Standard exhibition specimen may easily be inferior as a breeding specimen. In fact exceptionally good show specimens seldom prove up well in the breeding pen.

How to Tell Fertile from Infertile Eggs by Examination of Unincubated Yolk.

Q. We bought a trio of S. L. Wyandottes from a breeder in Minnesota. We have seldom seen the cock serve the hens, but thought he would soon become more attentive as he is a fine looking bird.

One hen started laying and we set nine of the eggs. After seven days we tested the eggs and found them as clear as a fresh egg. Upon breaking the eggs we found spots at sides of yolk such as we supposed were found in fertile eggs. We also opened an egg from a pen where there is no cock bird and found the same spots. Will

EGGS AND BABY CHICKS

From Fogg's Single Comb White Leghorns

All our breeders this season are old birds, they produce the strongest chicks—THE KIND THAT LIVE. If you want the most for your money, send for mating list now. Safe arrival of chicks and eggs guaranteed.

N. V. FOGG -:- BOX R -:- MT. STERLING, KENTUCKY

BARRED PLYMOUTH ROCKS

THAT WIN

On one entry at **Chicago Coliseum** we won **1st Pullet-Mated Pen.** Our prices are very reasonable. Can handle a few more egg orders. Write us before buying elsewhere.

SUNNY SIDE POULTRY FARM J. J. Klein, Prop. MACON, ILLINOIS

Partridge Plymouth Rocks

My trap-nested layers win at such shows as TOPEKA, HUTCHISON, ST. LOUIS, DES MOINES, SEDALIA, ETC. If you want *real* Partridge Rocks, that will *win* and *lay more eggs* than any other strain, you will be interested in my mating list. Sent free on request

Best Guarantee Ever Made on Eggs

H. E. BURGUS, Partridge Rock Specialist Box A OSCEOLA, IOWA

Eastern Star Strain Single Comb

Rhode Island Reds

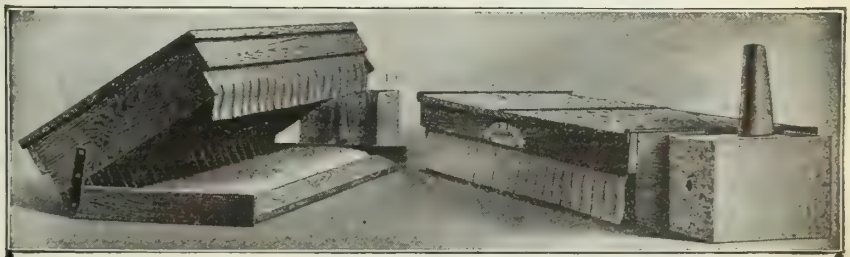
AT ALTOONA, PA., JANUARY, 1914, at the State Meet of the R. I. Red Club of America, won 1st and 4th Cock, 1st, 3rd and 4th Hen, 1st and 4th Pullet and 1st Pen. Cup for best Red in the Show won by 1st hen. Cup for best female. R. I. Red State Cup for best display. The pen won the $75.00 Cup for the best pen in the Show, 86 pens competing (146 Reds in class.)

Have also proven among the best winners at

ALLENTOWN HAGERSTOWN SYRACUSE
WILLIAMSPORT JERSEY CITY SCRANTON

and other leading shows. Write me your wants. I can supply you with eggs or stock and guarantee you satisfaction, and my guarantee proper means stock at proper prices. Money refunded immediately if you are not satisfied. Mention American Poultry Journal.

L. W. Maxson Scranton, Pennsylvania



Close-To-Nature OPEN AIR Hovers

THE LONGEST PORTABLE HOVERS NOW ADVERTISED

Five feet long, warmed evenly by heater on inductive principle. Applies the three **Close-To-Nature** principles:

CONTACT WARMTH, like the hen.
OPEN AIR VENTILATION, not hot air.
NON-PILING OR OVERCROWDING.

Combines the **Fireless** with the **Lamp**—use the lamp for very young chicks and discard it as they grow older; or use lamp during daytime but extinguish it when chicks cluster for the night. Hinged for easy cleaning out and airing. Roosting bed of earth or litter, perfectly sanitary. Nothing like these hovers now on the market. Brooders on same principles as hovers. Don't get a brooder or hover till you have read the Close-To-Nature circular. Very low prices.

CLOSE-TO-NATURE CO., 38 Front St., COLFAX, IOWA

Pure-Bred, Prize-Winning Columbian Wyandottes

I keep only the Columbian. Utility Birds and Winners. A few grand Cockerels for sale. Eggs for Hatching at $2, $3 and $5 for 15. Send for mating list. If you are interested in a heavy laying strain, write

Rev. Alfred W. Budd -:- North Brookfield, Mass.

World's Best S. C. Black Minorcas and Canada's Best S. C. Reds

At the American B. M. Show, 1910-1911 and 1911-1912, I won the Club cup for best collection. This, with our great wins at the largest shows on the continent, constitutes a record unequaled by any other S. C. Black Minorca breeder on the continent A limited number of Eggs for sale at $10 per 15. No mating list. Please send for circular and testimonials. I please my customers.

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BUFF ORPINGTONS

have won the highest honors at the leading shows, including Michigan City, Ind., Niles, Michigan, and South Bend, Ind., establishing beyond all doubt their claim to supremacy by defeating all competitors. A grand lot of exhibition and utility stock for quick disposal. Book your egg order now from our prize winning pens.

J. S. & C. A. BARTON Member National S. C. Buff Orpington Club **SOUTH BEND, IND.**

SILVER WYANDOTTES

THE BEAUTY & UTILITY BREED
THE BEST WINTER LAYERS
STOCK FOR SALE AT ALL TIMES
NO EGGS NOR BABY CHICKS

A. E. TARBOX, BOX A, YORKVILLE, ILL.

SILVER CAMPINES

Our Campines won at Aurora, Ill., cockerel, 1st, 2d and 4th; hen, 1st; pullets, 1st and 5th; pen, 1st on nine entries. We have 75 choice cockerels and pullets for sale in single cockerels, pairs, trios or pens. Also a choice lot of Wyandottes, including some of our Baltimore and St. Paul winners. Let us quote you prices.

R. C. Rhode Island Reds



EGGS $15.00 EGGS $10.00 EGGS $5.00 PER 15
From our NEW YORK, BOSTON, CHICAGO AND PITTSBURGH Winners

A chance of a lifetime to get eggs from winners at America's greatest shows at a reasonable price. Every bird in these matings a dark rich brilliant red specimen. A few choice breeding males and females for sale at living prices. Don't fail to send for our beautiful illustrated egg catalog. It is free.

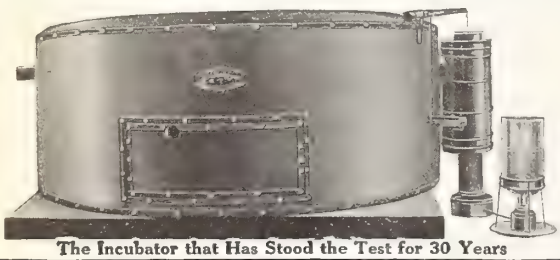
SIMMONS & CRITTENDEN : GENEVA, OHIO

KLINGBEIL PARTRIDGE ROCKS

The Great Fancy and Utility Strain

Winners at New York, Boston, Providence and other leading shows. They have the show record as well as the quality record. Bred in line for greatest value. Eggs for hatching from special mated pens $5.00 per 15; from run of the flock, $3.00 per 15. Also Baby Chicks. Send for mating list. Also some very fine mated pens and cockerels for breeding.

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PAUL KLINGBEIL, Prop. Sec'y and Treas. Partridge Plymouth Rock Club WALPOLE, MASS.



The Incubator that Has Stood the Test for 30 Years

AXFORD
Round
Incubators

Hatch more strong, vigorous chicks than any other.

Write for Catalog today—it will please you.

Axford Mammoth Hatchery
729 E. 45th St., Chicago, Ill.

Barred Plymouth Rocks

RINGLET STRAIN

1st Cockerel, Shape and Color Specials, Champion
Springfield State Show, 1914

Our pens are rich in the blood of this grand bird. We have the very best values in eggs for hatching at following prices: From fine large birds of our best blood lines—$2 per 15, or $5 per 50 eggs; from pen headed by 1st ckl. at Bloomington, Ill., score 92¼ by Hyle, $2.50 per 15 straight. Will sell eggs from my 1st Springfield ckl. and his sire's pens after April 1st at $5 per 15 eggs.

Fred P. Erdman - Highland Poultry Farm - Normal, Ill.

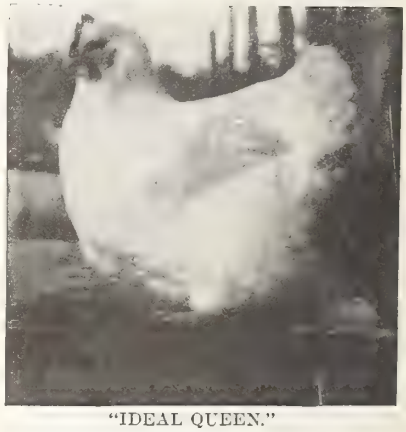
you kindly tell us what a fertile egg looks like and what an infertile egg looks like when you break the shell.

Los Angeles, Cal. G. L.

A. The "spots" you noted at the sides of the yolk have nothing to do with the fertility of the eggs. They are simply spiral arrangements of heavy albumen known as the chalazae, and serve as ligaments to support and protect the yolk.

A fertile egg after seven days incubation is easily recognized without need of breaking the shell if held before an egg tester. At this time the embryo chick can readily be seen through the shell as a pulsating dark body surrounded by abundant red blood vessels. The infertile egg remains clear like a fresh egg. At this time dead germs generally show up as still dark spots or as blood rings, or blood streaks. You will find egg testing fully explained and illustrated in the book "How to Raise Chicks," obtainable from our book department at 75 cents a copy.

By breaking fresh unincubated eggs and examining the yolk you can determine whether or not the eggs are fertile. As the egg is broken into a saucer the yolk falls with the side bearing the "germinal disc" uppermost;



"IDEAL QUEEN."

An unretouched reproduction of a grand White Orpington hen that was in First Prize Pen at January, 1914, Chicago show. Bred, owned and in the breeding pen of Charles W. Green, Proprietor Ideal Orpington Farm, Box, 168, Lombard, Ill.

or if you remove a portion of one side of the egg shell and examine the yolk as it rests in the egg you will always find this germinal disc in the top side of the yolk. The germinal disc is easily recognized as a small light colored disc about one-sixth of an inch in diameter. It is from the cells in this germinal portion of the egg that the chick is formed; the balance of the yolk is food for the embryo.

In a fertile egg a typical germinal disc will show an outer white rim of some little breadth and within this is a circular transparent area; inside of this clear area is an opaque or white spot of variable appearance, which may be the same throughout or may appear dotted.

In the germinal disc of an unfertilized egg there is no distinct division into an opaque rim and transparent center and the white disc is simply marked into a number of irregular clear spaces.

Off Colored Feathers in Orpingtons.

Q. Last spring I purchased a ten dollar sitting of White Orpington eggs from a big advertiser. I got six chicks

from this sitting and was satisfied with them because I did not know any better. When they were seven months old I entered one of the cockerels in a show. Two Orpington breeders who exhibited at this show said I ought not to have had such birds from ten dollar eggs. The cockerels have very poor shapes and have brown and black feathers in them. E. M. B.

Buffalo, N. Y.

A. Such chicks might come from pure blooded stock, but we would only expect them from carelessly or poorly mated breeding pens. Ten dollar eggs should have yielded you better results and we believe that the breeder should adjust this matter to your satisfaction. Better write him full particulars and ask for an adjustment.

Intestinal Irritation.

Q. On going out in the morning to feed my chickens I found one on the ground with leg stretched out straight. I took it out of the coop and put it in a dry shop room until it got better and in a day or two it was running around all right and showed no sickness, red comb, bright eyes, good appetite, but its tail drooped. I keep getting a bird affected this way every little while. I have six Philo coops, 3x6 feet, and I clean them out once a week. I feed



"Cockerel," Imported Deceiver: weight, 12 lbs., who heads Jaquesin Farms' third breeding pen. Second at club show, 27 cockerels competing; cockerel who was special for best cockerel in show at Hagerstown being unplaced.

wheat and oats in morning and corn at night. They have sprouted oats at noon and a few times I noticed that these seemed a bit mouldy. Do you suppose that the mouldy sprouts caused the trouble? A. S.

Janesville, Wis.

A. Trouble was intestinal irritation. May have been caused by the mouldy grain sprouts or by poisoning from soil of the pens. Better move the coops to new clean ground as often as you can and sweeten the old ground by deep spading, working and cropping it with some rank growing stuff like corn.

Feather Eating.

Editor American Poultry Journal: I note that one of your subscribers wants a cure for feather eating. I have one that never failed me. For fifteen years I raised fighting game cocks and nearly every breeding pen would have one or more feather pullers. It seems to me that Games are more inquisitive than other breeds and are always looking for something, either for a fight or feather pulling. I tried many different remedies until I thought of a plan to keep the bird's bill apart so it could not pull a feather and yet would not be inconvenienced in eating.

GOLDEN AND COLUMBIAN WYANDOTTES 100 Breeding Pullets For Quick Sale.

OLDEST AND MOST RELIABLE STRAIN IN EXISTENCE. EGGS READY.

Old Homestead Farms, J. H. McDanell, Prop., Warsaw, Kentucky

Rose — PRINCESS REDS — Single

Best blood. Our mating list for 1914 now ready. Write for one. 10 fine pens mated for results. All of our New York State Fair, Greater Buffalo and Rochester winners in these pens. Eggs of grand quality at very reasonable prices. Cockerels and stock for sale. **RED-W-FARM, Wadsworth & Caster, Box W, WOLCOTT, NEW YORK**

Walker's Barred Rocks

Have won the following prizes this winter; at Chicago, 4 prizes; at Springfield Ill. State Show, 9 prizes and the State Barred Rock Cup; at Davenport, Ia., 12 prizes and 5 silver cups.

We have mated 5 pens, the best we ever yarded, 3 pullet mating and 2 cockerel mating. Write for mating list. We still have a few good breeding cockerels for sale, cockerel or pullet mating.

G. A. WALKER R. R. No. 1 POLO, ILLINOIS



Single Comb White Leghorns

At the Illinois State Show, 1914

My Leghorns won 2nd and 3rd Cock, 2nd and 3rd Hen, 2nd and 3rd Cockerel, 3rd and 5th Pullet and 3rd Pen. Mating list free.

A. D. TAYLOR R. 5 Springfield, Illinois



SANDY LICK POULTRY FARM

Black Buff Orpingtons

Winners at National Exhibition at Pittsburgh, Pa., Feb., 1914, I won

Black Orpingtons, Cock 1; Hen 1; Ckl. 2; Pullet 2; Pen 1; Best Display, etc.

Buff Orpingtons, Cock 1-2; Hen 1; Pullet 1-2: Pen 2. (Sold First Cockerel.)

S. C. White Leghorns. Send for catalog. Eggs for hatching from select matings. Stock for sale.

SANDY LICK POULTRY FARM

966 Liberty Avenue Pittsburgh, Penn.

Brookdale Poultry Farm

SINGLE COMB WHITE LEGHORNS

Won in 1913 11 Specials, 12 Firsts, 9 Seconds, 7 Thirds, 2 Fourths, 3 Fifths

CHICKS; $15.00 per 100 EGGS, $8.00 PER 100

We congratulate ourselves on being able to announce the recent purchase of the entire flock of

BUFF ORPINGTONS

owned and extensively shown by Mr. W. A. Mann of Coatesville, Penna.

EGGS from these Special mated pens of BUFF ORPINGTONS, our WHITE ORPINGTONS and LIGHT BRAHMAS comprise our offerings for the season of 1914.

Write for booklet and special mating lists

W. C. GRIFFITH, Owner COATESVILLE, PA.

Alpena Poultry Farm

Breeders of **White Orpingtons, Barred Plymouth Rocks,** and **White Wyandottes.** Our birds are the equal of the very best in America. **Our birds are prize winners, and extraordinary layers.** With all the standard requirements.

If you want to buy eggs for hatching, from stock that will bring added pleasure to your life, let us fill your order.

Eggs for hatching, $2.50 per 15, $5 per 50, $8 per 100.

Our Prices are Low, But Quality is High

Safe arrival, and satisfaction guaranteed. We pay express charges on eggs. Send in your order at once. We will book the same, and ship when you say.

Alpena Poultry Farm Box 320 Alpena, Michigan

Remember that

Russell Cave White Orpingtons

Layed more eggs than any other pen of Orpingtons, all varieties competing, at the Missouri National Egg-laying contest, besides winning the cup for the greatest number of eggs during the month of February, against all breeds.

My Winnings This Year Are As Follows:

The Great Hagerstown Fair—1st and 3rd Hen, 1st and 2nd Cockerel, 1st and 3rd Pullet, 1st Pen—no cock shown—special for the best hen in the show.

Augusta Poultry Show—1st and 2nd Hen, 1st and 2nd Cockerel, 3d, 4th and 5th Pullet, 1st Pen and specials.

Eggs from the Greatest of All Matings
$15, $10, $5. Satisfaction guaranteed

RUSSELL CAVE POULTRY YARDS
Address Louis Lee Haggin, Prop., Route 3, P. O. Box 1025, Lexington, Kentucky

Incubator, Brooder and Poultry Yard **SUPPLIES**

Our New Catalog issued Feb. 15th shows a full line of Incubator and Brooder Supplies, Fixtures and Repairs; and



Brooder Hovers complete, with lamp, hover cloth and curtain, from **$1.80** to **$8.00**

The Complete Oakes Line of Labor Saving Poultry Yard Devices



It tells you how to save half the time and labor in caring for your fowls, and at the same time get much better results.



Sanitary Drinking Fountains, **15c** to **$1.75**

O K Dry Mash Hoppers, Economy Automatic Feeders, 3-Compartment Hoppers, Grit and Shell Boxes and Chick Feed Hoppers, **50c** to **$1.85.**

We have a copy of this catalog for you, send for it today.
Catalog No. 22B

The Oakes Manufacturing Co.

Factory and Home Office - - Tipton, Indiana
Eastern Branch, 64 Cliff St. - - New York City
Canadian Warehouse - - - Toronto, Ontario

Get a piece of aluminum wire about the size of common wrapping thread, pass it through the comb close to the base of bill so that it won't tear out; about half way back on the bill place it around the upper half and bring ends together, make a neat twist to fasten it, cut off with a pair of shears and bend the twist back against the comb. Take your finger and press the wire up against the roof of the mouth and that bird is done with feather eating. Hope this helps some one. Walter D. White

Hooker, Ohio.

(Note.—Mr. White's plan is a good one and will stop feather pulling. Some poultry supply houses sell "poultry bits," which are quickly applied and serve the same purpose. Ed. A. P. J.)

Ground Limestone.

Q. I have read an article from Rhode Island Experiment Station stating that ground limestone is good for young chicks, especially for leg weakness. They do not give a definite way of feeding it. I would like to know in what proportion or weight to feed it. My chicks are dry fed from a hopper. J. W.

Chicago, Ill.

A. Simply crush the limestone to size of fine grit or chick food size and keep it always before the chicks. If desired you can add five per cent fine ground limestone to your dry mash.



"Colonel Jack." Bred and raised by E. C. Cleveland, Imlay City, Mich.

Contamination.

Q. Suppose you had a Columbian Wyandotte cockerel in a pen with several Columbian Wyandotte pullets and put in this pen two Ancona pullets or two mongrel pullets. Would the chicks hatched from the eggs of the Columbian Wyandotte pullets be clear Columbian Wyandotte? Would there not be a trace of the Ancona or mongrel in the chicks obtained from the Columbian Wyandottes? I maintain that there will be a mixture. I know of an instance in the breeding of games where a person followed very careful line breeding with one exception, and that was when he left a person in charge of his fowls during prolonged absence, who allowed a cock bird to tread a mongrel hen and the offspring from the balance of the pen showed traces of the mongrel. Would be pleased to hear from you in this matter. O. P. S.

Battle Creek, Mich.

A. We have repeatedly been told stories of contamination of this sort but have never seen a case that could be proved. If that person in

charge of the flock permitted the cock to tread a mongrel hen, he might easily also have permitted a mongrel or other male to run with the females. We have repeatedly allowed well-bred males to run with other varieties and afterward used them for breeding with no change in results from their mating. We don't believe that the male treading foreign birds will contaminate the balance of his mates. Don't see how it possibly could.

Most of the yarns about contamination which we have investigated will not prove up when you get all the facts. We were once told of a snow white hen that laid eggs producing mottled and coal black chicks simply because she frequently saw a black male through a chicken-tight fence. Believe us, either she got through that fence or the male did, or some other male with black in him did, or there would have been no black chicks. In other words the contamination came in some other form than through eyesight and mental impression.

You can keep white egg females indefinitely in a pen of brown egg thoroughbreds and have the brown eggs hatch chicks true to their breed. We have seen it done repeatedly and never once noted any contamination.

Off-color in chicks of unrelated birds of same variety may result from atavism, but you don't get real contamination unless you mix the seed. In example cited by Mr. S. the Columbian Wyandottes would come pure. The eggs from mongrels and the Anconas would produce mongrels containing part Columbian blood.

Maywood Grammar School Poultry Show.

Editor American Poultry Journal.

Gentlemen: As there is considerable talk about boy's and girl's corn and poultry clubs throughout the country, perhaps your readers may be interested to know that the pupils of the Lincoln Grammar School of Maywood, Ill., held a poultry show Friday, March 6th. There were on exhibition fifty-five fowls, four pigeons, fourteen bantams, two pheasants and two guinea fowls.

In addition to these entries by the pupils, some of the older breeders of Maywood who have captured prizes at such shows as Elgin and Chicago exhibited (not for competition) in order that the boys and girls might compare their stock with that of prize winners at the large shows. Among these were the first White Orpington cockerel, Chicago, 1914; four birds from a display of prize winning Black Minorcas, Chicago, 1913; and the first prize White Leghorn cockerel, Elgin, 1914, which was bred and owned by Mr. Bicknase, the principal of the Lincoln Grammar School and to whom belongs a great deal of credit for awakening an interest in poultry among the children of this school.

The show was judged by comparison, no classes being made for any variety, but in judging the six best "coops," that is the six best entries in the show, were each awarded a first prize. The next six in order being awarded the second prizes. To each winner of a first prize an additional prize of a sitting of eggs was given, these eggs being donated by the fanciers who exhibited birds not for competition. Those securing second prizes received also a half sitting of eggs, the winners to choose

QUALITY WHITE ORPINGTONS

Ten pens mated, including my winners at Chicago, Peoria, Quincy and Alton.
Send for mating list. All infertile eggs replaced free.

G. H. WOOLINGTON R. R. 5 MONTICELLO, ILLINOIS

Our Mammoth Bronze Turkeys

make a clean sweep at the Great Coliseum Show, Chicago, winning 1st and 2nd cockerel, 2nd, 3rd, 4th and 5th cock, 1st and 5th pullet, 2nd and 3d hen, and the **$100.00 Trophy Cup** given by the National Bronze Turkey Club for the best display. A grand lot of young and yearling stock for sale, including the **Grand Champion Cock at Illinois State Show, 1913.**

JAMES S. MILES & SON -:- -:- PETERSBURG, ILLINOIS

Eakin's White Wyandottes

AT THE GREAT HAGERSTOWN FAIR, 1913—Won first cockerel and special, fourth pullet.
AT THE GREAT MID-WEST SHOW, CHICAGO, 1913—Won first cockerel, third pullet, first young pen.
Choice Exhibition and Breeding birds for sale. Our breeding pens have quality rarely equaled.
Send for mating list. Eggs for Hatching, $5.00 per 15. Satisfaction guaranteed.

F. M. EAKIN BOX A BUCYRUS, OHIO

CAMPINES LEGHORNS

Silver Golden S. C. White

Day-Old Chicks, Eggs for Hatching and Stock

Now is the time to place your orders for day-old chicks and eggs. Can supply you from the leading English and American strains (Tom Barron and D. W. Young) in Leghorns and in Campines. Our pens of Goldens will be headed by the best in hen-feathered males and represent the best quality and type and are bred for heavy egg production. Satisfaction guaranteed. Catalogue free. **MOUND HILL FARM, S. D. Hall, Mgr., Box 78, Seville, O.**

Columbian Wyandottes — Boston, 1914, Winners

Cock, First; Cockerel, First; Pen, First; Pullet, Third

Special for Best Shaped Male, Championship Special for Best Male, etc. My line has an unequaled record for winning and practical quality.

SELECTED BIRDS FOR SALE. EGGS FOR HATCHING. SATISFACTION ASSURED.

J. E. PERKINS 513 Canton St. WEST STOUGHTON, MASSACHUSETTS

Palmer's White Rocks

If looking for stock and eggs, **do not pass us by,** for our birds will win ,also lay for you. Write your wants and, what ever your remittance, we guarantee your money's worth and prompt delivery. Free Booklet.

EGGS $5.00 per fifteen. EGGS $3.00 per fifteen.

"The Glen" Poultry Farm : Fairport, New York



S.C.BROWN LEGHORNS



PRIZE WINNERS

The kind of birds the fancier loves to raise. I won 1st on cockerel, 3d on cock, at the Boston show, 1907; 2d and 5th cockerel, 3d and 5th cock, 3d and 6th hen, Boston, 1908; 1st on cock, 3d on pullet, at Madison Square Garden, 1905; 1st cock, 2d and 3d on cockerel, 1st on pullet, 1st on pen, and 10 special p emiums at Chicago show, 1905, winning fifteen prizes on eight birds. At Chicago, December 1909: 1st and 2d cock, 1st and 5th cockerel. First cock, 1st cockerel at the Great Chicago Show, 1910. A choice lot of show and breeding stock now ready for delivery. Circular showing my winnings free. Write now.

W. H. WIEBKE Box A 348 FORT WAYNE, IND.

Wyckoff's S. C. White Leghorns

acknowledged everywhere the World's greatest laying strain; unequalled in standard qualities. Remember that we are the originators and for over 30 years specialty breeders of the justly celebrated **"Wyckoff" strain of S. C. White Leghorns,** the most profitable strain of poultry in America today. Place your orders at headquarters and make no mistake. **Eggs for hatching** in any quantity from the grandest of matings, both utility and exhibition. Catalogue and testimonials free.

C. H. Wyckoff & Son Aurora, Cayuga Co., N. Y.

"O. K." Poultry Litter

TRADE MARK

s cheaper to use and ever so much better than Straw, Clover, Alfalfa, Sawdust, Shavings or anything ever thought of for litter.

"O. K." KEEPS THE BROODER CLEAN DRY SWEET

WITHOUT ONCE CLEANING OUT

Imagine the comfort, convenience and time saved running your brooders like this. Remember, one lot of "O. K." Litter lasts until the chicks have outgrown the brooder without once cleaning out. In COOPS, LAYING HOUSES, COLONY HOUSES and SCRATCHING PENS, "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once in three or four months.

Tell us how large your house is—we will tell you how much "O. K." Litter you need. Write today for

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BIRDS OF QUALITY

PERKINS' STRAIN

Partridge Plymouth Rocks

are perfect both in type and color. As egg producers they can not be excelled.

That is why eggs from my matings are bound to produce fowls that will meet all requirements.

Look up the show records and you will find that the "Perkins Strain" have always been among the winners.

If you want "birds of quality," that kind that have the beautiful triple lacing, besides being egg producers, send for a setting of Perkins Strain eggs.

Mating List with color plate of fowls, describing our pens, is free. Write for it.

SPECIAL.

At a great cost, we have issued a special De Luxe catalogue, beautifully illustrated, with full information about Partridge Rocks. The price is 25c and it is well worth the money.

F. N. PERKINS - 22 Harlem Ave., Freeport, Ill.

EVERGOLD

Buff Wyandottes

EGGS EGGS EGGS
COCKERELS COCKERELS COCKERELS

Evergolds are the Heavy Winners of the Season.

Evergolds are the Heavy Winter Layers.

An infusion of Evergold blood will help 99 flocks out of 100. Get a breeder while they last.

Send in that order for eggs NOW.

Nowhere can you so surely get your money's worth of good Buff Dottes as at

ROCKY RUN FARMS, BOX 50 NORTHFIELD, O.

W. G. MARSHALL, Owner GERALD WILLIAMS, Mgr. Poultry Dept.

PRICE LIST MATING LIST FREE

Elegant Illustrated Catalog giving our methods of Feeding and Breeding Buff Dottes, 20c

the variety they wanted and the association to purchase same.

This was the first attempt at holding a poultry exhibit in Maywood. The idea is to stimulate interest in poultry culture among the boys and girls of Maywood and to encourage back lot poultry raising of the right kind.

Next December the second show will be held, and as the first show was a financial success, because of the small expense and the majority of the prizes being donated, the proceeds of the show will go towards cash specials and other prizes for next winter. The principal of the school expressed the hope that the winners of eggs this season would come back at the next show and win with the chicks hatched from them, and that those who did not win this year would come back with improved stock and so stand a better chance of beating the other fellows. R. C. Jamieson.

More About Egg Production Cost.

Editor American Poultry Journal

Have been much interested in communications in regard to egg prices in recent issues of your Journal, especially one by Levi French in March issue. Mr. French gives actual figures and not guesswork averages.

On the question of egg prices, conditions vary greatly but that the price of first quality table eggs is, and always has been, too low, no one who knows the facts in the case can dispute. Undoubtedly there are eggs in the market for which any price would be too high, but for good eggs we must have good prices.

It is very seldom we find a poultry keeper who knows what his eggs cost him. If he comes out ahead of the game he is well pleased, if he does not, "there's no money in poultry." But other lines of business can not be successfully carried on in this slipshod fashion. Keeping poultry records is, many times, difficult if the poultryman is otherwise employed a good part of his time, but it is the only way to know where he stands.

My records for the past year are complete for only half of the year as on account of an accident, I was unable to care for my birds, and my substitute attended to that part of the business when he remembered, which was about half the time. These few figures for the first six months of the year are of interest, however, since they show on what a small margin the poultryman is conducting his business.

The record is as follows:

Month	Local price per doz.	Average cost per doz.	Average cost feed per hen
January	.22	.349	.0823
February	.20	.27+	.087
March	.15	.122	.085
April	.16	.12—	.095
May	.17	.097	.095
June	.14	.124	.0834

Foods used were as follows:

Bran at $1.25; middlings, $1.40; beef scrap, $3; corn, 46 cents per bushel; oats, 30 cents per bushel; wheat, 95 cents per bushel; ensilage, $4 per ton; potatoes, 25 cents per bushel.

These birds are Barred Plymouth Rocks and have been fed the Purdue laying ration with ensilage and potatoes as green food. They have free range, and up to date methods are used in their care and management. The price of foodstuffs are figured from local market prices, actual cost being given. No allowance is made for labor. Interest on investment is almost one cent per

month per hen, and is not included in the figures.

Anyone can plainly see that these birds on free range with plenty of good food and care, while averaging a good deal better than Uncle Sam's "average hen" that we hear so much about, barely paid the cost of the food they consumed, to say nothing of the labor and cost of investment. Looks like bad business, doesn't it? And wouldn't it be interesting to know how many thousands of poultry keepers are doing about the same or worse? But most of them don't know it and are taking all kinds of comfort fooling themselves. The small town is a poor market wherever it may be, but in the parcel post days that are coming either the small town residents will have to pay good prices for their eggs, or the producer will find customers who will. S. J. Hiss.

Plymouth, Ind.

———o———

Chicago and the Next A. P. A. Meeting.

Chicago, through its A. P. A. members, the Chicago Poultry Society wants your vote for the next annual convention of the American Poultry Association.

The Chicago Poultry Society is made up of poultrymen around Chicago for



Leon C. Huntington's first prize cock bird, Chicago, January 1914. A most interesting feature of Peerless Strain White Leghorns is that they are excellent layers as well as winners. Mr. Huntington says one of his customers reported having received two eggs from a trapnested Peerless exhibition hen February 26 this year. The twelve hens in exhibition mating number 6 have an average of 184 eggs in their pullet year. And Mr. Huntington writes that eighty hens (1911-1912 hatches) in his pens 11-20 have averaged sixty-one eggs per day during the first two weeks in March.

the purpose of holding monthly meetings, where they can get together socially, talk chicken, and do what they can to promote this great industry. This society does not promote any show and is formed solely for the above stated reasons.

We feel that Chicago is entitled to this meeting because of the chance of doing the greatest good for the largest number. Being centrally located, the attendance is bound to be larger than if held at any other point. It is a foregone conclusion that the 1915 meeting will go west and that some mid-west city is entitled to the convention this year. Many important matters are to come up and a large attendance is desired. All railroads lead to Chicago and many breeders west and northwest of Chicago would come here when they

SCHOOF'S BUFF ORPINGTONS THE KIND THAT WIN

Yards headed by sons of 1st Chicago cock, 1911. Write for mating list. Satisfaction guaranteed.
Walter C. Schoof, Specialty Breeder Member Nat. S. C. Buff Orpington Club **Imlay City, Mich.**

SILVER LACED WYANDOTTES

Won at CLEVELAND, 1913, 1-2 pullet, 4-5 hen, 4 cockerel, 1-3 pen—16 entries, 15 winning ribbons in large class. These winners are MATED for the EGG TRADE. Write for Mating List.
EWING & ROMICH Lock Box 393 CRESTON, OHIO

Golden Wyandottes Win at Boston, January, 1914

Cock, 1-2-4-5; Hen, 1-3-6; Cockerel, 1-2-4-5; Pullet, 1-3-4-5; Pen, 1; Best Display; 3 Association Specials, and 13 of the 19 Club Specials, **completing a Record Win.** Breeders and mated birds for sale. Your wants will have my best care. Write for particulars.
LOREN H. BROWN · LUNENBURG, MASSACHUSETTS

PRUDHOMME'S CAMPINES

have proven to the world their ability to lay large, white eggs. The Proof: 1st prize Campine eggs at Baltimore; 1st prize best dozen white eggs at Washington; 1st prize Campine eggs N. Y. State Fair at Syracuse; 1st prize best dozen eggs in the class 22 dozen, Ancona, Andalusion, Houdan, R. I. Red, Langshang and other Campine eggs competing at Allentown; 1st prize and special at Philadelphia; the SWEEPSTAKES over all eggs entered at Frederick, Md. Descriptive booklet free, send for it today, **don't wait another day.** See my other ad. Mention A. P. J. please.
DR. J. H. PRUDHOMME DESK P2 THURMONT, MARYLAND

Cleveland's S. C. Buff Orpingtons

Have been Chicago Coliseum winners for the past 3 years. At the late show they won 1st old pen, 1st hen, 2d cockerel, special for best colored old pen, special for best shaped female and 4th young pen. *Eggs and stock for sale.* Write for catalog and prices.

Frank C. Cleveland, Morgan Park, Illinois

Russell's White Wyandottes

At Boston's Great Show, January, 1914
Make the World's Best Record Winning

Competing with 200 Classy Birds of Superior Merit and Quality my birds won **Champion Male Special Cup.** Cock, **1-5-6,** Hen, **1-2-4,** Cockerel, **1-3-6.** (Bought first.) Pullet, **1-2,** Pen, **1-3-5. Best Display** and practically **all Specials, Club and Association.** They have won at

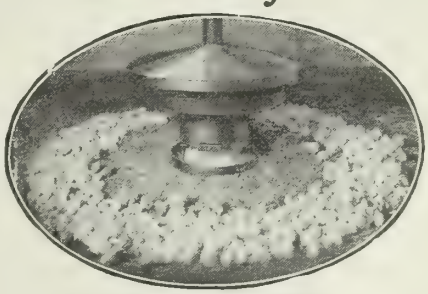
New York, Buffalo, Toronto, Guelph, Etc.

and have a record for real winning quality at our best shows. We do not sell eggs for hatching. Stock for sale at all times. Special sale of selected breeders now, they are of my best winning lines. We assure results. Write me today.

JOS. RUSSELL 437 JARVIS ST. TORONTO, ONT.

Let Practical Poultrymen Tell You:

How they have saved 30 to 50% more of their chicks. Why they are satisfied with The Simplex.



How they have made larger profits. How they have saved time and labor with TheSimplex

All users will recommend The Simplex Brooder Stove. Let us send you their testimonials.

The Whole Secret of The Simplex Brooder Success is this:

No Wick No Gas No Fumes No Smoke, and An Absolutely Simple Automatic Oil Regulator

The failure of the many Brooders which have tried to imitate the Simplex should not prejudice you against this Brooder Stove, which is built upon the right principle, and which has proved successful everywhere. **Send today for catalog and testimonials.**

SIMPLEX BROODER STOVE COMPANY
220 FOURTH ST. GRAND RAPIDS, MICH.

The Question of Cleanliness

Settled with

Peerless Poultry Protector

The Snow White Disinfectant Coating

Poultry houses covered inside and out for a fraction of a cent per square ft.

Weatherproof
Washable
Fireproof
Sanitary

A dry powder soluble in cold water. Easy to mix and apply.

Prices in less than ton lots

350	pound	Barrel . .	$25.00
200	"	" . .	15.00
100	"	Keg . . .	9.00
25	"	Box . . .	3.00

One pound covers about 30 square feet. Two coats.

More efficient than anything else.

Peerless Poultry Promoter

Port Richmond, N. Y.

could not afford or would not go to any other point farther east or south.

Realizing that many members bring their families who are not, perhaps, personally interested in the regular work of the convention, and also realizing that all work and no play makes such meetings dull, the following tentative program of entertainment, same to be enlarged, improved, or changed to meet the desires of the convention committee of the A. P. A. is offered.

A convention hall large enough to seat 1,000 people, another hall large enough to comfortably seat the executive board, an executive room for the president, another for the secretary, will be furnished the association free of charge. Hotel accommodations are plentiful, and it is guaranteed that rates will not be raised, as is often the case. Good rooms can be had for $1 a day and up. Those attending will be greeted with a reception and ball on the opening night of the convention. A banquet will be given one night of the week. The ladies will be entertained at luncheon one noon, by the great Marshall Field & Co., and they will then be shown through this great establishment. The ladies, and perhaps others, will be given an automobile ride of 40 miles through the park and boulevard system of the city. An evening boat ride will be given on the lake with the large steamer "Teddy Roosevelt." The men will be treated to a smoker. There will be badges furnished free that will admit to several of the amusement parks, and to whichever league baseball team is playing in the parks at that time. The Chicago Poultry Society will have entertainment to offer galore, and it is only a matter of how much you wish. Behind the Chicago Poultry Society are the best business men of Chicago. You can have all speeches by the mayor, the chief of police or any other notable you wish. The nights in Chicago are always cool and there is never a night when one cannot sleep comfortably under covers. Then vote for Chicago, come 1,000 or more strong and you will have the best time you ever had at an A. P. A. convention.

—o—

Mr. A. C. Hawkins.

It is with pleasure that we note the name of Mr. A. C. Hawkins, Lancaster, Mass., on the nomination ballot of the American Poultry Association. We know of no one who is better qualified to act as a member of the executive board than Mr. Hawkins. His many years of successful breeding and exhibiting thoroughbred poultry has well fitted him for a position of this kind, and we feel that he is entitled to the unanimous support of the members of the American Poultry Association in every section of the country.



The "Signet" Aluminum Leg Band
Adjustable—Signifies Quality
Price 12-15c; 25-20c; 50-35c; 100-60c.
"Silver Tip" Pliers for applying all kinds of bands. Price 10c, 3c extra for postage. Mention A. P. J.
W. J. BALL, SALEM, OHIO

Silver Wyandottes

"There is money in Silvers"

The Steinmesch Strain known the world over. EGGS FOR HATCHING, $5.00 for 15, $8.00 for 30 Circular free. Address

Henry Steinmesch, St. Louis, Mo.

JOE-PYE Orpingtons



"CHAMPION NEW YORKER"
Greatest Buff Orpington Sire and Show Bird in the World

Madison Sq. Garden
1913-14

1st and 4th Cock
4th Cockerel
4th Pen

In the last five years my male line has won 1st at the "Garden" four times. One of these five years I did not show, but two cockerels from eggs I sold, that year won 2nd and 3rd, beaten by an importation. This is an unprecedented record.

To this add my great win on males at the Palace, N. Y., at Boston and many smaller shows for the past three years and the fact is well established, beyond dispute that I have the strongest male line in the country. And it is a "line" I have bred—all related—not transient "sports" that happened to win but different birds of this line that have been awarded highest honors by many judges.

With this large winning at the largest shows, on males I bred, I am able this year to put together a most remarkable and consistent lot of matings. My free mating list describes pens in detail.

Guarantee on Eggs

I make the generous offer to replace all infertile eggs once free of charge.

JOE-PYE ORPINGTON FARM
HARRY STACEY BENTON, Owner
R. F. D. 5, SO. NORWALK, CONN.



FIRST PRIZE ORPINGTON COCKEREL AND CHAMPION MALE PITTSBURCH 1914
BRED AND EXHIBITED BY
MAURICE F. DELANO. VINEYARD HAVEN. MASS.
SUCCESSOR TO OWEN FARMS.



FIRST PRIZE S.C RED COCK CHAMPION MALE PITTSBURCH PENN 1914
BRED AND EXHIBITED BY
MAURICE F. DELANO. VINEYARD HAVEN MASS
SUCCESSOR TO OWEN FARMS.



The first prize and shape special hen and the cock and a hen from the first prize and color special pen at the Great Coliseum show, December, 1913. Send for mating list, free.



Again the blackbirds sing; the Streams
Wake, laughing, from their winter dreams,
And tremble in the April Showers
The tassels of the maple flowers.

* * *

April hatched chicks make early fall layers.

* * *

Fertility is excellent, according to results noted and reports received.

* * *

The man who succeeds in life is the one who "is doing" something every day.

* * *

Feed but little at a time, but feed often and plenty. Keep the hens busy. More eggs and best fertility will result.

* * *

The little things count big in poultry raising. Aim high, work carefully and intelligently, observe and try. Your success will be an item of complete satisfaction to you.

* * *

Men should never run after a street car or a woman, there will be another one along in a minute.

* * *

Chicago for the 1914 A. P. A. meeting. Its miles of lake beach will be a reminder of what our members enjoyed at Atlantic City last summer, and its selection will insure a record meeting.

* * *

Our idea of an earthly angel is a satisfactory wife.

* * *

We think it a good idea for judges to report the prominent classes at the great shows. They handle the birds and should know. The breeders are willing to learn and such reports would be of value to many.

* * *

Mr. E. B. Thompson has no opposition and will be re-elected President of the American Poultry Association. Secretary Campbell is likewise fortunate and deserving; his work for years has been above question and a credit to the A. P. A.

* * *

This is the season of catalogues and we try to mention all received. Yearly they show improvement, a good sign of progress among the breeders.

* * *

Names on the coops before judging is the proper caper and we understand several associations will adopt this plan next season. The judge will pay no more attention to that than he does to leg-bands, and why should he? He is there to judge the birds. If he fails, this is the way to find him. Let us put our Poultry Exhibitions, Poultry Associations and Poultry Judges on a par with other great exhibits held in this country. We can do it by confidence in ourselves.

* * *

Have you read the March A. P. J. from cover to cover. If not, why not? There is only one larger book published, and that don't treat on poultry.

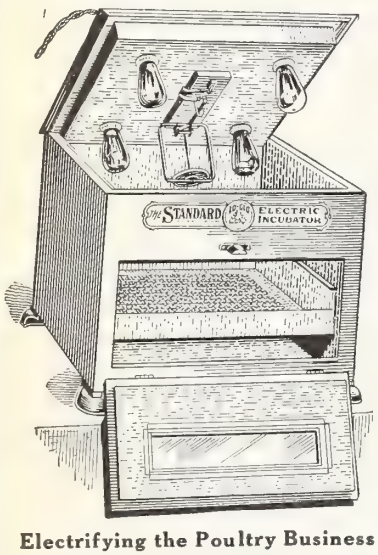
* * *

The new A. P. A. Constitution is

PRUDHOMME'S CAMPINES

SILVER-GOLDEN: Having won 24 Firsts, 8 Seconds, 12 Thirds, 7 Fourths and 2 Fifths in hot competition at 6 representative shows the past season, **my stock is better than ever, my prices lower than ever.** Why pay more? Send for descriptive booklet today; compare quality, viz., price. See my other ad. Mention A. P. J., please.

DR. J. H. PRUDHOMME DESK P1 THURMONT, MARYLAND



LO-GLO Electric Incubators

Built of steel. Run by electricity. No danger of fire or explosion.

Absolutely Automatic Control of Heat, Moisture, Ventilation

Electrifying the Poultry Business

The **Lo-Glo Incubators** embody in the highest degree every qualification for the successful hatching of a strong, vital chick from every hatchable egg.

Being **All-Steel, Odorless, Smokeless, Sweet and Sanitary,** and foolproof, **Lo-Glo Incubators** can be operated in any room in the house, any building, apartment, office or store.

Sizes, 50 to 300 Eggs. Prices no higher than for other standard machines.

LO-GLO ELECTRIC HOVERS for from 50 chicks up to any number. If you have, or can get, electricity on your place, don't fail to write for **Our Free Booklet,** illustrated, and learn how easy and pleasant it is with electricity to have big hatches of strong, vigorous, healthy chicks. Write today.

STANDARD ELECTRIC INCUBATOR CO., 76 GREENWICH ST., NEW YORK



Stayon Aluminum Poultry Band
Smoothest and most secure. 25-20c; 50-35c; 100-60c; 200-$1.00 bill. Catalog, 5 samples 5c; no stamps.
American Band Works
Box 297, Canton, Missouri

F. L. POULTRY FARM
Rose and Single Comb
Rhode Island Reds
Winners at all National Shows
STOCK AND EGGS FOR SALE
Satisfaction Assured
F. L. OBER R. F. D. 1 VERONA, PA.

The Last Word
In "Profit Paying" Blue Ribbon Winning Stock

Don't Forget the Almighty Dollar in your eagerness for show room fame.

There's another side to it. Get our 200 Egg Stock, which has been trap-nested for 24 years, and "forget" the empty egg basket or the empty purse. We offer fine breeding males and females at reasonable prices.

Baby Chicks $20 per 100, out of 200 to 248-egg hens.

Eggs for Hatching—$10 per 100; Bd. Wh. and Buff Rocks, Reds, Wyands., Orps., Leghorns.

3 Ribbons at Boston on 4 entriesin 1914, on **Buff Rocks.** My best pullet scored 95½ at one show this year under "Weed" Judge

I have Chicks and Eggs out of regular stock at $1 per 100 for Chicks, $8.00 per 100 for Eggs.

Write wants. "You have had the rest, now buy the best."

Sunnyside Poultry Farm
Box 1002 Bristol, Vermont

HOUDANS

The **"Famous Jimcrack Strain"** have won and have produced winners at our largest shows for years. Their records at Toronto, the Ontario Winter Fair, Boston, etc., prove their quality. Stock and eggs for sale. Write for circular.

HARRY TAYLOR, 82 Howard Park Ave. TORONTO, ONT. CAN.

— SEE THIS NEW —

Poultry Band



The Kind That's Different

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. **Made for baby chicks and pigeons.** Free catalogue giving full particulars and prices.

F. A. MARSHALL
203 Bancroft Ave. - - Reading, Mass.

King's Ribbon Winners
R. C. Rhode Island Reds

Eggs from two high class pens, $5 and $3 per setting of 15, ten of these hens as prize-winning pullets scored 92 to 94½ points. 1st prize cock and cock of 1st pen at January, 1914 Wheeling, W. Va. Show head these pens. Range flock eggs for incubator, 100 for $6.

EDWARD J. KING
Box 171 Pine Grove, W. Va.

Day-Old-Chicks
S. C. White Leghorns

Exclusively

Pen of 100 chicks . $10.00
100 eggs for hatching 5.00

50 high class pullets also 50 first class hens while they last, $1.00 each, or all for $95.00—a real bargain.

Good cocks and cockerels at $2.00 each.

CHAS. H. WHITNEY, DELTA, OHIO



R.C.MINORCAS

First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free

G. A. Clark : Seymour, Ind.

ready for a third reading by the Committee. We are told it is a dandy. Well, we hope so, and that it will provide the means of positive advantage to its members.

* * *

Luck never wastes any time on the Let-Well-Enough-Alone Man.

* * *

We understand that the First Prize White Wyandotte Cockerel at Boston was bred by Mr. Arthur G. Duston. Well, Arthur, your line has surely been in "It" for years, and more so as time goes.

* * *

Buy your eggs for improving now. A very large per cent of our breeders could improve their stock in this way. It is a safe an sure way.

* * *

Answer to C. H. W.—The First Prize Barred Rock Hen owned by Mr. C. N. Myers, Hanover, Pa., won the Championship Female Special at the late Madison Square Garden, New York, Show. The First Hen and First Pullet alone competed for this prize. The same judge judged both classes.

* * *

The stockholders of the R. T. French Co., Rochester, N. Y., makers of "French's Poultry Mustard," have voted to increase their capital stock from $175,000 to $275,000. Their plant is now the largest mustard factory in the world.

* * *

The Partridge Plymouth Rock Club has elected the following officers for 1914: Mr. M. C. Bird, Meyersdale, Pa., president; Mr. W. S. Presgrave, Salisbury, Md., vice-president; Mr. Paul Klingbeil, Walpole, Mass., secretary and treasurer. This is a very strong and representative line of officers that should receive every support from the breeders of this variety.

* * *

The greatest storm in years has spread over the North and East. Peaches and other fruits will surely suffer, but the poultry, never. The boom is on and no weather can even chill the hearts of the fanciers.

* * *

We understand that Mr. Frank McGrann, Lancaster, Pa., has consented to stand for election by the Pennsylvania branch of the A. P. A. for president. Mr. McGrann would make an ideal president. He is one of our best and

The Oldest Flock in America; Bred for 23 Years

S. C. Buff Leghorns
Columbian Rocks

Bred 9 Years

The price and quality is right. Write me today.

J. Quincy Dawson, Dept.D, Coshocton, Ohio

Pagel Fountains and Hoppers



Water is cheap and plentiful. Poultry needs it and should have pure clean water before them at all times, served from our Sanitary Fountain.

Feed is high, poultry, rats and birds waste it. Supply your feed in our Sanitary, Non-Wasting, Non-Clogging Rat and Bird-Proof Hopper.

The two quality articles for the poultrymen. If interested inquire at your dealer, or write direct for literature and prices, with name of your dealer.

Pagel Poultry Supply Co., Lock Box 211 Rockford, Illinois

Light Brahmas

The Leading Winning Line

Have won for years at Madison Square Garden, New York, Philadelphia, Boston, etc. Our strain combines the best exhibition and practical qualities. Write us your wants.

BALCH & BROWN : Manchester, Connecticut

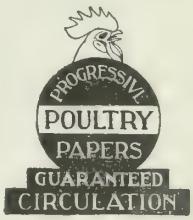
STOP! Golden--IMPROVED--Silver CAMPINES

Guaranteed pure white eggs that produce winning stock wherever shown. Owner and breeder of 2nd prize Silver Cockerel, Madison Square Garden, 1913. Breeding yards selected from over 500 Campines. Send for circular. **THE MARTLING HENNERY, P. O. Box 186N Ridgefield, New Jersey**

50c THE SIMPLE TRAP NEST 50c

Separates the drones from the layers. Made in a few minutes from a common box or egg case, by attaching the simple device I send you. A cheap, practical trap nest that cannot get out of order. Send 50c for complete printed and illustrated instructions and device for making your own trap nests. Nothing else to buy. **Geo. A. Blood, Bellwood, Ill.**

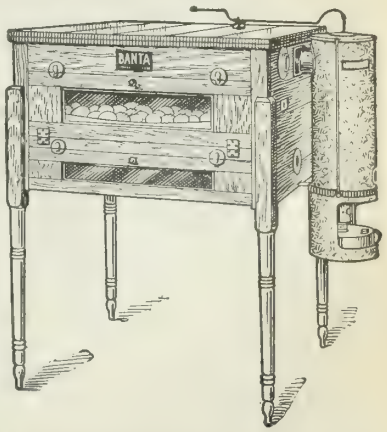
Get Acquainted



Modern advertisers rightfully expect the publications in which they **buy** space to guarantee and prove the circulation of each and every issue. Certain such papers are known as the **Progressive Poultry Papers.** Each publisher of such paper is progressively atriving to furnish their readers with live, scientific, up-to-date reading matter and agrees to prove his circulation, promote and protect the advertisers interests by refusing objectionable advertising. It will pay advertisers to get acquainted with these papers. For list of papers, rates and circulation information address

E. J. W. DIETZ
Publishers Special Representative
919 Advertising Bldg., Chicago

THE BANTA INCUBATOR



Highest Quality Produced

NONE BETTER AT ANY PRICE
CATALOG FREE ON REQUEST

The Banta & Bender Co.
600 Third Street Ligonier, Indiana

Black Langshans

Winners Grand Central Palace, N. Y., Augusta, Ga., Philadelphia, Pa., etc. Send for catalogue.

Dr. Peter Hicks, Bound Brook, New Jersey



Brown Leghorns

Champions of North and South. 14 of my 17 birds won at biggest Brown show ever held in America at recent Chicago show. Get eggs from my All-Star matings of First Prize Winners at Chicago, Cincinnati, Birmingham St. Louis, Indianapolis, etc., at reasonable prices and produce your winners like my customers are doing.

H. V. TORMOHLEN, R. 2, Portland, Ind.

Birds That Win

Matings of White Orpingtons and White Plymouth Rocks, composed of Cleveland, Akron and Wadsworth, Ohio winners. Write for the list. Satisfaction guaranteed. Stock, $2.00 and up. Eggs $5.00 for 15.

Oscar C. Nicodemus, Wadsworth, Ohio.

ORPINGTONS
INDIAN NONE WHITE BETTER RUNNERS
ROCKS

We Have a Big Proposition for You



If you want one portable house for keeping a few chickens on your back lot, or if you wanta number of colony houses, do not fail to write for circulars and prices on portable chicken houses. Many styles and sizes. Shipments made from coast to coast. Prices $9.00 to $50.00. Write for circulars to-day. Mention A. P. J.

The Lytle Lumber Company, Deshler, Ohio



COLORED LEG BANDS

Big Black Figures on White Background.

All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.

A. P. Spiller : Dept. A : Beverly, Mass.

Corning Feed Mixer



The most thorough, quickest, Mash and Grain Mixer made. It whirls the materials around, and back, and forwards, so that every particle is thoroughly mixed. Absolutely no other mixer to compare with the **"CORNING"** in any way, 3 sizes—**HAND POWER**, capacity 12 quarts, $15.90; **HAND** or **POWER**, capacity one bushel, $50.00; two bushel capacity **POWER MIXER.** $75.00. Every breeder of any size needs a real mixer, a Corning Mixer. It saves time, feed and money, and gives so much better results from your flock than you can secure in any other way. **ILLUSTRATED CATALOGUE FREE.** Write today.

WILSON BROS., Dept. C. C., Easton, Pa.

MADISON SQ. WINNERS



Over 43 prizes and specials in the Garden. 4 firsts on Rose and first on Single Comb Brown cock in one year.

The two best strains of Browns bred. They win. They are large and lay up to 242 eggs to a pen. Large eggs.

Breeding and show stock. Egg $2, $3 and $5 per 15.

Rose Comb White Leghorns—Large white birds, large eggs, 244 eggs to a pullet best record. Winners.

Single Comb Whites—236-egg strain. Plenty of white low-tailed cockerels.

White Wyandottes — Duston and Regal. Cup winners.

Barred Rocks — Bradley. S. C. Reds — Tompkins. Catalog.

W. W. Kulp, Box 70, Pottstown, Penna.

greatest breeders and well deserves the office.

* * *

We are often asked to give feed formulas for chicks, laying hens, ducks, etc. We have referred to these often, but cannot repeat copy every month. Much depends on proper feeding and growing and we would advise the breeders to buy a standard book on this subject.

* * *

The catalogue of W. R. Curtiss & Co., Ransomville, N. Y., is a regular textbook on feeding. They raise hundreds of thousands of chicks and ducks yearly and have made a particular study of this question. If you are interested in their varieties, write them for copy. They breed mammoth Pekin Ducks and White Runner Ducks, White Rocks, White Wyandottes, Leghorns and Reds, and make a specialty of baby chicks.

* * *

The Dune Alpin Farms, East Hampton, N. Y., specialists of S. C. White Leghorns, are mailing out their mating list. Their late winnings at the New York Palace Show, Hagerstown, etc., where phenomenal records were made, is late history of particular worth. They won their honors in great classes at great shows and the line has proven its quality for years. Mr. Kerr, the manager, has every reason to crow over his line and their records.

* * *

Some breeders need to prune their ads before the A. P. A. gets to them. It is foolish to make broad and unlimited statements that are "not" borne out by facts. Such advertisements will get them nothing.

* * *

One advertiser complains that two breeders and one judge (?) did not congratulate him at a certain show. How careless Old Josh Whitcomb said, "Once a man and twice a child." How true!

* * *

The Barred Plymouth Rock Club, Mr. H. D. Riley, Strafford, Pa., secretary, is preparing for the new club catalogue. The breeders want to enroll now to get into this. The club is in the best of condition and is doing splendid work all along the line.

* * *

The Williamsport Show will be held November 17-20, 1914. It is the First Great Show. Don't miss it. Mr. Jas. T. Huston is president and Mr. Geo. Hanks secretary.

REDS

R. C. Two 1sts and silver cup at Champaign. Won at Peoria and Bloomington, M. L.

W. F. GETZ Box 85 TREMONT, ILLINOIS

Plow the Yard



Every real poultryman knows how easy it is for the yard to get hard and sour. Don't you think it would do your chicks good if you would turn the soil over frequently? This

IRON AGE Wheel Plow

will do it easily. Costs $2.50 only. Can work in your garden with it, too. Plows in most soils, opens and covers furrows and ridges growing crops and you can use on it cultivating teeth, scuffle hoes, etc. Other Garden Drills and Wheel Hoes up to $12.00. Ask your dealer about them and write us for booklet, "Gardening with Modern Tools" and copy of Iron Age Farm and Garden News.

BATEMAN M'F'G CO. Box 1193 Grenloch, N. J.

KAUFMANN & WINDHEIM

R. C. REDS

NUTLEY -:- NEW JERSEY

OAT SPROUTER $2

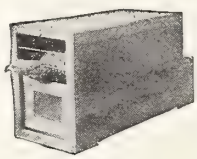
For $2.00, including heating apparatus, you can make the simplest, most efficient and satisfactory Oat Sprouter ever constructed. You can operate it with less trouble, less fuss and less muss than with any Sprouter sold. A 14 year old boy can build it from my exact directions, with no tools but saw, hammer and auger. Send 10c for detailed plans and instructions for building. **I. Putnam, Route 105, Elmira, N. Y.**

BUFF WYANDOTTES

EXCLUSIVELY

EGGS from four good pens of solid buff birds.

O. A. Browne, 2217 Latham St., Rockford, Illinois



Get "Warner's Way"

For Lice

Also, Chick Boxes, Trap-Nests, Shipping Coops, Exhibition Coops — in fact everything for the Poultryman. Send for catalogue.

Warner, "The Coopman"
River and Race Street
ALLEGAN :: MICHIGAN

168½ EGGS EACH

FROM 2000 HENS

That's what W. R. Thomas of Petaluma, Cal., received from his flock of hens in 1913. In 6 years use of the **Hogan Method** of selecting and breeding he raised the average from 100 eggs per hen to 155 in 1912, and increased 15 eggs per hen in one year.

He is only one of many.

The Call of the Hen

Tells you all about it

Send $2.00 to the Sonoma County National Bank, Petaluma, Cal., and get the book; return it after a week and get your money if not satisfied.

"The Complete Records of the 20 Best Baby Chick Raisers in America."

That's the title of a book we want to send you—FREE. It tells in an interesting way how twenty people solved the problem of raising baby chicks successfully.

These twenty live in different sections of the country and had to cope with varying conditions. Their stories are instructive therefore, as well as interesting. The book is FREE. Send for it today.

RANCOCAS POULTRY FARMS
Box 512-C Brown's Mills, N. J.

Buy Certified, Inoculated Black Orpingtons

No Roup! No Sickness! Success Sure!

From this day on we will offer all exhibition and breeding quality Black Orpingtons that have been treated by this wonderful serum and new treatment, which guarantees a sure preventive for roup and all kindred diseases that are the bane of the poultryman of to-day.

Write at once for new Mating List and circular describing above treatment.

A winning strain. Hundreds for sale.

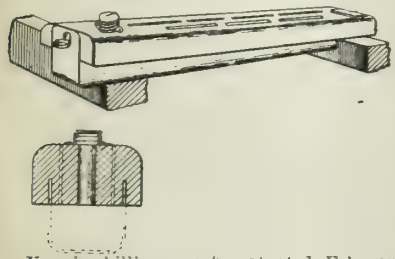
J. T. ADAIR, Black Orpington Specialist
Millersburg, Bourbon Co., Kentucky

Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.

THE Department of Agriculture, in a recent bulletin on "The Commercial Fattening of Poultry," states that: "The use of labor-saving mechanical devices has enabled one man to care for 4,000 to 5,000 birds." It states that a mixing machine is particularly a good investment when one is fattening a large number of chickens. Portable feeding batteries, spraying machines, and racks for hanging dressed poultry are among the devices the Agricultural Department's experiments stations have used to advantage.

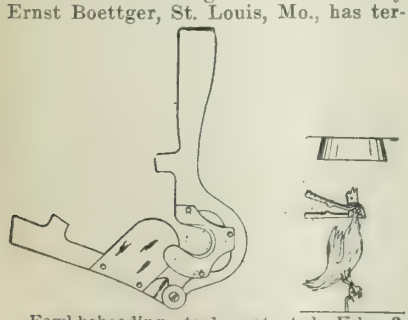
Among recent devices patented by individual poultrymen the country over there are a number of especial interest. A poultry perch invented by Bick R. Bonney, Kansas City, Mo., has a trough or reservoir member connected with it for the storage of lice killer, exterminating fumes from which are



Vermin killing roost, patented February 10, 1914, by Bick R. Bonney, Kansas City, Mo. No. 1,087,079.

communicated to the fowls while they are at roost. The wooden tread member has slots extending through it to the reservoir containing the liquid lice killer. Vermin on the fowls and around the roosts are exterminated by the use of this device. The reservoir may be removed by simply turning ring bolts which extend through slots at its ends, when it needs to be filled or cleaned. Patent 1,087,079.

A fowl-beheading tool devised by Ernst Boettger, St. Louis, Mo., has ter-



Fowl-beheading tool, patented Feb. 3, 1914, by Ernst Boettger, St. Louis, Mo. No. 1,085,793.

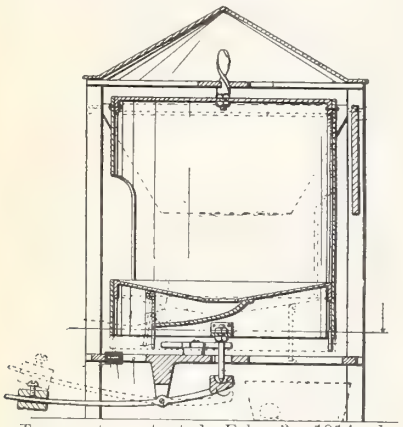
minally hinged handle levers and blades with curved cutting edge. The neck of the fowl is received in the pocket between the open blades. The operation is clean and rapid. The cutting edges of the pair of blades are shaped so that the device cannot fail to perform its functions properly. The inventor considers his mode of operation a more humane one than the ancient ax and chopping block, besides the fact that scattering of blood is avoided. Patent 1,085,793.

A new Trap-Nest made its appearance recently. It is the invention of Frederick J. Carlson, of Chicago. In one respect in particular it is a marked departure from previous trap nests. The poultryman is notified by means of an electric bell which may be placed in the house, connected by electric wires to the nest and the alarm—or notice—given, when the hen has laid her egg and wishes to leave the nest. When it is desired to keep track of the eggs, a pen or coop is provided on the side of the device next the right hand side of the figures so that a hen upon leaving the nest must pass into such a coop. After the egg has been marked for identification the hen may be released from the coop. In operation a hen enters a tubular casing disposed within the main frame of the nest, through an opening, and the nest mem-



Red Sussex are coming to the front with great strides. Good specimens are worth a lot of money and the demand is far greater than the supply. "Dairy King," whose picture we show above, is a direct descendant of the first prize male at the Dairy Show, London, England. He is a superbly colored bird and has all the earmarks of developing into a winner. The picture shows the bird just as he appears in the yards of the Red Sussex Farm at Marysville, Mich., where he heads one of their many fine pens. The breed looks very good to me and I believe will make good.—L. Stahmer.

ber is rotated on its axis by means of the weight of the hen pressing downwardly and actuating a pivoted lever. When the nest member has been rotated by an auger member for a half turn it reaches a stop where the nest member remains stationary until unlocked by an egg passing through a passage that releases the stop from its engagement or until the hen leaves the nest. The stops are adapted to be disengaged upon opening of the door of the nest, permitting the continuation of the rotation of the nest to the end of its forward rotary movement when the hen enters. The weighted lever supporting the nest causes a reverse rotary movement when the hen leaves the nest. A contact member of the electric switch, engaging with a co-operating contact member serves to stop the rotation of the nest member after the hen has entered the nest. Patent 1,085,663.



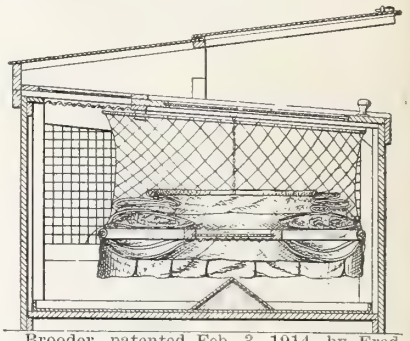
Trap-nest, patented Feb. 3, 1914, by Frederick J. Carlson, Chicago, Ill. No. 1,085,653.

A boot for animals, including poultry, is a rather unique invention. It is not for the purpose of keeping their feet warm, however. The object of the inventor, Lawrence Clarke Tipper, of Birmingham, England, is to provide a foot covering to contain some ointment or other medicinal compound or substance for the treatment of animals or poultry having diseased or injured feet. An antiseptic pad or dressing is contained within the boot. A bag or pouch having a cord passed through it at the top of the device affords means for securing it to the leg of the injured one. Patent 1,087,054.



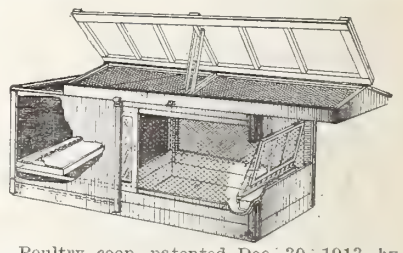
Boot for animals, including poultry and other birds, patented Feb. 10, 1914, by Lawrence Clarke Tipper, Birmingham, England. No. 1,087,054.

An improved fireless brooder for chicks has been patented by Frederick W. Hammer, of Yale, Ill. In his device the chicks are controlled—perhaps the word "persuaded" would be better—by the lighting arrangement, to go to the hover. Chickens naturally seek the light, and in this device light is admitted to the hover for the chicks while other portions of the brooder are darkened. The brooder has a central light-admitting opening in its top, a cone-shaped member in the hover for preventing the chicks from crowding, and curtains and means for raising them to prevent light entering the space in the brooder outside of the hover. This method of managing the chicks greatly lessens the labor of the attendant since the chicks will not have to be handled and placed in the hover at night, or at other times. All that is necessary is to raise the curtain and the chicks will then assemble under the hover of their own accord. Patent 1,086,045.



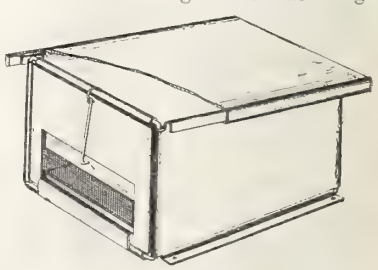
Brooder, patented Feb. 3, 1914, by Frederick W. Hammer, Yale, Ill. No. 1,086,045.

Edgar W. Philo's interesting Poultry Coop, mention of which merely was made last month, is shown in the accompanying illustration. The excellence of the illustration makes detailed description of the Elmira, N. Y., inventor's coop unnecessary. Patent 1,083,029.



Poultry coop, patented Dec. 30, 1913, by Edgar W. Philo, Elmira, N. Y. No. 1,083,029.

A collapsible Chicken-Coop has been invented by Johnson B. Welch, Stockport, Iowa, and a half interest in the patent rights sold to Arthur R. Hiatt, of the same city. The coop may be packed in compact shape for transportation or storage. It has hinged sides and ends in combination with a removable top or roof. The bottom is also removable. Slidable doors, one solid and one screen door, are features of the device. Patent 1,087,414.



Chicken coop, patented Feb. 17, 1914, by Johnson B. Welch, Stockport, Iowa. Half interest sold to Arthur R. Hiatt, same address. No. 1,087,414.

DUPLEX COLONY BROODER CO.
Rockford, Illinois

Gentlemen:-

Please ship me another No. 1 Duplex to reach me before the 20th of this month. The one I have certainly is doing the work. I have had 400 chicks around it for 3 weeks and they are larger and better than any chicks of the same age I ever had. I have not lost a chick which I am willing to charge to the stove although seven which never should have reached the brooder house have been picked up.

The stove certainly does all you claim for it. I had some misgivings regarding your claim about the wind not affecting it but the burner has not overflowed once since I have had it going and I am no longer afraid of fire. I have perfect confidence in the stove and can go to bed feeling that my chicks are perfectly safe. If you had gone through my nerve-racking experience of last year of staying in the brooder house until 11 or 12 o'clock and several times until two in the morning, you would appreciate my feelings toward the Duplex. I would not trade it for a dozen ——— stoves.

I hope you sell thousands of them this season as it will mean success with a large "S" to every breeder who buys one.

Thanking you for the prompt and careful attention you have given me thus far and trusting there will be no delay in getting the second stove to me, I beg to remain

Very sincerely yours,
POLO LEGHORN YARDS.
Polo, Ill. Prop.
March 8, 1914.

White Diarrhoea Vanquished

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(Send for leaflet telling just what White Diarrhoea is and how to prevent it. Its Free)

This wonderful method of brooding not only does away with all danger of White Diarrhoea but positively saves you ninety per cent of the labor and seventy five per cent of the operating expense. It can be installed with less expense than any brooding system now offered and will raise enough more chicks out of the first hatch to pay for itself.

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are simple to operate and require practically no attention. No ashes to shake down and carry out. No smoke, fumes or coal gas can get into the brooder house. Automatically ventilates the brooder house without draught or loss of heat. Heat automatically held at the desired temperature. Any possible temperature change taken care of immediately without attention from you. Burns the cheapest kerosene oil and brings chicks up to twelve weeks of age at from 1½ to 2c per chick, for fuel.

Time Is Getting Short. If you need new equipment, if your present equipment is not doing the work, telegraph your order and we will ship C. O. D by express and make you freight allowance. No need to let White Diarrhoea drive you out of business. If you will write for our free catalog we will send with it a leaflet telling just what White Diarrhoea is and why the Duplex System does away with it.

Get Free Book Write for catalogue today.



Book fully describing method of feeding and caring for chicks in colonies sent for 50c. Refund coupon sent with each book. Plans for brooder house [state No. chicks] 10c in stamps. Catalogue free for the asking.

The following prices are freight paid east of the Rocky Mountains Liberal allowance on stoves shipped west of them.

500 to 1500 Chick Size — $27.50
Stove and asbestos covered ventilator pipe $1.50 additional.

100 to 800 Chick Size— $23.50
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50 to 300 Chick Size— $19.50
Stove and asbestos covered ventilator pipe 90c additional.

All stoves shipped on day order reaches our office.

Duplex Colony Brooder Co., Box 500, Rockford, Ill.

THE ASCENDENCY OF ART.

By H. V. Tormohlen, Portland, Ind.

BLISS CARMEN has written a book, "The Friendship of Art," the philosophy of which I have greatly enjoyed. Nevertheless I have always been more or less skeptical about the place art, with a question mark after the word art (?), held in relation to the thorough or standard bred poultry industry. Much ink has been spilled over the question of having photographs taken and retouched by "artists" and others until it finally resolved itself into a hand-to-hand combat similar to the Mexican situation.

The knockers have been many. They have been loud in their demands that "chicken pictures should be taken just as they are and not faked a bit." The poultry artists of this country have been working quietly on, never resenting the insinuations of an ignorant public, until finally one morning the poultry public awoke to the fact that it was the poultry artists of this country, the real truly great poultry artists of this country that were the ones that were really taking the pictures just as they were and presenting them to a critical public unfaked, and that the unknown and unheard of local photographer was the one that was doctoring up the poor pictures and really doing the faking.

While at the last Chicago show I got the final scales pulled off my eyes in this respect when I slipped back through the coop storage room to where the three Ss, Sewell, Schilling, Stahmer and one or two other artists were photographing the birds. I had always been of an inquisitive frame of mind, and here now, thought I, will I quietly get onto some of the "tricks of the trade." Soon I not only became interested, but I became absorbed. I found them photographing at 9 o'clock in the morning, and here it was 3 in the afternoon before I realized it was past lunch hour. I learned what some of the "tricks of the trade" were all right, but I found they were not what I thought of finding.

The men engaged in the poultry industry in this country, beginning at boyhood and sticking to their knitting straight along for a score or more of years, are far and few between. Most of them have taken it up as a fad some time or other and gradually drifted into it.

But here I found among the artists men who had spent a lifetime, every minute, every hour, studying and working to become more proficient in portraying fowls in lifelike poses. Men raising chickens can devote an hour or two a day to their fowls and get fair results, but here were men so deeply engrossed in their work that it necessarily consumed them until it took every minute of their time; had taken some of them to Europe in their quest of knowledge, regardless of finances, until, as Mr. Sewell related, on his return the first time he barely had enough to bring him back. This is the kind of stuff these men are made of. They have staked their all in perfecting themselves to portray fowls. This is the difference between an artist and an artisan. The artist stakes his all and works for the pleasure of working, while the artisan works to profit by his labors, regardless of results.

I found Mr. Sewell and Schilling taking photos side by side in a little noisy room where the birds were being attracted every minute by the dozens of street cars passing as they can only pass in Chicago. A bird would be brought in, flopping and cackling in a hysterical way, but in a minute or two the most nervous bird in the hands of these gentlemen would be as quiet as if in a sleep.

Patience and kindness are personified in these poultry artists and this I found to be one of the tricks, but so legitimate that few of the laymen would care to use them. It was a gentle rub and a br-r-r-r and a biz-z-z-z and a tickle under the throat and a pat on the back, but never a quick or excitable move that made these works of art a reality.

It was amusing to see and hear the





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Eggs this spring from the best bunch of breeders

DUSTON ever put up.

My pens are a marvel of quality. Superb shape and that natural glistening white color my winners are noted for. Send for my mating list which tells in a frank conservative way of them, and my win at New York, also some strong testimonials. It's free. You get from the the same pens I set from. Have a quantity of males and females I can mate that will produce you winners. Beautiful Catalogue for 15 cents.

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Dealers Wanted The demand for these novel leg bands has increased enormously. We have an attractive proposition for wholesale buyers.

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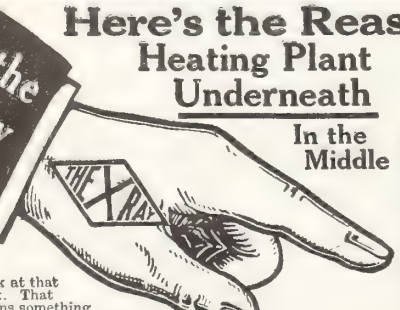
Order your leg bands direct from this advertisement, stating sizes and colors wanted, and write now for our 1914 catalogue of Poultry Supplies and Uveca Baby Chick Food. Ask for Catalogue No. 61.

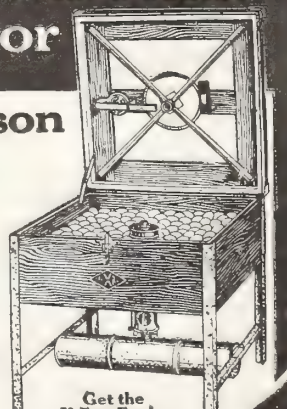
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performance of Louis Stahmer and A. C. Hawkins. I came up and heard them fussing in this friendly fashion:

A. C. H.—"Aw go on away, Stahmer and let me pose a bird once. You know you never got a picture of one of my birds as good as the bird really was in your life. Stand back there, Louie, I say, and you snap the picture when I pose the bird. I'll show you how a Barred Rock really ought to look."

L. S.—"Well, Mr. Hawkins, pose the bird yourself once."

A. C. H.—"Snap him, Louie. Snap him I say. Now why didn't you snap him when I said?"

L. S.—"Why, that wouldn't make a picture worth looking at."

And so it went back and forth for some little time and the poses Mr. Hawkins, the veteran Barred Rock man, the past master at training birds to pose in their coops, got more amusing and frightful to behold. Mr. Hawkins was insistent for some time that he could pose a bird as good as any d—— artist, but it wasn't but a few more minutes until he saw his folly and gave up in disgust with the frank admission:

"Well, do it yourself, Stahmer; that is what you are paid for."

With that Mr. Stahmer took the excited bird and in quicker time than I can write it had him in poses the like I had never beheld before and that I had always thought impossible and faked. It was all in knowing how.

These portrayers of birds as they are are so faithful to their trust of getting the best there is in the bird out that the way they waste exposures is a "fright to behold," in everyday parlance. With their loaded film packs they keep on pulling out and snapping and snapping and snapping on the same bird for as high as a dozen exposures. Generally the second or third exposure would be A-No. 1, but they are not content, and all unmindful of the high cost of living and the kodak trust, keep making exposures by the dozen until after two days' work the floor where these men had worked was thick and deep with these little black slips of paper, 5 by 7 inches, each one representing an exposure.

The rapidity, patience and quietness of their work was amazing. Mr. Harrison was having a number of birds photographed—a dozen or more, I should judge. Just as fast as a man was bringing them up Mr. Schilling was taking a half dozen to a dozen exposures of these Red pullets. Said I to Mr. Schilling:

"Don't you keep a note book and number these exposures and put down the leg band numbers so you can tell one bird from another? I would think after developing several of the same bird and eight or ten birds' pictures at the same time you would get confused."

I had taken into account how I could tell all my birds apart and thought I was quite smart in stating to visitors that I could tell every bird on the place like an acquaintance but I could not see how these artists could tell one bird from another when taking several pictures of the same bird and a number of birds just alike and never seeing the bird but for a few minutes while photographing them.

Mr. Schilling gave a story as an example in answer to my question. He stated he identified a bird after photographing it five or six years back and

that he never forgot a bird after once photographing it. This I deem very remarkable to say the least.

After watching the January and February poultry journals I was more convinced than ever that the real poultry artists of this country were being grossly mistreated in being criticized as they have in the past. Here they were in the January and February numbers—pictures that I had seen taken and every feather just as it was taken. There was the identical bunch of dried flower stocks that Stahmer had picked up in a corner of the Coliseum from some flower show to make the photo realistic and in every one of these Chicago photos could be seen the dried up flowers that made the photo look like it had been taken in a fence corner somewhere miles away from the city. I was convinced beyond a doubt and forever after will I champion the cause of the men who are devoting their lives to faithfully portraying the best that are in our fowls. To be convinced yourself turn back to January and February numbers of American and note how many Chicago winning birds have that same background. Mr. Stahmer, being in his home city, with opportunity to develop his work rapidly had these same pictures showing them about the show room in a few hours after they were taken. The proof of the pudding is in the eating and many of the boys at Chicago, like myself, shrugged their shoulders and gave up and were convinced that it was in the know how in taking rather than doctoring afterwards, for here Mr. Stahmer was showing a dozen or more taken the day before and which it was a physical impossibility to retouch all before he brought them back to the show room, perfect, for our inspection.

H. V. Tormohlen.

Portland, Ind.

———o———

Vineyard Haven, Mass.,
March 20, 1914.

American Poultry Journal,
Chicago, Ill.

My Dear Mr. Bell:

I want to thank my friends and fellow members of the American Poultry Association who cast their nominating ballot for me for the office of member from Massachusetts of the Executive Board of the American Poultry Association. I hope some day to run for this office and ask their support. Colonel Bryant has been a very valuable member of the Executive Board the past three years, prior to this time serving as president of the association for four years. I for one thoroughly appreciate the splendid work that he has done.

My friend, A. C. Hawkins, of Lancaster, Mass., is running for election to the board. I know that he will make a very valuable member and he well deserves this honor from his fellow members of the American Poultry Association, and I believe that Colonel Bryant will be willing to stand aside after his many years in office and allow Mr. Hawkins to be elected. I hope that my friends who voted for me on the nominating ballot will cast their vote for Mr. Hawkins on the election ballot. Fraternally yours,

Maurice F. Delano.



Thirty-eight Campine cockerels were entered in competition at the recent Coliseum Show at Chicago. The class was brim full of quality. First honors were awarded to one specimen which may well be considered a fashion plate at this stage of Campine breeding. He was bred on the Silver Campine plant of F. E. Hering, South Bend, Ind. This splendid male is about the best shaped cockerel we have ever seen. He carries his tail at a reasonably low angle, his color is superb, with green lustre and clear, snappy, white pencilings beginning well under the throat and carrying this quality throughout into the ends of a well furnished tail with flowing sickles. In these qualities Mr. Hering's males seem especially to excel. They will beautify the breed to a large extent.—A. O. Schilling.

Judge W. R. Graves and Wife.

The Stratford Farms, located at Roselle, Ill., have the pleasure of announcing to the poultry world that they have purchased the stock and good will of those famous White Rock and White Wyandotte breeders, Judge W. R. Graves and his wife, Mrs. S. H. Graves.

They also made arrangements whereby Mr. Graves assumes the management of the poultry department. As judges and breeders the "Graves" are known wherever poultry is raised, and Stratford Farms are indeed fortunate in securing their wonderful stock, together with their services.

If there is a man who knows the ins and outs of the poultry business that man is Judge Graves. Mrs. Graves, we believe, is one of the greatest poultry experts in the country. In their new venture the best wishes of the American Poultry Journal go with them. If you are interested in White Rocks or White Wyandottes, write them, for they have the goods, they can and will satisfy you. Address Stratford Farms, W. R. Graves, Poultry Mgr., Roselle, Ill.

WHITE **ROSE COMB LEGHORNS** BLACK

My Birds win at the Greater Buffalo show, 1st and 2d ckls., 1st and 2d hens, 2d cock, 3d and 4th pullets, 3rd pen. Silver cup for best display. Stock for sale. Eggs, $5.00 per setting. A. F. Almendinger, 61 Inwood Place, Buffalo, New York.

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See whole interior thru double-double glass top. Tank holds month's supply.

One Filling to a Hatch

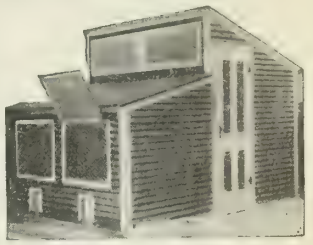


Regulator adjustable to thousandth of a degree, acts on flame; double heating system uses all the heat—none escapes, none wasted—hatches on one gallon. Automatic ventilation. Egg turning semi-automatic. Roomy nursery, thick wood case, enameled mahogany steel covering. Anyone can use it. Big hatches certain and cheap. Low direct prices. Send for Catalogue No. 16

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With this house your fowls are insured of vigor, better health, better egg yield, better fertility. You will have more hatchable eggs, more and better chicks, greater vitality and better growth in young stock, less danger from disease germs and comparative freedom from disease, thereby assuring greater profits.

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SICILIAN BUTTERCUPS.

By Alfred H. Dupree, Sayville, N. Y.

AS a breeder of Sicilian Buttercups, I write this article with several purposes, to show fairness to the breed, fairness to those who will take up the breed in the future and to give to other breeders my ideas after a careful study of the breed.

From what I have read upon the subject and from my experience in purchasing stock in the past and seeing the birds exhibited at the recent shows, it is beyond question that there have been in the past as many different characteristics in the different strains as there have been prominent breeders. This is apparent from the shape of the comb, the color markings and type in both males and females.

At the recent great exhibit of buttercups at the Grand Central Palace Show, New York City, in December, 1913, where there were 171 entries, it could be plainly seen how much at sea the breeders of Buttercups had been in not having until recently a standard of perfection to breed to. The divers markings and types seen at the shows are not to be wondered at when it is taken into consideration that there has been but one breeding season since January, 1913, when the first standard was adopted.

To put it in simple and concise language, the standard called for a buff bird spotted on the back, wings and sides of fluff with clearly defined black spots in the females; males to be brilliant red with black tail and sickle feathers, wing flights black and reddish brown; ear lobes red predominating, color of eye reddish bay, comb cup shape, shanks green. Specifications on shape of different parts were expressed as either "medium" or "moderate." The most noted specification on shape was in males "back sloping downward from shoulders, tail carried preferably at an angle of 45 degrees." In the female "back sloping downward from shoulders, tail well spread." For the full standard see First Annual Catalogue of the American Buttercup Club.

When the standard came out, what a lot of studying, perplexing, guessing and cussing it must have made for the different breeders when they picked the birds for their pens that were to produce the birds to adorn the show rooms of the past year. Well, the only thing for those to do who had no birds having the desired black spots was either to get some birds from a breeder who had them, or to mate up his birds so as to get the other qualities as best he could.

I have seen birds with penciling or lacing that have been winning prizes all over the country and at some of the fairly large shows. But at the last Palace Show the best breeders were there with their birds, and all the birds that were awarded a place merited the award and there were a lot of good birds that were not up with the first five. Well, in a class of fifty-six pullets there were without doubt five that were as near the standard as are produced in the world and likewise in all the other classes, each of which was large, the smallest in number being the exhibition yards with twenty entries, a very large class event.

Buttercups are not alone an exhibition bird; far from it in fact. I have found them to have great stamina, being free from disease. The male birds are very gallant. A cock bird that I have will attack me most ferociously when I catch a female in his yard. The stamina in this breed make them naturally good layers, and there is a fortune for the right man who takes up this breed and trap-nests them, thus procuring a tested and reliable laying strain. If this were done, I believe that this breed would out lay any other breed. I have kept a number of different breeds in the past but the Buttercups I find supreme in the quantity and quality of eggs produced. These birds are unlike Leghorns, being plump as partridges, having small bones and meat tender and juicy. They have a lot of meat on breasts and in this way are similar to the games. They are gentle and tame, and become great pets due partly to their disposition and partly to the fact that they are so interesting with their cup-shaped combs and pretty markings, both in male and female.

Owing to a little dispute as to what the wording of the standard adopted January, 1913, should have been in respect to comb of male and owing to the indefinite and incomplete wording in respect to color of female, the standard was revised at the American Buttercup Club meeting held in connection with the Palace Show, New York City, in December last. This standard, at the present writing, February, 1914, has not yet been given to the public, but from the news gathered at the Show, it was generally understood that the shape of comb would be as understood generally from the reading of the old standard, cup shape with erect serations; following the illustrations by O. W. Shilling published in the American Poultry World of November, 1913. The markings of the female are to be

Famous Poultry People

Whom You Know

The Stratford Farms take pleasure in announcing to the poultry world that they have secured the stock, trade and good will of the famous experts and breeders, Judge W. R. Graves and Mrs. S. H. Graves, breeders and exhibitors of White Rocks and White Wyandottes.

In making this deal, we were also fortunate enough to secure the services of Judge Graves as Manager of our Poultry Dept.

This means that our former patrons and prospective customers will be furnished with the "Graves World Renowned Blue Ribbon Strain" fowls.

Mr. and Mrs. Graves as breeders and judges are known by all poultrydom—they have judged at most of the leading shows and Mr. Graves was one of the judges at the World's Fair.

Just write your wants. They will give you their personal attention and will only be satisfied when you are.

Our farm has excellent shipping facilities, being located just 24 miles from Chicago on the C. M. & St. P. R. R.

Write Today—We have the Stock and can satisfy you.

STRATFORD FARMS

W. R. GRAVES, Mgr. Poultry Dept. Roselle, Illinois

the same as before but calling for black spots or bars.

If the breeders will stick to this black barring in the females, it will not be many seasons before a most beautiful bird will be developed. This will be the keynote to the success of the breed, and the future Buttercup females will be nicely barred and this barring should and probably will have a green sheen to it. In a few years the Buttercups of today will be nothing compared with the Buttercups of tomorrow both in beauty and utility. Keep the breed large and vigorous; give it beauty; and success is ours.

I am anxious to see this worthy breed admitted to the American standard of perfection, and another demonstration such as that at the Palace Show ought to do it. Let the artist who draws the illustration for that standard study the breed and put the standard as high as is possible to be attained. L. D. Howell, secretary of the Palace Show, in his talk before the A. B. C., said that he did not know of another breed where the possibilities were greater than with the Buttercups.

To those starting in with Buttercups, my advice is get the best that money will buy. Be willing to give a fair price for good stock or for eggs from good stock. To those already breeding Buttercups and wishing to improve their flock, my advice is to introduce new blood either on the female side by procuring some well marked hens or pullets, or, if you can rely upon the party with whom you would deal and you are convinced that he has good stock, by purchasing a cockerel. It is harder for the inexperienced to tell a thoroughbred cockerel from its markings than to tell a thoroughbred pullet.

The demand for good stock is greater than the supply especially for hens and pullets, and there is a great demand for eggs for hatching.

This valuable breed has been in this country for a number of years but with no one to herald their qualities until recently when they have just been brought to the notice of the poultry world. The American people have not been slow to appreciate the merits of this fowl and the breed is gaining in favor very fast. Why is it? It is because there is a demand for a breed that will combine the utility and the fancy and moreover be hardy.

BUFF MINORCAS.

As a new creation, Buff Minorcas are being given much attention, and are becoming very popular. They are among the first to come to the front in so short a time as the latest standard breed. Of course, there's a reason. While the originators were ten years making and perfecting them to standard requirements they are now a standard breed, having been entered in the American standard at the last American Poultry Association meeting. And being solely an American creation makes something we should be proud of. They are great layers and will add much to the uplifting of the poultry business.

Buff Minorcas are identically the same shape, size and character as the black and white varieties. Their color being the same as all other buff breeds, a beautiful buff to the skin, and breed as true to color as any buff fowl. It is doubtful if ever a new variety has



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THE RIGHT BOX

The most satisfactory box for shipping chicks. It has adjustable ventilating regulator which meets varying weather conditions more satisfactorily than any other device. Chicks do not trample, smother or get chilled. Made of double, reinforced corrugated cardboard—it is

Strong—Simple—Safe—Sanitary



The New Wright Egg Box is the strongest and lightest package for shipping hatching eggs or fresh table eggs. Easy to pack—each egg has absolute protection—cannot shake or jar. Both chick and egg boxes are shipped to you flat and are easily set up and packed for shipment to your customers.

Write today for Free Booklet describing The Wright Boxes for shipping chicks and eggs.



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A. E. Wright, Supt. Box 53 Farmingdale, Long Island, N.Y.

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are made to meet the demands of poultrymen who hatch from 500 to 1,000 or more at a time. This stove brooder is made of heavy cast iron, is durable, substantial and portable. Chicks cannot hover underneath. Burns hard coal at a cost of about 7 cents a day in ordinary weather.

Hover space provided by re-inforced galvanized steel canopy which is hinged in center to allow operator ready access to all parts. Will last a lifetime. **Price $30.00.**

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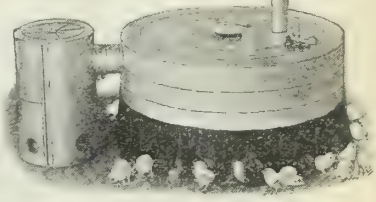
Made of galvanized steel. Designed to fill every requirement of those who brood flocks of 50 to 100. Fire-proof, positive ventilation, automatic regulator. Burns one pint of oil in 24 hours. **Each $8.50.**

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S. C. White and Brown Leghorns

Having been bred for 14 consecutive years, represented all over the world, they stand today without an equal as egg producers, the foundation upon which all branches of the poultry industry hinge. We have been shipping our

S. C. White and Brown Leghorn Day-Old Chicks and Eggs for Hatching

to all parts of the United States and foreign countries for ten years, and during this time we have shipped over 1,000,000 chicks and 800,000 eggs for hatching, and we have yet to find one displeased customer, a record attained by very few. Before placing your order, write today for our illustrated catalogue, and read what thousands of our pleased patrons say in regard to the **World's Greatest Layers.** **"Better Be Right Than Sorry"**

S. C. White and Brown Leghorn Chicks, $15 per 100

WAYNE POULTRY FARM F. W. CHRISTIE, Prop. **Box 71, STONY POINT, N. Y.**

been offered to the public that was as perfect in this respect. Color of skin a pinkish white; eyes a dark hazel; legs a pinkish white. They are considered to lay the largest and whitest eggs of all varieties; eight Minorca eggs weighing as much as the average dozen, and bringing from 2 to 3 cents per dozen more on the market than all others. Combining all these good qualities with the buff color simply puts the Buff Minorcas in a class by themselves, and a breed that's going to mean much to all who take them up early. They mature early, making the finest of table and market fowl.

O. K. Hobbs.

Hickory Grove, Ky.



Cramer's Red Feather Poultry Yards, Eagleville, Mo.



The above is F. S. Smith, of Hamilton, Ohio, the largest exclusive Single Comb Buff Leghorn Breeder in the world. He is in position to ship thousands of eggs and thousands of day-old chicks at this time.



Cut made from unretouched photo.

Black Orpingtons, when they are bred right and have the type that is prescribed for them, are a truly fine variety of fowls. The above hen, winner of first prize and championship at Indianapolis, 1914, is an exceptionally fine specimen of the breed, and comes as close to Standard requirements as any I have handled. Her sons and daughters are distributed in the many fine pens the Wild Rose Farm, of St. Charles, Ill., have mated for the season, and their catalog is well worth sending for.—L. A. Stahmer.

THE CHICKEN MAN AND THE GARDENER.

I WOULDN'T have missed it for worlds,'' said the chuckling man as he hurried down stairs.

He had just been looking out a rear second story window. That was why he chuckled. His home is on a street in a newly developed section of—, well, an Ohio city. From a rear second story window he can see into the back yards of two neighbors who live on the next street.

One of these neighbors has a chicken yard at the back of his home, and the other had last spring a garden full of nice, green sprouting things. And when the chuckling man first looked out his rear second story window this particular spring day, the man with the garden was hoeing among his green sprouts.

As the man in the window watched, a chicken strayed from the other neighbor's yard into the garden, pecking among the green sprouts. The man with the hoe suddenly held the tool poised, waiting. Nearer went the chicken.

Zip! The hoe cut off the chicken's head with one sweep. In the next instant the man had the chicken covered with earth, and was continuing his hoeing.

Another chicken strayed into the garden. It got within reach of the hoe, and—zip—it's head was gone, and it was buried. And the man in the window chuckled and chuckled.

He knew now why the man with the chicken yard was always complaining that his chickens decreased in number most mysteriously.

The chuckling man, as he ran down stairs, had one idea in mind. That was to get to his club and tell the story. For both the man with the garden and the chicken yard man belonged to that club, too, and—

''Great Caesar! What a story for the boys!'' the chuckling man chuckled as he hurried along.

He reached the club, and as he entered, another man whom he knew as a chicken fancier and an authority was talking to several men grouped around.

''Yes,'' this man was saying, ''I have given up all breeds but my Anconas. I'm going to stick to them. They're remarkable chickens. They're the greatest layers in the world. I call them 20th century egg machines. They present a handsome appearance, are hardy, and they—''

''How big are they?'' put in a listener.

''A little larger than Leghorns,'' said the fancier. ''Hens weigh about four pounds, males about five. The medium size is the best layer, and as they are essentially an egg-producing fowl, the medium size is the right size. I've experimented with eight or ten breeds, as you fellows know, and I never saw anything like the Anconas for laying eggs—large white eggs, they are. They lay eggs when heavier breeds would be setting.''

''I understand Anconas gradually are

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By feeding raw bone. Its egg-producing value is four times that of grain. Eggs more fertile, chicks more vigorous, broilers earlier, fowls heavier profits larger.
MANN'S LATEST MODEL Bone Cutter
Cuts all bone with adhering meat and gristle. Never clogs. 10 Days' Free Trial. No money in advance.
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Winners in the leading shows of the middle-west. A few birds of extra quality for sale. My first pen of Silver Wyandottes is headed by Silver King, undefeated champion in strong competition, at five of the best shows ever held in Illinois. Eggs from specialy mated pens, $5.00, $4.00 and $3.00 for fifteen, book your order early, will only furnish a limited number of settings. Mention American Poultry Journal.
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White Rocks, S. C. White Leghorns, White Runner Ducks. Capacity 100,000 annually. Vitality Chicks and Ducklings $10.00 per 100 and up. Eggs $5.00 per 100 and up.
Fine Illustrated Catalogue Free.
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It explains the Schwalge System of Hot Air Mammoth Incubator Sections.
It will show you the most practical modern method of incubation.
This machine has been thoroughly tested and tried in the experimental stage and one of them hatched over 5,000 duck eggs last season.
SCHWALGE BROS. & SMITH, Box 100, Elmhurst, Ill.

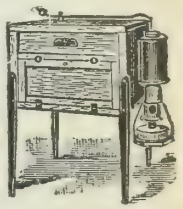
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The Great Repeat Order Incubator

"The New Buffalo"

"Prove all things and hold fast to that which is good."



Mr. A. M. Faivre, Greenville, Penna. on Feb. 6th, wrote: ''Please send me another No. 3 Buffalo Incubator. I have used the Buffalo for some time, and when it comes to hatching eggs, she is head and shoulders above other makes.''

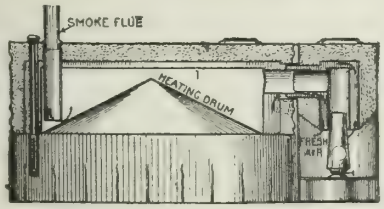
Mr. Howard C. Miller, Gilbertsville, N. Y. ordered one No. 3 Buffalo in December 1913, another in February 1914, and two more in March.

March 13th, Mr. W. S. Haywood, Ellington, Conn., wrote:— ''Please send me at once a No. 1 Buffalo Incubator and a Handy Hover. I could have bought a Standard machine at home, but the Buffalo owned by Mr. Lesley Sadd of this town hatched over 90 per cent of my eggs last year, and the chicks were certainly splendid.''

On March 19th, Mr. Sadd ordered another Buffalo for his own use.

On the same day repeat orders were received from Mr. C. E. Scott-Warring, Saratoga Springs, N. Y., Mr. Charles Gerber, Webster, Mass., Mr. George A. Breed, Supt. for Hon. Joseph H. Choate, Stockbridge, Mass., and Mr. Sam Faloon, Kensington, Ohio, who was in with his fifth order since 1912, and who says ''I wouldn't trust my eggs in any other.''

There can be no argument that would better prove the success of the New Buffalo



Buffalo Handy Hover 100 Chick Capacity

BUFFALO HANDY HOVERS

The Buffalo Handy Hovers are just what their name implies.

Lake Delaware, N. Y., May 3, 1913.
Buffalo Incubator Co.,
Gentlemen:—I am more than pleased with the Handy Hover which came by express, and want two more. I also enclose you my check for three Colony Brooders which please forward by freight at once. WALTER RINGHOHN.

Ransomville, N. Y., May 10, 1913.
Buffalo Incubator Co.,
Gentlemen:—We want fifteen or twenty Handy Hovers for our own use to use in addition to our present brooding system. The Handy Hover certainly does well for our customers. The results are just as good as from hovers costing more money, and the Handy Hover is the most convenient and economical to operate. W. R. CURTISS & CO.

Send postal for fuller description.

BUFFALO INCUBATOR CO. CHAS. A. CYPHERS, Pres.
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supplanting all other breeds on large eastern egg farms. I should think they would. On account of their hardiness, the general fertility of their eggs is strong. I've known eggs shipped 3,000 miles to hatch 90 per cent and at home or nearby eggs often hatch 100 per cent. You can't beat that, you know.''

''Although they lay many more eggs than larger breeds, they don't eat as much. They require little attention to produce eggs. You don't have to cook and mix hot mashes for Anconas, or try to force eggs. They get along finely when confined, and cold weather seems to have practically no effect on their egg production.''

''They say they're wild,'' said a man who knew a little about chickens.

''Well you can keep them in a five or six foot fence. I wouldn't call that wild,'' returned the fancier. ''In fact, mine are very tame. I'm for them on that account, because my wife and children like them.

''Yes, sir, Anconas are the chickens to have. Rose or single comb, they lay eggs as no other chickens do. They look beautiful, are hardy, don't need fussing, and are right for city or country. You—''

But here the chuckling man broke in, for the simple reason that he could hold his story no longer.

''Well, while you're talking of chickens—'' he began with a chuckle, and related what he had seen from his rear window. The men grouped in the club room roared with laughter. The fan-



FIRST PRIZE PEN S·C·WHITE ORPINGTONS AT CHICAGO DEC. 1909
C·S·BYERS HAZELRIGG IND.

cier spoke as he wiped his eyes.

"Well, that wouldn't have happened if the man with the chicken yard kept Anconas," he said.

"Why?" asked one of the group.

"Because an Ancona would have laid an egg in front of the man with the hoe before he could have cut off its head, and he would have let it live," grinned the fancier. "And the moral of that is—"

"Keep Anconas," chuckled the chuckling man.

H. C. Sheppard.

Berea, Ohio.

—o—

Replies to Mr. Harrington.

Editor American Poultry Journal:

The article on "The Value and Use of Oxygen," page 1558 of Vol. 44, No. 12, reads like the usual drivel of an advertising quack. The author quotes liberally from medical books and physiologists, but his quotations are not to the point. They were written of animals that are breathing the air. Do they apply to hatching eggs?

A little examination of the natural



An almost Ideal Single Comb White Leghorn Head, awarded Special Prize, Indianapolis, February 2-7, 1914. Bred and exhibited by Frank E. Hering, South Bend, Ind.

process of incubation—and we can't improve upon that—will show that his conclusions are not good. The mother hen goes off the nest for food each day during incubation, and in doing so airs the eggs. She does not do this the last two or three days of incubation. Either instinct teaches her when the 20 days are over, or her auditory nerves tell her of the first feeble peck at the shell by any of her coming brood, and from that time she clings to the nest with a pertinacity worthy of a good cause. How can the carbon dioxide, so plentiful in that nest during these last days, make its escape? Why are not all the chicks poisoned by this deadly gas, to die in the shell under the brooding hen? Carbon dioxide gas is heavier than air and naturally sinks to the bottom of the nest.

According to his theory the eggs would be lying in a vessel of carbon dioxide, because the hen sitting on the nest would prevent any interchange between the CO_2 in the nest and the outside air by means of drafts or otherwise. The theory does not hold good in Nature's way of incubation and the author has not brought out a single fact to prove that it is true in artificial incubation. White diarrhœa is a germ disease and can in no wise be traced to the effects of carbon dioxide in the incubator. Besides, all modern incubators are provided with means of proper ventilation which remedy the defect assumed by the author.

I would rather attribute chicks dead in the shell to some failure to maintain proper temperature or degree of moisture in the incubator, or to some lack of vitality in the birds from which the eggs were obtained, or a failure to select only well-shaped eggs for incubation.

This whole article has the tone and earmarks of those produced by the medical quack who advertises to perform miraculous cures by means of some mysterious concoction or wonder-working appliances. There is nothing to the claims he sets up from the standpoint of either theory or practice. You owe it to your readers to warn them against spending their good money to no purpose in order to learn that this plausible notion is a fallacy.

Chicago, Ill. J. P. Houston, M. D.

[Note.—The above letter was mailed to me by our Chicago Office. Until that time I had not noted Mr. Harrington's article, which, by the way, found its way into our narrow-column matter through the business office. Mr. Harrington invited "thought." Well, we are getting it in Dr. Houston's letter and in others. Personally, I agree with Dr. Houston's statement concerning incubation. My own tests in natural and artificial incubation lead me to concur with him. I did not get any conclusive results from trials of oxygen treatment in incubation. Neither have I noted any harmful results from presence of carbon dioxide in hens' nests or modern incubators. Some investigators have endorsed the oxygen novelty. Others, equally as earnest, have pro-

MORE EGGS-MORE MONEY
Feed CRYS-CO.
A petrified shell grit (cubical) guaranteed 99+ Pure Carbonate of Lime.
Need no oyster shells or other grit; better results, less cost. Fine for little chicks. Higher-t endorsements. Write for booklet.
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LAND and Water Fowls. Farm-raised stock, with eggs in season. Send 2c for my valuable illustrated descriptive Poultry Book for 1913. Write Henry Pfile, Box 600 Freeport, Ill.

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Bred from Grand Breeding Stock of top notch quality. Shipped safely 1,500 miles. All dead chicks replaced. 12 leading varieties including Orpingtons, Reds, Rocks, Wyandottes, Leghorns, Minorcas. Start right by purchasing chicks with best blood lines. Send for chicklet catalog It's free
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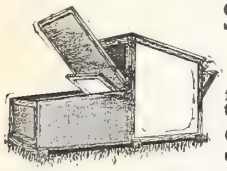
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First cockerel, first and second pullet, first young pen and champion hen. This hen has won the championship and best bird of the show at Elgin and Aurora and scored 96 points under three different judges. Orders for Eggs for Hatching, from the pen containing this fine bird and from pens containing her offspring, are now being booked. Catalog free.
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YAMA FARMS
2nd prize Barred Rock Hen, Madison Sq. Garden, New York, Dec. 26-31, '13. (From an untouched photograph)



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APPLIED ONLY TWICE A YEAR

HON. W. W. GRAVES, Justice of the Supreme Court of the State of Missouri, says: "Jefferson City, Mo., Dec. 28, 1913. I think Licene is the stuff—of course we are not troubled so much with lice and nits this season of the year, as we will be next summer, but from the trial given. I believe Licene will do the work, and with so much less trouble than most remedies. W. W. GRAVES."

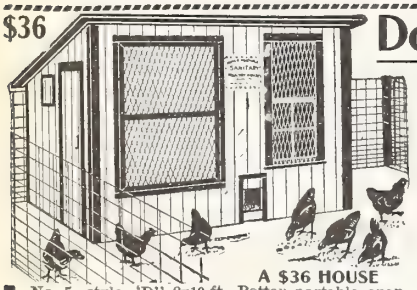
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contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalog and circulars on the Potter System book.

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A $6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter hennery outfit for 36 hens. This same style made in 12 sizes.

nounced in favor of more carbon dioxide. The fact is that both factions are doing a lot of guessing, and so long as they guess at the expense of their own funds it makes little difference, but we don't like to see our readers blowing in their hard-earned shekles on experiments of doubtful value. We haven't made any very great advances in artificial incubation in a long time, but we are continually getting a lot of new guesses, new talking points and novelties. We haven't improved on hen hatching and we are not doing artificial hatching any better than the ancient Chinese and Egyptians. Modern incubators when properly located and operated will yield very excellent results, and when conditions are wrong the results are poor. Mother hen is not much better off in that respect; sometimes she yields good hatches and sometimes she does not.

Mr. Harrington is all wrong when he says: "Nature intended that every egg, when properly fertilized and properly subjected to the process of incubation, would produce a strong, healthy chick."

Nature intended nothing of the kind. Nature is prodigal with seed and provides for the survival of the fittest. The author all through that oxygen article shows a profound ignorance of natural laws. Chicks die in the shell whether the eggs are hatched under hens or in incubators. With incubation properly conducted, either by natural or artificial means, the number of chicks dead in the shell is in direct proportion to the survival of the fittest—the poor seed may sprout and die at any stage; the good seed develop into the well-finished product.

Take a whole hatching season through, with many hens, and the percentage of chicks dead in the shell is considerable, though the incubation is natural. Every fertile egg set is not destined to hatch a perfect chick. I have operated incubators and had exceptionally good hatches when I felt that the machine had hatched too well and brought out chicks that were not fit to live, and I have also had unaccountably poor hatches. It is because incubation, either natural or artificial, is such a big gamble that we get such a wide variety of "sure thing" information about it. Any plausible theory is eagerly seized, because we are eager for better results and we still have so very much to learn about what life really is, what it is for, and how it develops.

Prince T. Woods, M.D.,
Managing Editor.]

———o———

The keeping of fowls of various sizes, ages, and kinds together in such a manner that the law of the survival of the fittest is apt to be exemplified is wrong, and must not occur if one requires a profit.

Fowls must have exercise when confined. To provide this scatter the grain food in the litter on the floor and force them to keep constantly at work scratching for it. This will insure a free circulation and perfect digestion.

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Poultry Appliance Co., 967 16th St., Milwaukee, Wis.

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Only 4 pens mated, but each one is quality. 15 Eggs, $1.50 to $5.00. Write for mating list.

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50c in stamps or coin, we will send postpaid one Floridora gun filled with "INSECTOLENE." The old reliable blue powder—that will kill chicken lice, bugs, roaches, etc., together with booklet and full directions for use. Order now.

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Barred Plymouth Rocks, White and Brown Leghorns, Buff Orpingtons, White Wyandottes, Black Minorcas, Rhode Island Reds, and Indian Runner Ducks. Won over 300 prizes, specials and silver cups, at the largest shows north and south.

Eggs from these winners—$1.00 per 15, $2.00 per 30, $3.00 per 50, delivered free by Parcel Post. **Hermitage Farm, Box A, Hendersonville, Tenn.**

HOUDANS

Boston, 1914, Winners

In the greatest class shown I won: Cock 3, Hens 3-5-6, Cockerel 1, Pullet 5 and several Specials. Birds of my breeding also won here and everywhere.

COCKERELS FOR SALE EGGS FOR HATCHING

J. L. Metzler -:- Findlay, Ohio

BIRDS THAT WIN

Many of my customers have scored as high as 95½ points at leading shows.

They Are Fishel Strain White Plymouth Rocks

Eggs and stock—and the prices are very low. Write today.

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45 Varieties

Land and Water Fowls

Send for free illustrated catalogue, which tells you much you should know. Stock and eggs at all times. Mention A. P. J.

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Patent Your Invention. It May Make Your Fortune

My booklet, "How to Save Money on Your Patent," free on request. Poultry inventions a specialty. Expert service. Terms reasonable. Write me before you apply for a patent.

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RAISE EVERY CHICK on "HEN-E-TA"-"HEN-O-LA" The *Phosphatic*-System!

The more phosphorus in the egg and the more phosphorus in the egg-shell, the greater the fertility, the better the hatch and the hardier the new-born chick.

The Hen-e-ta-Hen-o-la System eliminates all bowel-trouble; reduces mortality to a minimum; grows and develops the chicks faster and cheaper into strong, rugged, healthy "egg-producing" birds.

Ask your dealer or write us for new booklet, entitled: *"The Successful Way to Grow Little Chicks."*

HENETA BONE CO., Dept. 1, Newark, N. J.

ALDRICH POULTRY FARM, WHITE ORPINGTONS.

A Visit to These Famous Yards—Their This Year's Winners and Matings — Superintendent Rawnsley's Work.

By H. P. Schwab, Eastern Representative A. P. J.

It happened that we reached Columbus, O., in the very midst of one of the greatest storms of the year; it was cold, the wind was rushing by and the snow falling, covering everything with a mantle of white. But neither snow nor wind could chill our ardor. We were headed for one of the country's greatest poultry plants and desires led us on in spite of all conditions. Our welcome was warm and hearty; we found Superintendent Rawnsley busy, but with things well in hand for the storm and with plenty of time to guide us around and to have a good visit with him.

For the past several years this line has been a great winner the country over. We have seen them at our best and greatest shows, where they have made records year by year that reflect the greatest possible credit to them. For all this we consider their winnings made this season of 1913-14 to be superior to any of the past. They have been up showing against the best breeders and at the best shows and finished almost with a clean record for all in all classes and shows. Note the following:

At the great Allentown Fair, September, 1913, with but ten entries, they won: Cock 1-2, cockerels 1-2-3, hens 1-2, pullets 1-2, futurity special pullet, best display, etc. First pen was won by a customer of theirs.

At Atlanta, Ga., their line won a total of seventy-six points against seventy points for all others combined, including three first prizes.

At the great Chicago Coliseum Show, December, 1913, with nineteen birds entered, they won: cock 1-3, cockerel 1-2-5, hens 2-4, old pen 1, young pen 1, special for best display, etc. (No pullets shown.)

At the "World's Greatest Show," Madison Square Garden, New York, December, 1913, in the largest and grandest class ever brought together, their phenomenal winnings were a total of forty-six points against fifty points for all competitors combined. Cocks 1-3-4, hen 1, cockerers 1-2-3, pullet 2, pen 1. Here they met the best and the victory is theirs; theirs to profit and enjoy.

When here a year ago we were pleased to favorably commend this line of S. C. White Orpingtons, but what they then had is not a marker to the quality found here this season, speaking generally, for they have easily improved their line by their own breeding fully fifty per cent. Both old and young were in the best possible condition and the proven breeders of last year with their choicest young were here mated in a manner to insure further improved results.

Their Matings as Seen.

We found in their twenty-five pens much to commend. Each had its feature and that feature was the general evenness in size, shape and style and the evident even quality of all. Eyes were unusually good; we did not see an off-colored or weak eye on a female. Combs were a revelation—in size they were consistent with the variety, they were straight and well set and finely serated to a wonderful degree.

In pen No. 1 we again noted their grand old champion, "Snow King," first prize cockerel at Chicago, December, 1911, in a class of forty-two birds. This grand old fellow improves with age. We have never seen him better or stronger; full of vigor, he promises much for this season's breeding. He has a most beautiful comb and the best possible form. His mates are a beautiful lot of highest type and color.

"White King," heading pen No. 2, is well named. He also has superior size and form and heavy bone. He was first cock at Chicago, December, 1912. His mates are a selected lot that promise much.

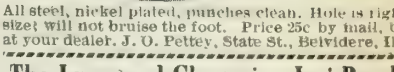
Pen No. 3, headed by a giant weighing eleven pounds, a beauty in finish and a very grand cock. Pen No. 4 has their famous Madison Square Garden, New York, first prize pen cock of 1912-13, who also won other honors at other shows—at Allentown, where he won the futurity, cockerel stakes; Atlanta, Chicago, etc. Mates are beauty females of finest quality.

In pen No. 5 is their first prize pen



All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Pettey, State St., Belvidere, Ill.

The Improved Champion Leg Band



Aluminum only; two sizes; adjustable to fit any fowl. Held by double lock, can't lose off. Postpaid 12-15c; 25-20c; 50-35c; 100-60c. Initials 10c per 100 extra. 50 or less, 5c. Also Pigeon Bands.



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BOWMAN'S ROUP CURE

Is Guaranteed to CURE Roup or White Diarrhoea, or Money Back.

For sale by all dealers, 25 cents, or by mail on receipt of 35 cents. Manufactured by

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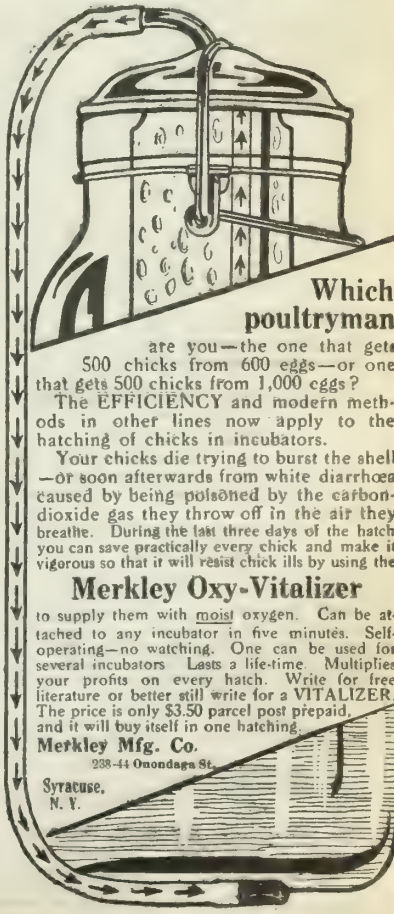
White Runner Ducks

And S. C. White Leghorns

At Philadelphia my Ducks won: Cock 1, Hen 1, Cockerel 2, Pullet 1, Pen 1, and Cup. At Trenton, N. J., 4 firsts on 4 entries. Hammenton, N. J., 5 first prizes, etc. Stock and eggs for sale. Write me your wants.

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STOP Chicks Dying In the Shell



Which poultryman

are you—the one that gets 500 chicks from 600 eggs—or one that gets 500 chicks from 1,000 eggs?

The EFFICIENCY and modern methods in other lines now apply to the hatching of chicks in incubators.

Your chicks die trying to burst the shell—or soon afterwards from white diarrhœa caused by being poisoned by the carbon-dioxide gas they throw off in the air they breathe. During the last three days of the hatch you can save practically every chick and make it vigorous so that it will resist chick ills by using the

Merkley Oxy-Vitalizer

to supply them with moist oxygen. Can be attached to any incubator in five minutes. Self-operating—no watching. One can be used for several incubators. Lasts a life-time. Multiplies your profits on every hatch. Write for free literature or better still write for a VITALIZER. The price is only $3.50 parcel post prepaid, and it will buy itself in one hatching.

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Vermin-Proof Poultry Houses

Made of Plasto-Asphalt lumber, the new fire-proof material. Superior to lumber or any other material for poultry house construction.

Send for free sample and our free catalogue of poultry houses.

Do it today.

THE UNIT CONSTRUCTION CO.
Box A Brookfield, Ill.

Buff Wyandottes

GOLD BEAUTY STRAIN

The Minnesota Blizzard Busters—and even a king might envy GOLD BEAUTY Buffs like these



EGGS EGGS EGGS

From the choicest matings of America's Foremost Stud. Blue Blooded, Aristocratic, Champion Winners, $4 per 15.

Pairs, Trios and Pens of the finest breeding at reasonable prices.

J. CARLTON JACKS
LITCHFIELD MINN.

We Tell You How To Raise Every Normal Chick You Hatch

The most experienced, best equipped, largest breeder in the county, doesn't raise on the average more than 50 per cent of chicks hatched unless he uses

Whiting's White Diarrhoea Remedy

a liquid preparation given with their first couple of feeds, which makes the chicks proof against White Diarrhoea and bowel complaints and

Enables You to Raise Every Chick

hatched, unless it is a chick that you know from the start cannot live. Besides that Whiting's White Diarrhoea Remedy

Makes Chicks Grow Faster, Stronger, Larger.

If you want the finest chicks you ever raised, and to save the 50 per cent or more that you know have died each year, get today a 50c or $1 bottle of Whiting's White Diarrhoea Remedy—a 50c bottle is usually enough for 150 chicks. Sold by many dealers or mailed on receipt of price. There is positively no substitute.

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Ask or write for
NEW BOOK FREE
Invaluable to everyone who raises chicks

O. K. Company
Dept. 39
157 Water Street
NEW YORK

male at Madison Square Garden. New York, this season, one of the finest males ever seen. He has every quality we consider valuable in breeding and above all a most charming back and tail. Our admiration for this male and females leaped beyond bounds.

Next in pen was another New York winner of this season, a grand big bird and richly mated. Pen No. 7 will surely give results; some of the finest females in here, backs and spread of tails magnificent.

"Quality Prinze" heads pen No. 8, who was first prize cockerel at the late great Chicago show. He is a bird of quality and admirable in every way, and to our mind is worth all they wish to ask for him. Mates are a select lot of finest style females. Following him was another Chicago winner and he looks fit to win any show today.

Heading pen No. 10 is a son of their grand old champion, who won two first prizes at the great Garden, New York, show, and is himself a Chicago winner—a most desirable bird and mating. Other pens up to No. 15 were all headed by New York and Chicago winners, birds of worth and all grandly mated. The females found in all these pens are most desirable—a grand even lot sure to produce superior quality.

Their special pen, headed by "Quality King," who has won first prize at Madison Square Garden, New York, as cockerel and also as cock and is the only White Orpington with a record of two wins at New York. He weighs nearly twelve pounds and carries well, being strong and hardy. His color is of the best, fine comb and rich red eyes. He has proved himself a wonderful breeder and is a most desirable and valuable bird. His mates are eight females, each one a winner and all of highest type and purest white color. The cock also is absolutely white.

Their nine other pens were also mated with the greatest of care and either headed by a noted winner, or by a male bred from their best and one they have refused to sell. In these the same character was seen that was noted throughout this entire line. Size and shape were extra good while color was pure and sound.

The females also compare very favorably with the others and while they sell eggs from these at a less price I am most certain of their value and that they will produce birds of superior quality and rich in breeding values.

From first to last, this truly is a great line. Their records are of the very highest, and regardless of these they have the birds and the quality to breed and to show those who visit them. In their stock and in their matings alike the hand of the master can be seen. Mr. L. Rawnsley, the manager, has full charge of all and to him great credit is due. He has mated and bred these birds and has brought them up to their position. He has made them what they are. His success and that of this line are equally great and both well deserve all we can give them.

Here is seen the real value of breeding—quality; that which we hold above all else is of greatest importance to any line and to any breed. From such we must expect and get the best of value and the choicest and highest quality.

H. P. Schwab.

To All Houdan Breeders.

The American Houdan Club is making arrangements to display eggs and dressed fowls at next season's shows, the idea being that such a display will prove a valuable object lesson as to the real worth of the bird. They also intend to enter in the name of the Club, pens of Houdans at the different egg laying contests.

To get material for showing the value of the Houdan as a producer both of eggs and meat, they ask all Houdan breeders to keep a record of what their hens and pullets are doing as layers. Send these records to the president, but be sure they are authentic records, not what you think they are doing, but what they actually are doing. This information will not be made public without the consent of the parties who furnish it.

Now, whether you are a member of this club or not, you should help in this work, but first of all join the club. Get together and show that the Houdan is not merely an ornamental breed, a fowl for exhibition, but that it is a real utility fowl, good for eggs and meat. Now get busy and write the president. Address Jas. Abernethy, West Pembroke, Maine.

White Plymouth Rocks | White Indian Runner Ducks

More Prize Winning Matings

40-acre, free range farm yards, larger general purpose and Utility flocks, years of experienced line breeding with superior stock insures full value in each order.

Hen Eggs, $1.50 to $9.00 per 15.
Baby Chicks, 15 cts. to $1.00 each.
Duck Eggs, 25 cts. to $1.00 each.
Ducklings, 40 cts. to $1.00 each.
Breeding Stock, $1.50, $2, $3 and more.
Reduced price on large orders.

Special saving offer to first inquiry from each address. Write your wants.

J. H. LYNCH
R. 7, Opdyke, Ill.

Taylor's White Rocks

Won First and Champion Pullet at Illinois State Show, Jan. 6-10, 1914; also 2nd Cock, 3rd Cockerel and 3rd Hen. A few choice cocks and hens left. Three grand pens mated. Eggs for hatching. Will be glad to answer all inquiries.

H. E. TAYLOR -:- PETERSBURG, ILLINOIS

Partridge-Plymouth Rocks
Black Langshans

Winners at New York, Philadelphia, Hagerstown, Williamsport and Baltimore. 20 pens of Mated Birds for quality production, 500 Utility Birds on open range. Eggs from Mated Pens, $5.00 per setting. Eggs from Utility Birds, $3.00 per setting. Circular on application. **TONY TANK FARM, Salisbury, Maryland. C. G. Heebner, Manager.**

New York State Single Comb

White Leghorns

One thousand early chicks brooded together around a Simplex Brooder Stove will bring returns next fall and winter if the pullets are housed and cared for in a house built after Dr. Woods' plan. 52 chicks in box, $7.50 'till May 1st. Bronze Turkeys—Grey Geese—Indian Ducks. Eggs for hatching $1.50 per setting. Write for prices on heavy breeds and White Leghorn Chicks by the thousand. Mention A. P. J.

Crescent Egg Company, Allegan Mich.

R. C. Black Minorcas



2d Cock, Springfield, Ill.

Winners at the leading shows, including the late Springfield, Ill. state show.

Five grand pens mated for the egg trade. Every pen headed by a first prize winner. Send for mating list which gives prices of eggs and baby chicks. I guarantee satisfaction.

E. M. CAMPBELL
571 No. 4th Street Columbus, Ohio

THE KIND YOU WANT

Birds that are bred right, that look right, that are right.

Wetmore's White Wyandottes

were ribbon winners at 1913 *Buffalo Show* winning 1st and 3rd Pullet, 2nd Pen and 5th Cockerel in strong competition. White Wyandottes are superior table fowl and wonderful layers. If you want choice birds to improve your strain or foundation stock, I can supply you.

C. S. WETMORE.
ABBOTT ROAD LACKAWANNA, N.Y.

SKINNER'S STANDARD WHITE WYANDOTTES

Winners at Chicago, Indianapolis and St. Louis. Eggs from Exhibition and Utility matings. Mating list upon request.

F. E. SKINNER Box A Sandwich, Ill.

SILVER CAMPINES

IMPROVED STRAIN

Bred from imported stock and Chicago winners. Eggs and chicks. Prices reasonable. Fertility and safe delivery guaranteed.

ALICE RAWSON : BIG ROCK, ILLINOIS

CRAMER'S REGAL REDS

Rose Comb Rhode Islands Exclusively

Bean and Prickett Strains
5 Extra Select Strains

EGGS—$3.00 for 15, $5.00 for 30.
10th annual mating list now ready.

Cramer's Red Feather Poultry Yards - Eagleville, Missour

Success With Hens

By ROBERT JOOS

This is a complete guide to poultry raising that thoroughly covers the subject by an expert. It is clear, practical and up-to-date.

The fifty-five chapters give full directions for the hatching and brooding of chickens, incubation, feeding and housing, increasing the egg supply, cure of diseases, the marketing of eggs and fowls and everything pertaining to the care of hens.

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A Chance of a Life-Time

Would you turn down the opportunity to own a fine specimen Rhode Island Red, direct from **First Prize Madison Square Garden** birds or from the **strain that produced them?** Just think of the advertising value and the strength it will give your yards.

I am showing you the way with my **"Aristocrats"** S. C. R. I. Reds, bred for 12 years—winners of the **blue** in practically every big show in America—a strain that breeds the truest Reds known.

No breeder large or small can afford to pass this opportunity.

Send for our free Mating List, showing our First New York winners.

IRA M. CROWTHER, Box A, Willoughby, O.

EASTERN BREEDERS' NOTES.

BY H. P. SCHWAB.

The annual catalogue of the "Maryland" Strain of Barred Rocks is one of the neatest and handsomest we have seen. We congratulate Mr. Robert J. Walden, Middleburg, Md., the originator of this line. His records have been won at Pittsburgh, Hagerstown, Philadelphia, Baltimore, Williamsport, M. S. Garden, New York, etc. Beside giving a description of his matings, it also describes the quality of stock he sells at prices given. If you are a breeder of Barred Rocks, send for this catalogue and mention A. P. J.

Woodcrest Partridge Wyandottes as bred by Chas. H. Wood, Worcester, Mass., were the sensational winners at the late M. S. Garden, New York, Show. For this year he will sell eggs for hatching at $5 and $10 per setting. Send for his mating list: it is free to all.

We have always known Mr. James Abernethy, West Pembroke, Me., as a champion of the Houdans; he is one of their oldest breeders and has always been found in the front rank as a booster unfailing of this grand old variety. His stock has been liberally shown and we have seen it as winners for years at the leading shows. This year he is selling eggs for hatching from his selected matings for $5 per setting; others at $3. Write him for particulars.

The remarkable record made by Mr. A. C. Hawkins, Lancaster, Mass., at the late Chicago show, where he won cocks 1-5, cockerels 1-3, pullet 1 and champion female, pullet-bred cocks 1-2, cockerels 1-3, first cockerel mating pen, second pullet mating pen, best display, champion male, champion female, all shape and color specials on both male and female and several other specials completes the best record ever made at that great show on Barred Plymouth Rocks. It is a pronounced victory of positive worth. Mr. Hawkins' catalogue gives all information and is mailed free for the asking. Mention A. P. J.

Rose Comb White Orpingtons as bred by Mr. H. P. Kettering, Carrick, Pa., are one of the leading winning lines of today, we saw them highly placed at New York and Pittsburgh this year and at others in the past. Mr. Kettering also breeds Single Comb White and Buff Orpingtons and Pekin ducks. In ducks his records show him to be unbeatable.

Mr. Arthur G. Duston, South Framingham, Mass., with his splendid White Wyandotte win at M. S. Garden, New York, and selling winners for Boston and many other shows of note, particularly the first Boston cockerel, should receive every consideration from the breeders. We hope soon to see him and tell our readers more of his birds which we know are better than usual.

The "Lady Beautiful" Strain of Barred Rocks as bred by Mr. C. N. Myers, Hanover, Pa., is well portrayed in a beautiful catalogue just issued. It gives this line's winnings for years, which include first prizes at M. S. Garden, New York, and other leading shows. It also describes his matings and stock at stated prices. The catalogue is sent free for the asking.

Wm. Cook & Sons, Scotch Plains, N. J., have as usual shown their birds at all the season's great shows and have made more records of note that quality alone can bring. They breed all varieties of Orpingtons. Write them your wants and for mating list.

Mr. E. F. Dean, South Williamsport, Pa., breeder of Silver and Golden Campines has filled record books with his season's winnings. We hope soon to see this whole line and to write them up.

Mr. Jas. T. Huston, Williamsport, Pa., one of our old and reliable Barred Rock breeders, has an exceptional line of mating this year that promises much.

Our trip to Hope, Ind., to see the Fishels and the Aldrich Orpingtons at Columbus, O., was a trip worth making. We also spent two days at the home of the A. P. J.

Mr. Art C. Gilbert is now connected with the Pine Lodge Farm, South Lincoln, Mass., where he will breed his original line of Blue Orpingtons of which he is the originator. Associated with him is Mr. W. H. Depper, one of the first importers and breeders of Blue Orpingtons in this country.

The "Lucia Strain" of S. C. W. Leghorns, as bred by Mr. Albert Waldron, Titusville, Pa., is rapidly coming to the front. We have seen this line as winners at two shows this year. It has class; the

White Orpingtons

Winners of more than half of all first prizes at five leading Illinois shows. Eggs priced at half their value. Send at once for mating list.

T. A. Scott - Bethany, Ill.

TRETHAWAY'S

Anthracite Strain S. C. Black Minorcas

Four of the best pens I ever mated, and will produce WINNERS for you next fall and winter. Send for mating list.

ARTHUR TRETHAWAY

45 Parrish St., - Wilkes Barre, Pa.

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THE DIARY OF A COMMERCIAL HEN?

79 Healthy Chicks Out of 99 Eggs

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The Farm Weekly That Is Different

Five Cents the Copy of all Newsdealers — $1.50 the Year by Mail

THE CURTIS PUBLISHING COMPANY
Independence Square Philadelphia, Penn.

NO MORE HATCHING EGGS

All offers previously made for the sale of hatching eggs for this season are hereby withdrawn, as we will increase our capacity at least four-fold during the next 12 months. Fall hatched Cockerels, ready in March, $3 each.

S. C. Buff Orpingtons

Variety leaders in two Egg Contests

CHERRY LANE FARM CO.
Box 148 Oak Hill, W. Va.

ANCONAS

Winners STATE CHAMPIONSHIP CUP State Meet Ancona Club of America, at Paterson, N. J., November, 1913. At State Meet, same club Grand Central Palace, N. Y., SPECIAL FOR BEST ANCONA IN SHOW. Also at Madison Sq. Garden, Philadelphia, and Augusta, Ga. STOCK, EGGS, BABY CHICKS. Write TODAY for Catalogue. **DR. PETER HICKS Bound Brook, New Jersey**

WHITE LANGSHANS

Handsome, healthy and active, with an egg record of 130 eggs in 132 consecutive days.

EGGS FOR SALE. Pen, $5 per 15, Flock No. 1, $2 per 15, $10 per 100; Flock No. 2, $1 per 15, $5 per 100.



Mohawk Poultry Yards

R. H. Moore, Owner

R. F. D. 1 Nellie, Ohio

White Indian Runner Duck Eggs, $3.00 per 12



IDEAL WHITE ORPINGTONS

This hen was in the **first prize pen,** Chicago, January, 1914.
We won **first pen, second hen, third pullet, and cup for best display.**

Study This Photo. Is this not the kind of stock you've been looking for? Our prices are lowest. Our quality cannot be excelled.

Eggs $2.00 to $7.50 per 15; Chicks 25c to 80c each. **Send for mating list.**

IDEAL ORPINGTON FARM BOX 168 LOMBARD, ILLINOIS
CHARLES W. GREEN, Prop.



PHEASANTS
Prices Very Reasonable

BABY CHICKS AND EGGS

Of S. C. Buff and White Orpingtons
Partridge Rocks

Settings from these birds bring you ribbon winners. The prices will surprise you. Write me today for price list.

JENNIE MILNER
Normal Illinois

THE "Maryland" STRAIN

Walden's Barred Rocks

Win at Baltimore, Md., 1914

First Prize Hen and Shape Female and Second and Fourth Pullets

The Pullet Bred Line a Specialty

My birds have won this year also at Philadelphia, Williamsport, Pittsburgh, Hagerstown, etc. For years they have won at leading shows. If you are interested in Quality **My Maryland Strain** will interest you.

My New Catalogue for the Asking

It gives you full and complete information of my line with prices, etc. Eggs for hatching from selected pens containing all my winners. Write me your wants today.

R. J. WALDEN Box A MIDDLEBURG, MARYLAND

"Ideal" Poultry Appliances

Automatic Feeder and Exerciser

The only Feeder that fowls must make a real effort to operate

Can be adjusted to feed any quantity desired.
Satisfaction guaranteed if directions are followed, or money refunded.

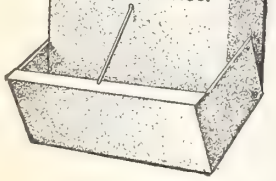
Price—8-qt., $1.50; 16-qt., $2; 32-qt., $3.



The Fount with All the Good Features

1. Will not splash water when being filled.
2. Large watering space.
3. Universal for all ages and kinds of poultry.
4. Easily filled and cleaned.
5. Birds can not perch on top, therefore fount is positively sanitary.

Price—5 qt., 60c; 8 qt., 80c.



Dry Food Hopper

with all the essential features. Largest size on the market for the money. Holds over 9 quarts.

Clog proof as near as mechanical science can make it. Adjustable to any flow of grain desired.

It's larger size and low retail price gives it preference over ordinary grit feeders. **Price 75 cents.**

If your Grain, Poultry Supply or Hardware Dealer will not supply you, we will. Express paid.



IDEAL CAN CO., Sole Manufacturers
147 North Washington Street -:- Boston, Massachusetts

birds have the best of style and are absolutely white with simply fine head points. Write for mating list.

We understand that Mr. Macormac Dawson, Williamsport, Pa., has bought from Mr. Flem Allen his entire line of Buff Rocks and will make them his specialty.

New American Java Association.

At a recent gathering of Black and Mottled Java breeders held in Albany, N. Y., the following officers were elected: A. E. Huber, president, Newpoint, Ind.; Wm. C. Martens, first vice president, Minooka, Ill.; W. J. Olliver, second vice president, Barre, Vt.; C. Boland Ballentine, third vice president, Portsmouth, Va.; secretary and treasurer, S. W. Morton, of Albany, N. Y. The following compose the executive committee: Mrs. W. P. Masten, Pleasant Valley, N. Y.; J. J. Brinkerhoff, Minooka, Ill.; C. B. Brown, Whitney Point, N. Y.; A. M. Stocking, M. D., La Harpe, Ill., and W. D. Van Wagner, Salt Point, N. Y.

The plans of this association are very unique and anyone who is breeding Javas should get in touch with the secretary.

Plans are already under way for the first annual meet to be held next winter.

Annual Meeting Columbian Plymouth Club.

At the regular annual meeting of the American Columbian Plymouth Rock Club, held at Pittsburgh, Pa., the following officers were elected for the ensuing year: President, Sam'l W. Bradley, Lime Rock, Conn.; vice presidents, Jas. H. Taylor, Woodstock, Ill.; G. W. Garlock, Ft. Atkinson, Wis.; J. F. Walthers, Pittsburgh, Pa.; secretary-treasurer, D. Monroe Green, Waterville, N. Y. It was voted to issue a handsome new publication to be known as the "Columbian Rock Bulletin." It will be devoted exclusively to Columbian Plymouth Rocks, containing instructive articles, illustrations and other valuable information that should be in the hands of everyone interested in Plymouth Rocks. Sent absolutely free to anyone for the asking. Address D. Monroe Green, Waterville, N. Y.

Canadian White Wyandotte Club.

Held their annual meeting at Guelph, electing the following officers for the coming year: Hon. President, L. H. Baldwin, Toronto; President, Joseph Russell, Toronto; First Vice President, R. W. Vont, Brockville; Second Vice President, W. Archer Paisley; Secretary-Treasurer, Sid Saunders, Ingersoll. Directors: John R. Henderson, William Wilson, Charles Massie, A. M. Cameron, L. R. Guild and F. J. Hind.

Plans have been arranged for a big show for next season for White Wyandottes exclusively, many valuable prizes have already been donated, among them being a beautiful $500 piano, donated by Mr. Russell.

This promises to be the greatest show of its kind ever held and the cash prizes will exceed anything ever given.

R. C. White Minorca Club.

This Club will offer cups at all of the big shows the coming season, therefore if you are a breeder of this fowl write for complete information. Address Fred Alger, Secretary-Treasurer, Waukau, Wis.

F. N. Perkins, of Freeport, Ill., has issued one of the handsomest mating lists we have seen for some time. Through a cut out in the front and back cover the heads of a male and female Partridge Rock show in natural color. The book is handsomely illustrated with many views on the Perkins Farm and describes many of the fine pens from which he is selling eggs for hatching. Partridge Rocks are coming rapidly to the front for the reason that they are such excellent winter layers and combine this quality with remarkable beauty.

J. Carleton Jacks, Litchfield, Minn., breeder of the Golden Beauty Strain of Buff Wyandottes, made some wonderful show records the past season, among which was his great win at the Minnesota State Show, 1914, where he won 1, 2, 3 cock; 1, 2, 3, 4, 5 hen; 1, 2, 3 cockerel; 1, 2, 3, 4, 5 pullet, and all specials. If you are in the market for anything in the Buff Wyandotte line you should get in touch with Mr. Jacks at once. He guarantees satisfaction.

POULTRY RAISERS

Find easiest, most economical, most effective way to spray hen houses is with a BROWN'S AUTO SPRAY

Style shown here has 4 gal. capacity—Auto-Pop Nozzle and Non-Clog. Endorsed by 300,000 users. 40 styles and sizes—hand and power. Write for FREE catalog.

The E. C. Brown Co., 52 Jay St., Rochester, N.Y.



FRANK MYERS, Breeder of LAKENVELDERS

The everlasting layers and sensational beautiful fowl. Winners of leading shows for 1912 and 1913. I won five first Chicago and four first at Freeport. Write for price list on eggs and baby chicks

FRANK MYERS Box 92 FREEPORT, ILLINOIS

Arrived safe and well

That is what everyone is writing who has purchased my

S. C. White Orpington

Day-Old Chicks

These chicks are the Aldrich Farm, Kellerstrass and Byers strain.

The price is reasonable, write me today—remember satisfaction guaranteed, or money refunded.

Order today for immediate delivery.

DR. J. J. BOONE

Mt. Victory Ohio

Do You Want to Save Money and Raise All the Chicks?

THE IDEAL COLONY BROODER

Coal Burning Self Regulating



Price $17, with Automatic Regulator $22

100 per cent efficient no other system can equal these results. Economical and safe. Superior to oil burners. Large and small farms are using the Ideal with great success. The only system giving perfect satisfaction. Write for Free Illustrated Booklet describing the

Ideal Coal Stove Brooder

Liberty Stove Co.

Dept. A Philadelphia, Pa.

CATALOGS AND MATING LISTS.

As Seen by Chick.

This is the time of year when every poultryman, large or small, is issuing a catalog or mating list. In the course of a day, I see many good ones and some that are only fair, but each and every one tells its little story and tells it as completely as could be told in an hour's talk with the purchaser.

It struck me that our readers should no doubt be interested in seeing the summary of some of these catalogs and mating lists, so I herewith give them to you as seen by my own eyes, if interested address is given and you may write for a copy which will be mailed you promptly and free of charge.

From Glendale, Ohio, comes the beautiful 16 pages of Premier Partridge Wyandottes issued by the Sheffield Farm. On the first page will be found a reproduction of their first prize pen at the Garden show of 1912-13, next follows a short history of the Premier Strain, then facts and figures as to why Partridge Wyandottes are profit-makers, following this comes their matings which covers eight pages, and includes their New York, Chicago, Boston and smaller show winners. You then find their prices both on stock and eggs, also Baby Chicks, along with their guarantee under which all goods are sold. Then comes the general description of the birds which they have for sale, together with some beautiful half-tone cuts of same. Following this comes a list of their hundreds of prizes won at shows in all parts of the country, then comes letters from many of their satisfied customers showing you just what sort of treatment you may expect when you buy from Sheffield Farms. All in all it is a catalog that will prove of interest to anyone interested in Partridge Wyandottes.

One of the recent ribbon winners at the late 1914 Chicago show is Fred B. Keifer, owner of Highland Farm, Marshall, Ill. Mr. Keifer has just issued a new mating list which gives the list of his late show winnings, together with a complete description of the six pens which he has mated. This list also gives a reproduction of a couple of his choice birds, also gives you prices on eggs, chicks and stock, all of which are sold under guarantee. If interested in White Wyandottes be sure to write for copy of this mating list.

A. B. Porter, the Orpington specialist of LaSalle, Ill., has what is known as the Golden Strain Buff Orpingtons. When he came to issue his mating list for 1914 he carried the color scheme of his Orpingtons right into his booklet. A very attractive book printed on golden hue paper. It contains a list of his seven pens, together with the price of eggs and stock. You will also find complete list of his winnings at the different shows.

J. W. Parks, Altoona, Pa., deserves a great amount of credit for the catalog just issued by him. It is from his own pen and is also designed by him. To go into full details would take a page, but suffice to give the main points. He gives you the history of his Bred-to-lay Barred Plymouth Rocks. He tells you all about the different poultry diseases and how he prevents them from coming among his flock. He gives you picture after picture of his farm and how he ships his goods, his birds, in fact nothing is omitted. You will find his prices of interest, and if you are at all interested in poultry it will pay you to get a copy of this catalog.

Another attractive catalog that came to my attention is issued by C. L. Patterson, Barberton, Ohio, breeder of Silver and Golden Campines. It tells you all about his pens, just how they are mated, by whom and his prices. A copy will be mailed you if you will write for same.

One of the neatest little catalogs we have come across so far is issued by Paul Wurtzel, Freeport, Ill. It is just a little different from anything that you or I have ever seen, in fact I doubt if anything just like it has ever been printed before. It tells the complete story of the Single Comb White Orpingtons and Partridge Plymouth Rocks, you will also find a double page showing his Partridge Plymouth Rocks in natural colors. Be sure to get a copy of this catalog.

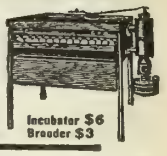
When Luther J. Hall, Kenney, Ill., got out his new catalog he wasted a little white space, space that was wasted to good advantage for the type is not crowded and you can read at a glance just what he has to offer. It is beautifully illustrated throughout and it tells the story more completely than we could with a column of reading matter. Mr Hall has 17 pens, any one of

$8.50 Buys 150 Egg Incubator

and 150 CHICK BROODER

The most startling offer ever made. Quality guaranteed—money back if not satisfied. $8.50 buys two—Think! Why pay more? Write quick for details.

Rockford Incubator Company Box 15 Rockford, Illinois



Incubator $6 Brooder $3

$39.00 BUYS THIS SIMPLEX WATER WORKS SYSTEM



guaranteed to do your work. Sixty days free trial. Other sizes as cheap. Pumps, motors and engines. Write for our New Way Selling Plan No. 61. Do It Now

The Baltimore Co., Baltimore, Md.

See The "BUCKEYE"



Guaranteed to hatch every hatchable egg. Over 325,000 in use. Send for Catalogue and dealer's name where you can see one and how it works.

The Buckeye Incubator Co. 501 Euclid Avenue Springfield, Ohio

SOLD AS LOW AS $10.00

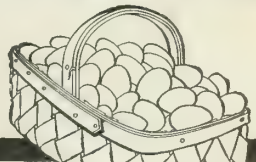
Feed Pearl Grit-It Pays



It's a double-purpose grit. Clean, hard and sharp. Grinds the bird's food—aids digestion. Keeps hens healthy, helps them molt quickly, makes eggs. Send for our new valuable poultry booklet giving pointers and prices.

THE OHIO MARBLE CO., 10 S. Cleveland St., Piqua, Ohio





Get Eggs Now

You can make your hens lay and have eggs to sell *now* when eggs are high by using

Conkey's Laying Tonic

A Regulator and Tonic. Puts whole flock in condition. Satisfactory results or money back. 25c, 50c and $1. In pails $1.60 and $3.

Save Fowls from Roup

For sneezing, coughing or moping fowls put in the drinking water

Conkey's Roup Remedy

A Preventive and Remedy. Fowls take their own medicine. Keep on hand and save your flock. 25 cents, 50 cents and $1.00

The G. E. Conkey Co. Cleveland, O.

THE GREAT LEGHORN FARMS

At the **Great Ontario, Guelph,** December, 1913, our winnings were: R. C. Browns—3d Cock, 1st and 2nd Hen, 1st Cockerel, 1st Pullet. S. C. Buffs—1st Cock, 1st Pullet, 3d and 4th Cockerel. S. C. Brown—1st Cock, 7th Cockerel. **At Buffalo,** December, 1913: S. C. Blacks—2nd Cock, 1st and 2nd Hen, 3d and 4th Cockerel, 5th Pullet. We have a fine lot of birds for sale—Cocks, Hens, Cockerels and Pullets. **Eggs for Hatching.** Send for circular.

Henderson & Billings - - St. Marys, Ontario

Premier White Wyandottes

"The Kind You'll Eventually Buy"

Special for Best Cockerel and Pullet. Silver Cup for Best Cock, Hen, Cockerel and Pullet. Bulloch Memorial Cup for best display, etc., and **more Regular and Special Prizes than my five nearest competitors combined at the Madison Square of Canada, Guelph, 1913,** 6000 birds shown and a class of 259 White Wyandottes.

Eggs, $5 per 15. Write today.

SID SAUNDERS, Secy.-Treas. Can. W. Wyandotte Club, Box A, INGERSOLL, ONT.

EGGS from Brinkley's White Plymouth Rocks

"THE BEST IN THE SOUTH"

Will hatch you prize winners. $3 to $15 per setting. Stock always for sale.

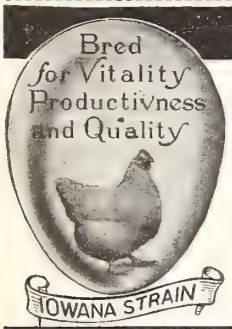
W. J. Brinkley, Owner, J. H. Sledd, Supt. Box A, IUKA, MISS.

Quality White Rocks

Remember our winnings at CINCINNATI, NASHVILLE and INDIANAPOLIS. Eggs a Specialty. $10, $7.50, $5 for 15 eggs from selected matings. Utility, $5 per one hundred, $2 for 15 or $3 for 30. Hens and cockerels for sale.

F. L. Deer Route 1 Franklin, Indiana

Iowana White Orpingtons



Breeding Stock and Eggs

From our Chicago, Iowa State Show, Illinois State Fair, Galesburg, Iowa State Fair and Davenport winners.

Cocks, cockerels, hens and pullets that will produce winners. Write for mating list describing Iowana quality.

IOWANA FARMS POULTRY DEPARTMENT.
HARRY W. ATKINS. Supt. BOX S DAVENPORT, IOWA

Buy "Insured" Chicks

Yes, practically **insured** chicks—the following letter shows you how we insure the safe arrival of orders:

20th Century Hatchery, Morris City, Ill.
Gentlemen:—I received my chicks all safe and sound. Thanks for the extra ones—I like them very much.
Yours truly, ROBERT STOKES

Notice "the extra ones"—that's how we insure them—we put in "extra ones" so that, if by chance any are killed, you are **sure** of getting at least as many as you order. You'll find that

TWENTIETH CENTURY CHICKS

will develop into hardy, vigorous birds. Every 20th Century Chick is hatched from specially selected eggs from free range stock. It's another way of "insuring" the chicks. Why be content with inferior chicks—the best is none too good for you—we ship by express and guarantee satisfaction or money refunded without a bit of red tape. Send your order in NOW so that you can be sure of getting the chicks, and hop aboard the train to Profit Land.

	Per 25	Per 50	Per 100
S. C. White Leg....	$2.50	$5.00	$10.00
S. C. Brown Leg...	2.25	4.50	9.00
Barred P. Rocks....	2.75	5.50	11.00
R. C. Reds.....	3.00	6.00	12.00
Broiler Chicks.....	2.00	4.00	8.00

FINE CATALOG FREE

Twentieth Century Hatchery
DEPT. B, CHATFIELD, OHIO

which will prove of interest to you. His specialty is Barred Plymouth Rocks, and he has the goods.

The Roseland Poultry Farm, South Euclid, Ohio, has just issued a very attractive mating list, on Single Comb Buff Orpingtons. They have 20 pens mated with Cleveland, Detroit and Chicago Coliseum winners. Their No. 1 pen is headed by third cock at the Chicago Coliseum show.

A catalog and mating list combined, just a little different from the rest, is being sent out by the United Breeders of South Braintree, Mass. This is a large concern and is in a position to handle any size order, large or small. They breed the famous Harvard Single Comb and Rose Comb Reds. They have 18 Rose Comb pens mated, and 28 Single Comb, any one of which are bound to interest you, for they contain winners from the largest shows in the country.

F. A. Poertner, owner of the Buff Poultry Farm at Berea, Ohio, has just issued a new mating list on his Buff Orpingtons and Wyandottes. Mr. Poertner has had a very successful year in the show room, both in Orpingtons and Wyandottes, and these birds are found in his different pens. His prices are very reasonable and his stock of the very best.

E. W. Webb, proprietor of the Sunnyside Poultry Yards, Ewing, Ill., has without doubt as fine a lot of testimonials in his mating list as you have ever read. It shows that he is delivering the goods and delivering them properly, which is half the battle with all breeders. He has the Blue Wave Strain Barred Rocks, and he has captured some of the best awards in several of the best shows in the country.

If interested in the raising of chicks, the Duplex Colony Brooder Co., Rockford, Ill., has issued a very complete book which tells you just how to raise the greater percentage of chicks with the smallest amount of loss. It is a book gotten out to sell for 50c, but special arrangements have been made whereby a limited number will be sent out free if you will address them as follows: The Duplex Colony Brooder Co., Box 493, Rockford, Ill.

Arthur Trethaway, 45 Parrish street, Wilkes-Barre, Pa., has issued a very attractive mating list, telling you all about his high-class Anthracite S. C. Black Minorcas. This list tells about his different pens, gives you prices both on eggs and stock. Be sure to write for a copy.

Where Birkholz Reds Are Raised is the title of a mating list sent out by Ernst F. Birkholz, of Willoughby, Ohio. He makes a specialty of S. C. Rhode Island Reds and this booklet tells about his matings, winnings, prices and a long list of letters from satisfied customers. A copy of this booklet will be mailed on request.

They say whatever Mr. Flanders does he does right, and this is shown by the very attractive catalog which he has just issued telling you all about those famous prize winning White Leghorns which he has. Our readers have not forgotten the great winning made by the Flanders Farm at the recent big Chicago Coliseum show, nor will they forget for some time to come, for it was a wonderful record. Several of these birds are found among the 24 yards which Mr. Flanders has mated. Be sure to write for a copy of this catalog. Address Flanders Farms, Orchard Lake, Mich.

The consistent winners in all of the leading shows are Grave's Blue Ribbon Strain of White Rocks and White Orpingtons, and the past season has been no exception. They have just issued a mating and price list which is bound to prove of interest to you. Be sure to write for a copy of same. Address the Rockandotte Farm, Janesville, Wis.

When you think of Black Minorcas you are bound to think of Charles G. Pape, of Fort Wayne, Ind., for he is one of the oldest of this type of breeders. He has the birds and the prices, both of which will meet with your approval if you are interested in this type of fowl. His mating list is just off the press and he would be pleased to send you same, if you will drop him a card.

When it comes to issuing a catalog in a very attractive manner with a little individuality all its own, you have got to hand it to the Woolery Farm, Bloomington, Ind. This farm breeds Single Comb White Orpingtons exclusively and they breed them to win, as is shown by their catalog, a copy of which will be mailed you upon request.

FARRANT S. C. BROWN LEGHORNS

AT THE GREAT COLISEUM SHOW, CHICAGO, DECEMBER. 1913—First pullet-bred cock, 4th exhibition cock, 1st and 5th pullet-bred cockerel, 3rd exhibition pullet, 5th cockerel-bred pullet. Chicago winners heading all pens. Write for mating list. F. M. FARRANT, 745 Prairie Ave., Kalamazoo, Mich



S. C. W. Orpingtons
Black Langshans

Winners at Boston. Years of successful breeding. Choice matings. Satisfaction guaranteed.

WOODMAN-COLPRIT YARDS
1140 Mass. Ave., Arlington, Mass.



Champion Buff Minorca Pullet



HOBBS' BUFF MINORCAS

Latest standard variety and coming breed.

ALSO BUFF ORPINGTON DUCKS

Catalog free. Address

O. K. HOBBS, Specialist - Hickory Grove, Kentucky

At Madison Square

First Prize S. C. White Leghorn Pullet

THE SENSATION OF THE CLASS

A Great Win at the Big Baltimore Show

EGGS EGGS EGGS EGGS

FOR HATCHING From the largest and best flock of S. C. White Leghorns on the Eastern Shore of Maryland. Remember, we guarantee satisfaction. Please send for Mating List with full report of our winners as well as prices on eggs and chicks.

MARYLAND LEGHORN FARMS

WM. C. BOWMAN, Manager BOX A CAMBRIDGE, MARYLAND

Silver Campines and White Rocks

My birds are pedigree-bred for egg-production and have won at Quincy, Ill., Illinois State Show and Illinois State Fair, Springfield, Ill., and the great Chicago Show, 1912, 1913, 1914. My Campine pens are headed by sons of a winner at the 1912 Crystal Palace Show, England (the world's greatest show), and chicks six weeks old from these pens are showing excellent regular barring of the proper width, which proves that my pens are properly mated. EGGS scientifically packed (not boxed) to carry safely any distance and insure a good hatch, $5.00 per 15, $9.00 per 30, from Special Prize Matings of either breed, and $3.00 per 15, $5.00 per 30 from good bred-to-lay matings. Circular free.

CHAS. A. SIMMONDS : CAMP POINT, ILLINOIS

S. and R.C. Rhode Island Reds
and Silver and Golden Campines

After a season of four months' showing at Madison Square Garden, Grand Central Palace, Pittsburgh, Baltimore, Philadelphia, Allentown and Hagerstown, we have a grand total of the following winnings:

47 Firsts 31 Seconds 16 Thirds
13 Fourths 6 Fifths

Orders for stock and hatching eggs from these winners now being booked. Write today for free illustrated mating list.

SCHENLEY HEIGHTS POULTRY FARM
C. F. RANKIN, Prop.
1202 COMMONWEALTH BLDG. PITTSBURGH, PA.

F. E. Skinner, the White Wyandotte breeder of Sandwich, Ill., is sending out a mating list, price in which will astonish you when you stop to read the wonderful show record he made the past season. Mr. Skinner will be pleased to mail you a copy of this booklet upon request.

Charles H. Wood, Worcester, Mass., the originator of the Woodcrest strain of Partridge Wyandottes, mails us his catalog of 1914 showing 10 pens, each pen headed either by a Madison Square Garden or Boston winner. This is saying a whole lot, and birds from these pens should later on be found among the blue ribbon winners. A copy of this catalog will be mailed to you upon request.

For anyone interested in White Leghorns or Golden and Silver Campines it will pay them to get the two booklets issued by the Mound Hill Farms, located at Seville, Ohio. This farm is managed by S. D. Hall, a very capable man and one who is never satisfied until the customer is. Their stock is of the very best and their prices reasonable. Write for these booklets. Address Mound Hill Farms, S. D. Hall, Manager, Seville, Ohio.

In a recent booklet just issued, C. E. Riley, the noted R. C. Rhode Island Red breeder, gives a short history of his flock. He tells just how he started, what his plans were and how he has stuck to them. He also tells you about his mating pens and his great show record. A copy of this booklet will be mailed you free. Address C. E. Riley, 749 Fillmore St., Buffalo, N. Y.

If you are interested in Dark Cornish sit right down and write for the big illustrated catalog being issued by John W. Ward, Jr. It tells the complete story of these wonderful champion strain Cornish, and tells it in such a way as to hold your attention from first to last page. Address John W. Ward, Jr., Pennington, N. J.

Why They Are Good.

It is a matter of wonder to me where the Bruce Poultry and Stock Farm, Lynbrook, L. I., N. Y., find room to store all of their ribbons and cups. In the catalog issued by them they reproduce some of these, and if they were spread out through the catalog there would not be room to show the illustrations and tell you the story of their famous Buff, Black and White Orpingtons.

The White Orpingtons that this farm breeds are snow-white, and the result of cross-breeding the three greatest American strains known, i. e., Cook's, Sunswick's and Kellerstrass', the result of which is superb birds that for type and beauty cannot be surpassed. The same methods were used in the perfecting of their Black Orpingtons, these birds being the result of cross-breeding of such strains as Duke of Kent, Cook, Sunswick and Vass, while their Buffs are the result of cross-matings of Cooks, Sunswicks and Owen Farms.

This proves that this farm has the "strains." If you are interested in Orpingtons send for a copy of this catalog at once. Address Bruce Poultry and Stock Farm, Lynbrook, Long Island, New York.

An Attractive Booklet.

One of the very neatest and most attractive booklets which has come to our attention is being sent out by Miss H. E. Hooker, the Buff and Blue Orpington specialist, of South Hadley, Mass.

In issuing this beautiful catalog Miss Hooker did not spare expense; it is printed on a high-grade enameled paper with buff cover, contains a history of her birds, her pen matings and a list of her show winnings which takes three pages; it is beautifully illustrated with twelve half-tones. all in all it is a catalog that is bound to prove of value if you are interested in Buff or Blue Orpingtons.

While on the subject of Miss Hooker's birds we wish to call your attention to the winning made by her at the recent Madison Square Garden show. Showing Buff Orpingtons, she won 1st and 2nd hen, 3d pullet and 2nd pen, with Blue Orpingtons 2nd and 5th hen.

Write to Miss Hooker and tell her your wants. She can supply them, and also will mail you her catalog. Address Miss H. E. Hooker, South Hadley, Mass.

Since 1855.

The same strain of S. C. White Leghorns has been bred on the farm of that well-known breeder, D. W. Young, ever since 1855. It was at that time that the senior Mr. Young imported his first birds from Italy and from that day right on down to date they have been breeding and improv-

SENSATION BLOOD MAKES FEATHERS RED

Dark, even, brilliant red found to perfection in his descendants. Nine entries in R. C. Reds at South Bend, Indiana, won nine ribbons. Eggs, $5.00, $3.00 and $1.50 per 15. Baby Chicks, 50c, 30c and 20c each. Send for mating list.

W. D. WRIGHT -:- BREMEN, INDIANA

R. C. Black Minorcas Made a Clean Sweep

at the Illinois State Fair, 1913, winning 1st, 2nd, 3rd and 4th Cockerel, 1st, 2nd, 3rd and 4th Pullet
No old stock exhibited. I can furnish you winners for any show. Write your wants and get my prices.

J. S. BALES SPRINGFIELD, ILLINOIS

STUEBE'S WHITE ORPINGTONS

"The Best in The West." My birds have won in Chicago, Indianapolis, Ill. State Show, competing with the best breeders of the east and west. If you want stock or eggs from the "best in the west", write me Square deal and reasonable prices. LEN F. W. STUEBE, R. R. No. 2, DANVILLE, ILL

Buff Orpingtons, Cook Strain

Eggs for sale from prize-winning stock.

VICTOR L. ADELMANN, R. F. D. 1, Beardstown, Illinois

Kelly's Black Orpingtons

Prolific winter layers. Grand type. 1st Prize Pen at three big shows in one year (Cleveland, Buffalo, Cleveland); judged by Richard Oke, A. N. Braun and Hugh A. Rose. Our four classy breeding pens include world beaters and are mated for best results. Book orders for eggs now. Write for catalogue. When writing mention A. P. J.

GERTRUDE H. KELLY, BREEDER WILLOUGHBY, OHIO

S. C. REDS

OUR REDS are bred from NEW YORK and BOSTON winners. They have the dark, rich red color and the correct shape. If you wish quality and at fair prices, write me,

H. D. BRINSER - SOUTH RICHMOND, VIRGINIA

Wingold Buff Orpingtons

Win the CHAMPIONSHIP CUP for BEST DISPLAY at three important shows

CLEVELAND BUFFALO DETROIT

Taking more firsts and seconds than all our competitors together.

Excellent values in $5.00 females and $10.00 males. Eggs for hatching, $2.00 to $15.00 per 15.
Remember we guarantee 12 chicks per setting.
Entire satisfaction assured. Order eggs early. Mating list free.

F. A. POERTNER -:- BOX A -:- BEREA, OHIO

Demgar's S. C. White Orpingtons

Won First and Second Cockerel at New York State Fair, Poughkeepsie Fair, Jersey City and Albany, beside 39 other Prizes and Specials. At Albany we won Special Prize on Cockerel, all Orpingtons competing. They are in our breeding pens. **Eggs for Hatching or Baby Chix.** Send for Mating List, and mention American Poultry Journal.

Mr. and Mrs. P. A. Demgar, Box A, Brown Station, N. Y.

ABERNETHY'S HOUDANS MAKE NEW RECORDS

AT BOSTON'S GREATEST SHOW, JANUARY, 1914

In the greatest class ever shown and with 159 birds competing, my birds won Hen 1st, Pen 1st and Specials, showing in three classes only. This great class was the sensation of the show. I have also won at Philadelphia, Madison Square Garden and New York City.

Eggs for hatching from selected matings, $5.00 and $3.00 per 15

JAS. ABERNETHY High St. West Pembroke, Maine

Billings' R. I. Reds, Both Combs

If you want to get in line for the shows this coming year, buy your eggs for hatching of the man who has the goods. I furnish winners for many shows. I have this year the best matings I ever owned. If you are looking for quality, write to me. Mating List free.

B. M. BILLINGS, Box A, Oberlin, Ohio

LLENROC REDS FORMERLY **ALT'S REDS**

Four years in succession our cockerels have won highest honors at Buffalo. Four years in succession our breeding pens have won best display at Buffalo in competition with the best Reds in the United States and Canada. Eggs from best matings, $15 for 15. Address

JOHN E. HOUCK Black Creek, Ont. — Get Our Free 1914 Mating List — **HENRY W. ALT** 87 Fuller St., Buffalo, N. Y.

Ward's Champion Dark Cornish

The most logical thing to do in any breed is to buy the best.
For the best in Cornish, write America's leading breeder.

John W. Ward, Jr., Box 7, Pennington, N. J.

Home of the Thoroughbreds

Single Comb Rhode Island Reds

Eggs for Hatching, $25.00 per 15 from pen that produced Chicago Pullets, 1912. Also pen headed by first Boston Cock, 1913, mated to sisters of Chicago Pullets. Son of Boston Cock, won first at Madison Square Garden this year. Other matings a matter of correspondence

M. J. BERGSTROM - MENASHA, WISCONSIN

ing on these, the world's famous Young's Leghorns.

The show room record of these S. C. White Leghorns stands unequaled, and as layers their record is too well known to comment on. Proof of what Young's birds really are, is shown in the many advertisements you see in all poultry papers, just note the great number of people who advertise, "We have the Young strain."

If interested in S. C. White Leghorns it will pay you to buy the Young strain, for you can search the world over and not find any better. Write your wants. Address D. W. Young, Monroe, N. Y.

Cleveland's Buff Orpingtons.

One of the finest Orpington farms to be found in Illinois is located just 13 miles out of Chicago at Morgan Park. It is the home of Frank C. Cleveland's famous S. C. Buffs—Buffs that at the recent Coliseum show captured 1st hen, 1st old pen, special for best colored pen, special for best shaped S. C. Buff Orpington female, 2nd cockerel and 4th young pen. This makes the third straight year that Mr. Cleveland has won at the Coliseum.

Mr. Cleveland has just published a beautiful catalog which tells the history of his advent into the poultry industry, beautifully illustrated, telling you all about his pens and the record of each one that heads them. You will find upon reading his catalog that both egg and stock prices are very reasonable, so send and get a copy today. Address Frank C. Cleveland, 10802 Longwood Ave., Morgan Park, Ill.

A Page of Testimonials.

Something just a little different from anything you have ever seen is being sent out by the Reliance Incubator Co. It is a large folder telling you all about their incubator and brooder, and just why they are sold so cheap. But the big part of it is a big page of testimonials from satisfied customers all over the country. A copy of this folder will be mailed to you by addressing Reliance Incubator Co., Dept. A-3, Freeport, Ill.

How About Your Roof?

If you will take note of the new houses being built you will see that the days of the wooden shingle are over. More and more people are beginning to realize that both for wear and protection against fire there is nothing to equal the ready roofing.

Just watch the next fire in your neighborhood, watch the sparks fly on the roofs of the houses nearby, it keeps the firemen busy turning the hose on these wooden roofs where the sparks have fallen. But watch the houses that have the prepared ready roofing, the sparks fall on them and burn out, sparks have no effect on this kind of a roof. This is also true of rain, no matter how hard it rains, ready rofing does not leak nor does zero weather or boiling sun affect it in the least. To learn more about ready roofing, write to Barber Asphalt Paving Co., Philadelphia, Pa., and tell them you are interested in Genasco Roofing.

Selling Day-Old Chicks.

We all agree that the poultry business is assuming immense proportions. We are just beginning to realize the importance of the industry and are classing the business commercially, where it belongs. We must agree that a better class of men, business men, are engaging in the business. In years gone by it was supposed to be of sufficient importance for women and children, but not big enough for a full-grown man. We need only refer to statistics and look about us to get something of an appreciation of the immensity of the industry. We desire to call attention to an institution that has produced a book that is more than a catalog, for the purpose of instructing intending purchasers. We refer to the Michigan Poultry Farm's catalog for 1914. If you have not seen this catalog, write at once, addressing them at Lansing, Mich., and they will send you a copy free.

The Last Word.

In "profit-sharing" is what the Sunnyside Poultry Farms, of Bristol, Vt., advertise. They argue that the "almighty dollar" derived from the sale of eggs is much better than the show room record. Well there is a lot of room for thought there. Do not understand that they mean giving up the show room, but they claim a lot of people overlook the dollars from eggs in their rush for the show room.

This farm raises Barred, Buff and White Rocks, White, Brown and Buff Leghorns, Rhode Island Reds, Orpingtons and Wyan-

dottes, can sell you eggs, chicks or stock in any quantity from any of these breeds. Just tell them your wants, they will do the rest.

This farm made four entries at the late Boston show and captured three ribbons, this record with Buff Rocks. Be sure to write them for prices. Address Sunnyside Poultry Farm, Box 1002 Bristol, Vt.

Must Be Satisfied.

That is a good rule to go by, and no wonder the man who sticks to it is having such grand success.

J. D. Keyworth, owner of Elmwood Farms, Hudson, N. Y., has the above motto. Whenever he sells a customer eggs, baby chicks or stock he does not count the deal closed and the money his until the customer is perfectly satisfied in every way. With this rule it is easy to see why he is kept busy filling orders.

He breeds White and Buff Orpingtons of the very highest type, birds that have won at the best shows in the country. If you are interested in this type of birds write him your wants, for he has the goods and can and will satisfy you. Address J. D. Keyworth, Elmwood Farms, Hudson Falls, N. Y.

Sterling Poultry Farm.

When making a trip through Illinois do not fail to include Sterling in your list of towns. It is the home of the Sterling Strain Rhode Island Reds, both Single and Rose Comb. Just on the edge of the city is the big 35-acre Sterling Poultry Farm, where you will find about 1,000 fowls mated, in all about 36 pens. They have an incubator capacity of 6,000 eggs and brooder capacity for 2,200 chicks. The buildings are all of the open-front type, insuring strong, healthy birds. The Sterling strain Reds are bred-to-lay, and as winter layers are noted all over the country. Then when it comes to the show room, they have made records that any breeder can be proud of.

At Cedar Rapids, Iowa, 1914 show, they won 1st young pen, 3rd old pen, 5th hen and color and shape special on male and female R. B. Club of the World. At Illinois State show, Springfield, they won 1st cockerel, 1st young pen, 2nd old pen, 3rd hen and Champion Red male of show, also color special. At Champaign, 1914 show, which is the Central Illinois meet of S. C. Red Club, they won 3rd cockerel, 1st young pen, 5th hen, 3rd and 4th pullet, two color specials on female, two shape specials on male, Champion Red male, two cups and one cash prize. At the late Peoria show they won two firsts, one second, one fifth, one cup and one cash prize. You will find these different winners in their pens, and we advise you to write for their Spring Number Bulletin at once. Address Sterling Poultry Farm, Sterling, Ill.

White Diarrhoea Here Again.

That terrible plague has again put in its appearance and thousands of chicks are dying from it. In a very interesting leaflet the Duplex Colony Brooder Co., Box 500, Rockford, Ill., put up an interesting argument in which they claim that White Diarrhœa is not a disease, but a result. As usual they appeal to the law of common sense, and while their arguments are radical they really seem to have splendid grounds for their stand. They are worth looking into, especially since they claim their views are the result of successful experiments. They send this leaflet and their catalog of brooder stoves free. Write for a copy. You will feel repaid for both the catalog and leaflet are very interesting, and if their arguments are true it will save the breeders of this country thousands of dollars every year.

Pine Lodge.

Mr. W. H. Depper made a grand move when he entered into partnership with the Blue and Cuckoo Orpington originator, Mr. Art C. Gilbert, of England. Mr. Gilbert is conceded to be the greatest Orpington specialist in the world, and with his famous birds, together with the grand winners of Mr. Depper's, Pine Lodge Farm is without doubt the greatest Blue, Cuckoo and other Orpington yard that you will find. Be sure to write for their catalog and prices. Address Pine Lodge Farm, South Lincoln, Mass.

The Modern Cultivator.

Transportation in the last hundred years has witnessed no more decided advance in its methods than has agriculture beheld in the progress of its cultivating implements.

If one harks back to the days when stirring the ground with a stick was a forerunner of the present-day Planet Jr. two-row pivot-wheel riding cultivator, plow, furrower and ridger combined, he will observe the contrast and realize what the modern cultivator means in world-advancement. This splendid farm machine, the result of a practical farmer's ingenuity, completes the cultivation of two rows of corn, potatoes, and similar crops at one pasasge. It means that even the previous efficient cultivators which lessened labor amazingly are outclassed by this wonderful machine which cuts even their work in half. Moreover, such an implement works wonders in rows of irregular width, and in checkrows it is a surprise to everyone.

While this Planet Jr implement is the highest type of cultivator for extensive farming, there are cultivators of different kinds for every cultivating need down to even the smallest garden patch.

In fact sixty farm and garden tools of these modern types, covering the whole range of cultivating needs, are illustrated and described in a valuable 72-page book compiled by S. L. Allen & Co., Box 1107T, Philadelphia, which they will send free on request to anyone interested in the progress of cultivation.

Your Attention

Is called to the advertisement in this issue of Harry M. Covert, of Terra Haute, Ind. Mr. Covert is an old breeder but a new

BARRED PLYMOUTH ROCKS

Acme Strain—None better. Write for mating list and winnings.

ACME POULTRY YARD, C. A. GIFFORD, PROP., RUSK, TEXAS

Poley's World's Best Buff Rocks

Again Win First Display at Madison Square Garden, N. Y. Dec. 1913

By winning 1st Cockerel, 1st and 4th Pens, 2nd Pullet, 3rd Hen and shape and color specials. Stock and Eggs always for sale. Write for 1914 mating list.

LINFIELD POULTRY FARM John W. Poley, Prop. LINFIELD, PA.

FRITZ'S BARRED ROCKS

Have won their way to distinction in the keenest competition in the Middle West. Their winnings include Quincy, Alton, Indianapolis and the Illinois State Show.

I still have a few extra quality birds for disposal

Book your Egg Order now from my specially mated pens. Mating list mailed free on application.

CHAS. C. F. FRITZ -:- STAUNTON, ILLINOIS

"Sunburst" Buff Plymouth Rocks

America's Champion Winning Strain

At Cleveland, O., Club Show we won—Pen 1st, cockerel 1st, hen 5th, pullet 1st, and best display.
At Beaver State Club Show we won—All five first prizes.
Our Display at Both Pittsburgh Shows were the sensation of the show.

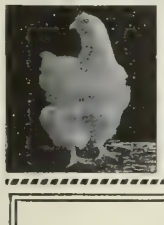
STOCK FOR SALE. EGGS FROM CHOICEST MATINGS. LIST FREE.

VIERHELLER BROS., 17 Sylvania St., Pittsburgh, Pennsylvania

EGGS FOR HATCHING S. C. Buff Orpingtons WRITE FOR MATING LIST

Winners at Allentown, Hagerstown, Pottsville and Washington, D. C.
Headers of Division in N. A. Egg Laying Contest, Thorndale, Pa.

Stock for sale. Old Forge Poultry Farm. Spring Grove, Pennsylvania



BUFF and WHITE.... ORPINGTONS OF QUALITY

SILVER CAMPINES—Champion Strain

A few birds to spare of extra quality at reasonable prices. Also

EGGS FOR HATCHING From pens including all of my noted PRIZE WINNERS. Write for Catalog and price list—it's free.

C. A. KEEFER (A J 5) MUSKEGON, MICHIGAN

HILLDORFER'S

JUMBO S.C. BLACK MINORCAS

Great Layers Great Size Great Quality

They Win at the Club Show, Pittsburgh, Pa., January, 1914
In the Greatest Class Ever Shown, 241 Birds Competing

Championship special for best display, cock 1-2, cockerel 1-3, hen 3, pullet 1-3-8, pen (old) 4th, young pen 3-7, several silver cups and specials, making the best record ever recorded against the best birds ever brought together at any show.

1,000 Select Breeders For Sale

Eggs from choicest matings. Mating list free.

Hilldorfer Black Minorca Farm -:- Saxonburg, Pennsylvania

FREE Illustrated catalogue on White House Strain of Trap-Nested S. C. White Leghorns, Hatching Eggs and Day-Old Chicks. Limited number of Silver Campine Settings.

A. PIEZ & SON, White House Poultry Farms **HAMMONTON, N. J.**

Clean **Grit That Grinds** Sharp

Fill your hoppers with our pure, hard flint rock with the sharpest of edges. Is washed thoroughly and screened so there is no waste.

Made in three grades—No. 1, grown chickens; No. 2, young chickens, and No. 3, baby chicks.

If your dealer cannot supply you, send us his name and we will ship you either grade at 50c per cwt., 200-pound lots. Write us today.

INDEPENDENT GRAVEL COMPANY

Webb City, Mo. Box 387 — Joplin, Mo. Box 70

Sanitary Economical

Illinois Red Farm

Win in 8 of the best shows in Illinois, 30 Firsts, 25 Seconds, 20 Thirds and 10 Fourths, Club Ribbons and 10 Silver Cups, with other prizes on my S. C. Reds. We have 6 of the best pens mated for this year's egg trade we have ever had. We sell from all pens. Write me.

F. E. Gapen, Prop. **Lostant, Illinois**

PITTSBURGH WINNING WHITE ROCKS

Eggs for Hatching From Selected Matings, $5.00 per 13

My Record at this Great Show is Cock 1, Hen, 2-3-5, Cockerel, 4, Pullet, 3, Best Display, etc. My birds have been winners for years. Can fully satisfy you with quality. Send for list.

Lester T. P. Reinecke, 86 Woodlawn Ave., Crafton, Pa.

Rural Ridge White Rock Farm

Winners at Pittsburgh, Pa., February, 1914

In a large, strong class I won Cock 4, Hen 1, Cockerel 3, Pullet 1st. At the Pittsburgh Expo. Show, Jan. 1914, I won Hen 1-5, Pen 4th, in class of 17 birds. Stock For Sale. Eggs for Hatching. My birds have bone and size, are white and bred for great layers. Circular free.

C. W. VOSKAMP 3rd and Ferry Sts., PITTSBURGH, PA.

Golden Buff Orpingtons

I claim to own the two best breeding pens of S. C. Buff Orpingtons in the State. Bred and raised by me. My winnings at the 1914 State Show will speak for themselves. Six years a Specialist. Eggs very reasonable. Send postal for mating list.

A. B. PORTER **Box 4** **LA SALLE, ILL.**

Single Comb White Leghorns Exclusively

D. W. YOUNG'S STRAIN

The finest in the World. Bred for their great winter laying qualities. Milk fed. Over 2,000 layers on free farm range. Largest plant of high class breeders in the world. At farmers' prices. Eggs for hatching now ready in any quantity at $6.00 per 100, no order too large. Baby chicks $12.00 per 100, capacity 6,000 weekly. Now booking orders for March and April delivery.

My book, "Profits in Poultry Keeping Solved" shows where the money is, price $1.00. 5th edition given free with all $10.00 orders. Satisfaction guaranteed. Descriptive circulars free.

Edgar Briggs **Box 144** **Pleasant Valley, N. Y.**

EG-O — MILK — ALBUMEN

MAKES MORE AND LARGER — EGGS — BIGGER AND BETTER CHICKS

55 to 60 Per Cent Protein

MADE FROM MILK

Unequalled as an Egg Producer

INNIS SPEIDEN & CO.

Established 1816

Send for Circulars Address Room 100

120 W. Kinzie Street, -:- Chicago, Illinois

advertiser in our journal. His birds have been heavy winners at many of the leading shows of the country and he guarantees that every bird he sells is bred and raised on his own farm.

He makes a specialty of Single Comb Buff Orpingtons and advises our readers that anyone who buys eggs, baby chicks or stock from him can rest assured that the deal is not closed until he has given them absolute satisfaction. Now Mr. Covert has the goods and he believes in a square deal, so write for his prices.

Electric Hand Lamp for Poultry Men.

A new electric hand lamp that is meeting with approval is called the electric light for poultrymen. The great advantage of the lamp is that it uses one ordinary dry battery. The pocket flashlights have been tried, but as they are only made for flashing, they are not suitable for service requiring heavier work. The one ordinary dry battery feature is a good one on account of this particular type of battery being universal for many different kinds of work, such as door bells, automobiles, etc. Thus every hardware, auto, supply and electrical dealer has a fresh supply at all times.

This hand lamp is designed for continuous burning, and can be used practically as an oil lantern, with the no danger of fire feature, as well as the convenience of turning it on and off in an instant with a twist of the thumb. Rain and wind cannot even flicker the light.

Several engaged in the poultry business have been using the lamp for candling eggs. By having a roll of white paper between the egg and the lens of the lamp they say the system has never been equalled. The lamp will burn in any position. The lamp is known as the DELTA ELECTRIC HAND LAMP, and is made by the DELTA ELECTRIC COMPANY, Marion, Ind.

New and Larger Quarters.

The necessity for larger space and better facilities to handle their increased business compelled the Indianapolis, Ind., and Louisville, Ky., branches of the H. W. Johns-Manville Co. to seek larger quarters. The new address of the Indianapolis branch is 408-410 North Capitol Avenue; that of the Louisville branch, 659-661 South Fourth Avenue. Both of these branches will include ample warehouse accommodations, in addition to show rooms for the display and sale of this firm's varied line of asbestos roofing, pipe coverings, insulating materials, lighting fixtures, automobile accessories, etc. In connection with the last named line, unusual pains have been taken in the equipment of service departments for the benefit of the customers who desire speedy adjustments, repairs or replacements.

Wonderful Partridge Rock and Bronze Turkey Record.

Bird Bros., the Partridge Rock and Bronze Turkey specialists of Meyersdale, Pa., are claiming the "Champion" Partridge Rocks and Bronze Turkeys of the country, and by the wonderful records they have made in the hottest competition in America's best shows during the past three years it is not likely that any other breeders will dispute their claim. This firm's record on their Rocks and Turkeys during the past few years is really nothing short of phenomenal, and their birds in the hands of their customers have been doing the same tricks.

Their two handsome catalogs which are now ready will give you their wonderful prize records in detail. All Partridge Rock and Bronze Turkey breeders who are chasing after the best will do well to write this reliable firm. They are offering some excellent egg propositions this season.

The X-Ray Iucubator.

One gallon of oil is the amount required to bring off a hatch with the X-Ray, the saving in oil being due to the central heating plant. This unique X-Ray principle is patented and is not found on any other incubator. The oil tank and lamp are placed underneath the egg chamber. As heat naturally rises, the X-Ray construction uses all that is produced, and in consequence it is not necessary for the lamp to make any waste heat. The heated air is conducted by the X-Ray tubes to the extreme corners of the egg chamber, and the proper temperature is evenly maintained. The X-Ray Automatic Trip regulates the flame to a nicety. It is asserted that the X-Ray principle commonly saves four gallons of oil to the hatch. Only one filling to the hatch is another point of merit that is exceedingly attractive. After the first filling it is not necessary to put in oil

again. Work and worry are thus dispensed with. The user of the X-Ray starts his hatch and then has practically no care until the next hatch.

The X-Ray book fully illustrates and describes the X-Ray Incubator and Brooder. It contains many facts on incubation that will be found interesting and valuable to any poultry raiser. Any of our readers may obtain a copy by addressing the X-Ray Incubator Company, Des Moines, Iowa.

A Fine Columbian Wyandotte Cockerel.

The recent winnings of the Wilburtha Poultry Farms, Trenton Junction, N. J., at the big Palace and Madison Square Garden shows again emphasize the remarkable quality of the fowls raised on this modern plant.

Their "Wilburtha Chief" Columbian Wyandotte cockerel was an unusual attraction at the Grand Central Palace show and was awarded first prize. While Columbian Wyandottes are their leaders, yet their Columbian Plymouth Rocks, their Partridge Plymouth Rocks and their S. C. Buff and White Leghorns have also won their share of the blue ribbons at the recent shows.

The Wilburtha Poultry Farms have just issued an attractive folder and their 1914 mating list, which will be mailed free to any reader of this paper.

Putting the Modern Roofing Industry on the Map.

Prepared roofing—the modern roofing—has come to stay. It is the natural result of the needs of modern business and modern building methods.

It represents one of the big factors in the "scientific management" of building.

Like every innovation—the first telephone, the first typewriter, the first automobile, the first airship—it bumped smash up against the gigantic wall of prejudice at the very start.

It was a real struggle—the same real struggle that every new industry undergoes before it gets under way. But this new industry had a real champion.

The General Roofing Manufacturing Company, with the tremendous momentum of its broadcast advertising, its aggressive sales policy, its gigantic volume of production, and with the three biggest mills in the roofing industry behind its guarantee—is chiefly responsible for this great and rapid success with which the prepared roll and shingle roofing industry has met.

The quality capable of making good on a fifteen-year guarantee established the faith of the public in the modern roofing industry and set it on its feet.

Now remember, readers, when you think of roofing, think of the name, Certain-teed.

White Diarrhoea.

Mr. Whiting has so persistently declared at the poultry shows and through the advertising of his remedy that he has positively discovered the secret of overcoming White Diarrhœa in chicks, and making whole flocks immune from it, that the larger breeders were finally influenced to give Whiting's White Diarrhœa Remedy a thorough trial.

That was all Mr. Whiting asked, the remedy has done the rest. It has proved itself so magnificently successful that its use is spreading to every part of the country.

"Revolutionizing the Poultry Industry."

Heat, moisture and air, when properly applied to fertilize eggs cause them to "hatch" into chickens. Hens "lay" the eggs, then "set" on them for three weeks and spend another week or two teaching the chicks to do the trick themselves. This was the old way.

When a hen's time became worth 2 to 4 cents a day, however, clever men took to using kerosene to get the heat to do the hatching. This made the present enormous poultry and egg business possible.

Now comes a little invention that seems destined to add another long step toward cheapening the hatching of eggs. This invention enables men to use the marvelous and mystifying power of electricity to hatch the eggs. The hen did a small retail business—expensive. The kerosene made it a wholesale business—much cheaper. Electricity now cuts labor, expense, eliminates chance and produces better results.

Whenever there is an electrically charged wire it is now possible to hatch chickens with a fraction of the labor necessary to run an oil lamp incubator.

The "Lo-Glo" Electric Incubator is the "new hope" of the poultry business, made of steel, can't burn; requiring only the pushing of a button to start. The device

MUNTZ'S WHITE LEGHORNS Great Win at Chicago Coliseum Show, 1913

2d Cockerel; 2d Cock; 5th Hen and 4th Pullet. Only exhibitor winning in every class entered. At Elgin, Jan., 1914, seven silver cups, including Nat'l S. C. White Leghorn cup for best display. Book your egg orders early. Mating List free, send for it. HARRY A. MUNTZ, 565 Spring St., Elgin, Ill.

SCHULTZ'S BUFF WYANDOTTES ALWAYS WIN WHERE COMPETITION IS KEENEST.

AT MADISON SQUARE GARDEN, December, 1913—Four entries, 1st Cockerel, 2nd Cock, 5th Pullet.

AT CLEVELAND, December, 1913, Ohio State Club Meet—Nine entries, 1st and 2nd Cocks, 2nd Hen, 2nd Cockerel, 5th Pullet, 3rd and 6th Pens.

AT HAGERSTOWN, October, 1913—Five entries, 1st Pen, 1st and 2nd Hens, 4th and 5th Cockerels. A total of thirty birds shown, twenty-seven placed.

Stock for sale. Egg circular. Prices very reasonable.

W. F. SCHULTZ P. O. BOX 97 CUYAHOGA FALLS, OHIO

Harbaugh's Black Langshans

Made a Sensational Record at Madison Square Garden, New York, Show, 1914

At this greatest of all shows my birds won an unequalled record of merit from a great quality class. I won: Cock, 4th and 5th; hen, 1st and 5th; cockerels, 1st, 2nd and 5th; pullets, 1st and 3rd; pen, 1st and all Specials.

My Birds Have Won at Philadelphia, Baltimore, Hagerstown, Etc.

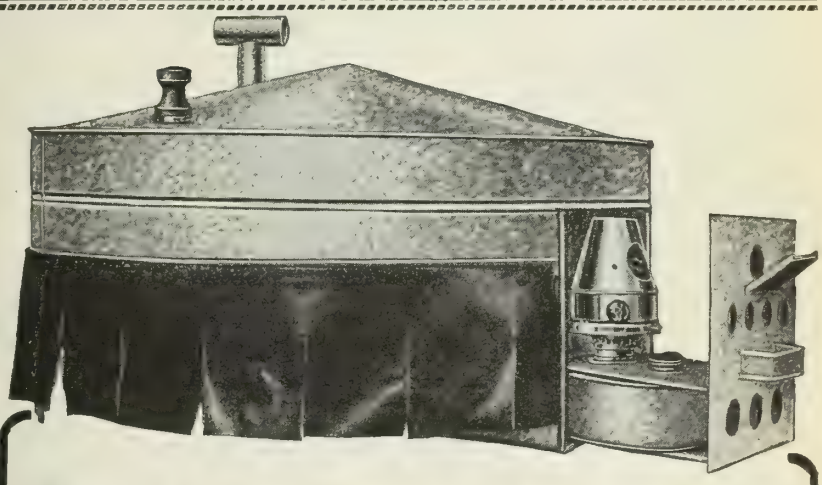
for years and have an unapproached record for winning and breeding quality.

STOCK FOR SALE EGGS IN SEASON

Absolute satisfaction assured to all. Circular free.

I also breed ROCKS, MINORCAS and R. I. REDS. Write me your wants.

FRANK HARBAUGH Box A MIDDLEBURG, MARYLAND



The 1914 Essex-Model Hover

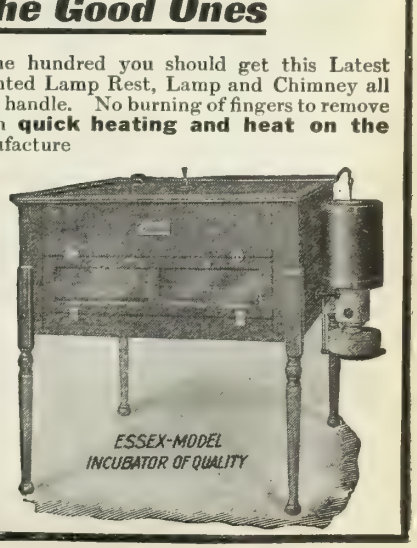
The Best of the Good Ones

Whether you want one hover or one hundred you should get this Latest Improved "Essex-Model" with its Patented Lamp Rest, Lamp and Chimney all connected all lifted out or in by the one handle. No burning of fingers to remove chimney. We challenge the World on **quick heating and heat on the floor where you need it.** We manufacture

America's Largest Line of Incubators and Brooders

19 Styles and Sizes to Choose from. Write for our Free Book containing Seven Chapters as follows.

I —"A Beginning With Poultry"
II —"How to Hatch More and Better Chicks"
III —"How to Breed a Strain of Better Layers"
IV —"America's Biggest Poultry Farm"
V —"The Truth About Poultry Keeping"
VI —"Health and Disease in Poultry"
VII—"The Year's Poultry Work—Month by Month"



Address Office Nearest to You

Robert Essex Incubator Co.

3 Henry St., Buffalo, N. Y., or 97 Barclay St., New York City

(29)

BIRKHOLZ SINGLE COMB REDS

EGG ORDERS NOW TAKEN. 5 GRAND PENS 1912, 1913 AND 1914 WINNERS.
Drop a card for mating and price list.

ERNST F. BIRKHOLZ, -:- CHERRY REDS, -:- WILLOUGHBY, OHIO.

THE RAVEN'S ROSE COMB REDS

Have Won at the World's Greatest Shows

Including CLEVELAND, OHIO, BUFFALO, NEW YORK, and YOUNGSTOWN, OHIO. Also in customers' hands at HAGERSTOWN, MD., and OKLAHOMA STATE FAIR.

Good Cockerels $3 to $5. Pullets $1.50 and up. Descriptive Mating List Free

M. C. De LOOF -:- BOX 171 -:- WILLOUGHBY, OHIO



J. W. PARKS' STRAIN

BRED-TO-LAY

BARRED PLYMOUTH ROCKS

24 "Liberty Bill" sons and daughters in my breeding pens this year for the Egg trade. Circular free. : : : 24

Eggs, $2 per 15; $4 per 50; $7.50 per 100
From selected matings, $3 per doz. straight

O. F. MITTENDORFF : BOX F : LINCOLN, ILLINOIS

CHICKS AND EGGS

Holtzapple's S. C. REDS

Have won at Cleveland, Columbus, Toledo and Ft. Wayne. Orders booked for Spring delivery of chicks. Send for catalogue.

OSCAR HOLTZAPPLE, Box 48, Elida, Ohio

Tolman Fresh Air Strain White Plymouth Rocks

BABY CHICKS AND EGGS FOR HATCHING

The kind that LIVE and GIVE RESULTS. Over 80 per cent of his OLD CUSTOMERS ordered from TOLMAN last year. BOOK YOUR ORDER EARLY. Circular and price list FREE. P. O. ADDRESS

Joseph Tolman, Rockland, Mass. DEPT. H R. F. D. 1
Nearest Railroad Sta., Hanover, Mass.

RILEY'S R. C. REDS win all cups and specials for best display at Buffalo, Rochester and Jamestown, 1913-14. Some of this blood will help you do the trick.

C. E. RILEY, 749 Fillmore Street, Buffalo, N. Y.

COLUMBIAN WYANDOTTES

My birds won more first, second and third prizes at Chicago, Minneapolis, St. Paul and Minnesota State Fair during the last three years than all my competitors combined. When writing mention American Poultry Journal.

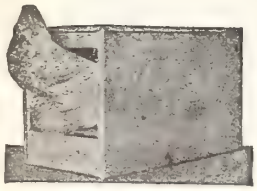
Geo. A. Kersten Washburn Park, Minneapolis, Minn.

The World's Best Wyandottes

Silver, Golden and Whites. They are simply wonderful in lacing, type and color. They have won for me at Madison Square Garden, N. Y. more than 300 premiums during the past 21 years. They win at all the large shows for our customers. We have 500 fine birds yet to spare at bargain prices, lots of males that are simply grand. Our matings were never as fine as this year and contain hundreds of winners. Eggs from our fine regular matings, $3 and $5 per setting.

Try Keller's Wyandottes, you can't miss it, they have been bred for heavy egg production as well as exhibition, for the past 30 years. Also the finest narrow laced golden sebright bantams. Large, finely illustrated circular and mating list free.

IRA C. KELLER Brookside Farms Box 75, Prospect, O.



AUTOMATIC SANITARY TRAP NEST

THE BEST IS THE CHEAPEST

"Best that has come out." Poultry Herald.
"Thoroughly Automatic—nothing to get out of order." American Poultryman.
"Practical, sanitary and sensible." Southern Cal. Poultry Breeders Ass'n.
"There are none compared with it." Judge J. B. Greenfield.
"Works splendidly—tells what each is doing." Rev. D. Earl Rhoads, Ada, Ohio.
"Hens take to it readily—it is splendid." Robert Achurch, Charleston, S. C.
"It has come to stay." Iowa Farmer.

Metallic, vermin proof, durable. Accurately selects layers from non-layers. Has made the 300 egg hen possible. **All hail the Trapnested Hen.** No. C 521, Oregon Station, a trapnested hen bred from trapnested stock just completed 304 eggs in twelve months. Best booklet out—Free. Address:

Automatic Sanitary Trap Nest Co., - Duluth, Minn.

that regulates the flow of heat into the eggs, works automatically and with such precision that when once set a variation of a fraction of a degree either way, up or down, will start or stop a flow of heat till it reaches the exact desired temperature. It does not have to be watched or even touched, once it is started.

The Value of a Dependable Thermometer.

Catching trains with a watch that's sometimes just as slow as the day before it was fast is not a bit less satisfactory than having a thermometer hanging around that goes up or down at its own free will, and without any regard whatsoever for actual temperature conditions.

Guessing at temperature is costly, and a dependable thermometer really costs no more than an instrument made to look pretty and sell profitably. The trade mark "A. E. M." on any one of more than a hundred thermometers for more than a hundred different purposes, is a guarantee of thorough testing, absolute accuracy and practical lasting usefulness, because A. E. Moeller, Brooklyn, N. Y., is one of the largest, oldest, most reliable thermometer houses in the country.

Incubator Most Important Factor in Poultry Success.

After all is said and done, the fact remains that the first and biggest problem in successful poultry culture is getting profitable percentage hatches. In this connection, Mr. J. W. Myers, president of the Reliable Incubator & Brooder Company, of Quincy, Ill., had a few words to say the other day. "There has not been a time," said Mr. Myers, "when the question of the incubator was as important as it is today. Eggs cost money. There can be no disputing that fact, and yet we often see poultry raisers, even men who have had years of experience in the business, putting costly eggs into incubators of such inferior quality that the results are not even uncertain—it's a foregone conclusion that hundreds of fertile eggs will be wasted that might easily have been hatched and produced a good profit.

"I wish that I could impress upon every poultry raiser the fact that they cannot afford to take a chance with their hatching. I believe that the manufacturers themselves are largely to blame. The stress of competition has led sometimes to the manufacture of machines which, because of materials or construction, cannot be other than a loss and disappointment to the user. In the manufacture of Reliable incubators and brooders we have realized that for a poultry raiser to make money, we must give him the best that can be produced. And when one buys a Reliable he buys a real chick maker, not just an 'incubator.' Our thousands of satisfied customers are proof positive of this."

For thirty years the Reliable Incubator & Brooder Company have been known the world over for the quality of their production. Their new catalog will be sent to any of our readers who will send their name and address on a post card.

More Than 1,000 Bales Behind in Their Orders.

The only trouble the O. K. Company ever experiences with O. K. POULTRY LITTER is the difficulty of keeping up their stock. No matter how much they ship, or how greatly they increase their orders, the demand keeps ever on the increase.

As "Mr. Postum" says, "There's a Reason." No other material in any particular equals O. K. LITTER as a litter for all sorts of poultry or in brooders. And no matter how cheaply you can buy even straw, you will find, when figuring everything up, that O. K. Litter lasts so long, saves so much trouble and labor, and is so valuable after it's finished as a litter, that there's no comparison between the cost.

Red W. Farm.

One of the neatest mating lists reaching our desk is being sent out by the Red W Farm, of Wolcott, N. Y. Illustrated throughout with pictures of their birds, also views of their big farm, it also gives a list of their latest winnings, including New York State show, Greater Buffalo and Rochester shows.

This farm makes a specialty of Rose and Single Comb Reds, Princess strain. Their prices are very reasonable, and it will pay you to write them. The owners are Wadsworth & Caster, address Wolcott, N. Y.

Single and Rose Comb Rhode Island Reds.

Mr. Harold Tompkins, Concord, Mass., has proven himself a persistent and loyal "Red Man," and the chip of a worthy old block, a family who has done so much for the Reds in particular and better poultry in general. For years we have seen him exhibiting his stock at our best and greatest shows, and at each we have seen him win the honors and recognition that have been a credit to his line and his succesful work, all of which he well deserves.

In Single Combs we note by the records that he has won since 1911 at Boston, Mass.; Portland, Me.; Manchester, N. H.; Brockton, New London and other prominent exhibits. At Boston, 1913, 1st pen, 5th cock and 5th hen, with shape special, etc. At Boston, 1914, 1st pen young, 1st pen old, 4th cock, 5th hen, 3rd pullet. Both his winning pens were greatly admired for their evenness and superb high quality. We handled these birds and appreciate such rare quality.

For this season Mr. Tompkins has mated eight matings headed by his famous males, a description of which with their mates is given fully in his mating list, which all interested breeders should have. Here are the 1st pen cockerel at Boston, 1913, a superb bird, remarkable in type and color and a noted breeder of quality.

The 1st pen cockerel at Boston this year (1914) heads another glorious pen of females; all are winners and all of desired quality, a very even and choice lot that should breed some of the best. His other matings of Single Combs are just as carefully made and with evenness and sound color the feature.

In the Rose Combs Mr. Tompkins has also been most successful in exhibiting at the great shows. At Boston, 1913, he won 1st prize cock and shape and color male specials, gold special for best Red male and $100 silver cup for best male in the show.

At New Haven, Conn., December, 1913, the R. I. Red Club annual meeting show, and in a class of 123 Rose Combs, he won cock 4-5, hen 3-4-7, cockerels 1-2-3-7, pullet 1-7 and pen 3, special for best display, sweepstake champion medal for best male in the entire show and all shape and color specials on males and females.

At the great Madison Square Garden, New York, show, 1913-14, cockerel 3, pen 3. At Boston, 1914, cockerel 3, old pen 1, young pen 4. This is a line of winning up to date made at National shows that stand for quality of the best.

In Rose Combs for this season he has but six matings, all of which are of a very high order in evenness and superior quality. Again we say send for his mating list, it is free to all for the asking. Mr. Tompkins still has for sale some choice stock which he offers at most liberal prices and after May 15 will sell a share of this year's breeders at special sales prices. Write him your wants and mention A. P. J., please.—H. P. Schwab.

Are You Making Money?

Think of the thousands and thousands of breeders who still throw food for poultry on the ground or floor, to feed the birds and rats, and some to be wasted in other ways, when they might have the protected, sanitary, loss-proof metal feeders made by Atsatt Bros.

Then think of the ill-flavored eggs, of the small eggs, that come partly through foul water holders, when sanitary, easily-filled fountains such as Atsatt Bros. make, are so inexpensive, and so thoroughly practical. Think of how many chicks are lost directly and because of weakened conditions through the use of dirty, improperly made lamps, when Atsatt Bros. offer the "Zero" Safety Incubator and Brooder Lamp, that has no equal. Those who are making money in the poultry business are amply provided with such utensils, but there are still plenty who jog on without ever figuring up whether they are making money.

How to Kill Lice.

This is a problem that confronts every poultry raiser. It is almost impossible to rid the chickens entirely of lice with powder unless same is applied every two or three weeks, and besides it is a great deal of trouble to apply the powder. There is a new product on the market which is very easily applied, will rid the birds from lice with one application, and is by far the cheapest article on the market for this purpose. This new product is Licene, a scientific compound with strong lice exterminating and antiseptic properties. It is very easily applied, and two applications a year will positively keep your hens free from lice. The price is 50 cents. Address Licene Co., 1500 Pontiac Bldg., Chicago.

S. C. WHITE LEGHORNS

Winners: 1st Cockerel, 1st and 2nd Pullet and 1st Pen at the great State National S. C. White Leghorn Club Meet held at Elgin, Ill., January, 1914. 300 of the noble variety in competition. The hottest class ever held in the state. Send for descriptive catalogue to

W. L. FERN **682 Slade Ave.** **ELGIN, ILL.**

43 Varieties

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.

MISSOURI SQUAB CO. **Dept. R** **KIRKWOOD, MO.**

ANCONAS

Crede's Superior S. C. Anconas, winners at Illinois State Fair, 1913, and the Great Coliseum Show, Chicago, 1913; also First, Fourth and Fifth Cockerels and First Pen, Elgin, 1914; 2,000 birds in show. Cockerels, day-old chicks and eggs in season for sale.

WM. CREDE **670 Slade Ave.** **ELGIN, ILLINOIS**

ROUEN DUCKS

Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings.

SWEETBRIAR FARM

Louis B. Schram, Prop. **ELBERON, N. J.**

ELOSSER BLACK LANGSHANS

WIN AT THE NATIONAL CAPITOL SHOW

Held at Washington, D. C., December, 1913: Cock, 1-2; Hens, 1-2; Cockerels, 1-2; Pullets, 1-2; Pen, 1, and all Specials. My line for size, shape and color are unapproached and have been winners for years.

STOCK FOR SALE. EGGS FOR HATCHING FROM CHOICEST MATINGS.

Write me your wants. Pleased to know you.

PORTER ELOSSER **-:-** **CUMBERLAND, MARYLAND**

NOW IS THE TIME

DON'T WAIT until they are all gone—place your order TODAY for

BABY CHICKS BRED FROM WINNERS

SINGLE COMB WHITE ORPINGTONS

MATING PENS NOW READY. EGGS $15.00 A SETTING for first winners and $10.00 a setting for all others. UTILITY PENS—SPECIALS, $25.00. Pullets, $5.00 to $15.00; Special prices on five or more.

A FEW HIGH CLASS PARTRIDGE PLYMOUTH ROCKS.

"STONESTREET," the Yard that Furnishes Prize-Winning Birds

PARK POULTRY YARDS

GLENDALE

MRS. REGINALD STONESTREET **NASHVILLE, TENN.**



Best Hen in Whole Show. Columbus, Georgia, 1912.

BARRED PLYMOUTH ROCKS

210 Eggs in 259 Days

This was the official record made by one of the females in our pen at the International Egg Laying Contest at Storr's Agricultural College last year. Our five birds in this pen made a record of 836 eggs in 9 months and 11 days of actual laying. Eggs for hatching. Send for catalogue.

MAPLE GRANGE POUL. YARDS

S. M. GOUCHER, MOORESTOWN, N. J.





SWASTIKA STRAIN OF SINGLE COMB

WHITE LEGHORNS

ILL. STATE FAIR, AURORA AND DE KALB PRIZE WINNERS

I have six (6) of the finest Matings this year that can be found anywhere, with quality to burn, all headed by prize winning males and mated to produce the very best of the best, ranging in price from $2.50 to $10.00 per setting. Could you ask for more?

You can't get better quality—better TREATMENT—better satisfaction ANYWHERE. Egg orders booked Now. Handsome 1914 Mating List Sent Free.

Stock, Hatching Eggs, Baby Chicks

Read on page 48 Jan. A. P. J. the article, "Are Your Hands Clean," and then write to

SWASTIKA POULTRY YARDS

O. E. FAXON, Prop. **Box 543A** **PLANO, ILLINOIS**

STAFFORDDALE FARM
PLYMOUTH, - MASS.
Morrison's S. C. Reds have won wherever shown **Blue Orpingtons.** 6th Cockerel at Boston, January, 1914, heads our best pen.
Silver Penciled Plymouth Rocks. Winners of the blue at several shows. EGGS. **J. L. Morrison**

ZIMMERMAN'S R. C. REDS
Won at Cleveland, January, 1914, 1st Cock and Color Special; 2d and 3d Pullet and 5th Hen. Grand Pens mated for egg trade. Send for mating list. Mention American Poultry Journal
W. F. ZIMMERMAN - - - - WILLOUGHBY, OHIO

HIGH STREET FARM — S. C. WHITE LEGHORNS
Win at Three Shows—13 Firsts, 8 Seconds, 3 Thirds, 2 Fourths. They represent best quality and type. Are bred for heavy laying qualities. Pens headed by cock birds direct from D. W. Young. Mating list ready. Satisfaction guaranteed. CHAS. MYERS, CARROLLTON, ILLINOIS

BIRDS OF CLASS **CLEVELAND'S S. C. BLK. MINORCAS**
Winners this year at four of the big shows. Four special pens being mated for the egg trade. Write for booklet, it is free. Elmer Cleveland, Imlay City, Mich. Member of S. C. B. Minorca Club.

Drinking Fountains
Protect your fowls from their own contamination and supply them with fresh, pure water at all times. We have these fountains in all sizes. Prices, from 15 cents for quart size to $2.25 for 4-gallon size. Sold under positive guarantee of money refunded if not satisfied, Send for catalogue today.
SIMPLEX SUPPLY HOUSE, Pontiax Building, CHICAGO, ILLINOIS

LUCIA STRAIN S. C. WHITE LEGHORNS
Winners at Buffalo's Great Show, November, 1913. Bred in line for superior quality and admired by all who have seen them. My Third Cockerel at Buffalo, although immature, was the sensation of the class. Judges Cleveland and Schwab pronounced him worthy competitor for any show.
Stock for Sale—Eggs for hatching from choicest matings. Write me your wants please.
ALBERT WALDRON -:- TITUSVILLE, PA.

Perfection Blue Barred Rocks
Chicago, Davenport, Cedar Rapids and Aurora Winners of 1913 and 1914
I have 8 fine pens mated now. EGGS, $2, $3, $4 and $5 per 15. Quality eggs and a quantity hatch assured. Book your orders now. It pleases me to please you.
S. N. TREMPER, LOCK BOX 738, SANDWICH, ILL.

Jersey Lawn White Wyandottes
I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, half price now. Write for mating list.
Harry Cass -:- Buffalo Hart, Illinois

THE BEST IN WHITE RUNNERS
We have bred, sold and exhibited more strictly high class White Runners than any one. Can furnish you winners or selected breeders.
Mrs. U. R. Fishel : Box A : Hope, Indiana

ORPINGTONS OF THE SUPERB KIND
White, Buff, and Black. Imported and choicest of domestic stock, show birds, excellent breeding trios and pens, and young birds for sale at small prices. Catalogue Free. Correspondence solicited. Mention American Poultry Journal when writing.
BRUCE Poultry & Stock Farm
Lynbrook, L. I. N. Y.

45 STRAIN **FORDHAM FARM**
BELMAR, NEW JERSEY
Light Brahmas
Pekin Ducks
Exhibition and Utility Stock
Dutch Belted Cattle
Jersey Red Pigs
Won 1st Pen, Madison Square Garden
Won 1st Cock.
Won 1st, 2nd, 3rd, 4th, 5th Hens.
Won 1st Cockerel
Monmouth Poultry Club.
E. J. STROUD, Owner

Sworn Statement Made Under New Postal Law.

Statement of the ownership, management, etc., of AMERICAN POULTRY JOURNAL, published monthly at Chicago, Illinois, required by the Act of Aug. 24, 1912.

Note—This statement is to be made in duplicate, both copies to be delivered by the publisher to the postmaster, who will send one copy to the Third Assistant Postmaster General (Division of Classification), Washington, D. C., and retain the other in the files of the post office.

Editor—James W. Bell, Chicago, Ill.

Managing Editor—Dr. Prince T. Woods, Silver Lake, Mass.

Business Manager—James W. Bell, Chicago, Ill.

Publisher—American Poultry Journal Pub. Co., Chicago, Ill.

Owners (if a corporation, give names and addresses of stockholders holding 1 per cent or more of total amount of stock:

James W. Bell, Chicago, Ill.
H. M. Bell, Congress Park, Ill.
Henry G. Eisert, Chicago, Ill.

Known bondholders, mortgages, and other security holders, holding one per cent or more of total amount of bonds, mortgages and other securities:

There are no bonds, mortgages or other securities outstanding against American Poultry Journal Pub. Co., Chicago, Ill.

James W. Bell, Business Manager.

Sworn to and subscribed before me this 16th day of March, 1914.

[Seal] Hy. G. Eisert, Notary Public.

Black and Buff Orpingtons.

Mr. L. O. Kettering, of the Sandy Lick Poultry Farm, entered a pen of his S. C. Black Orpingtons at the late M. S. Garden, New York, show, the females arriving all right, but the male did not appear in his pen during the show, but was returned with the rest of his birds and in good condition. This was a beautiful pen of birds, and all concerned regret that they could not compete, for no one to this day knows where the male was during the show.

Mr. M. F. Delano, who judged the Blacks at New York and later saw this pen complete, stated that if they had all been there, they surely would have won third prize pen or better at the late M. S. Garden, New York, show.

We think it but just to state this case as it is and for the benefit of Mr. Kettering and all interested, for we have seen a letter from Mr. Cleveland to the above effect. Mr. Kettering only wishes to be put right in this matter. He has a grand line of birds, as his late winnings at Pittsburg and other shows will prove. His address is 966 Liberty avenue, Pittsburgh, Pa.—H. P. Schwab.

CARMAN'S WHITE WYANDOTTES
I have four of the grandest pens I ever mated for my egg trade. Eggs from pen 1 and 2, $5.00 per 15, pen 3 and 4, $3.00 per 15. A few good cockerels left from $2.00 up. Order direct from this ad. Satisfaction guaranteed. O. A. CARMAN, Petersburg, Ill.

White Rocks Fishel Strain
Regal White Wyandottes
Baby Chix $15.00 per hundred up.
Hatching Eggs. Mating List.
T. F. Richardson, "Colfax", Evanston, Ill.

KRUGER **LEGHORNS**

SEND FOR CATALOG
Eggs, Chicks. For business and beauty, large numbers pedigreed, trapnested. Shipped anywhere.
Kruger Egg & Poultry Producers
Ave. H Sallis, Miss.

A MILLION HENS USE
Wellcome's Famous
"Ideal" Trap Nest
Shows which Hen Laid the Egg
New Principle, 100 Per Cent Efficient
F. O. Wellcome Box J Yarmouth, Me.
Write NOW for prices and proof.

He Satisfies.

Of the many catalogs that we have received one of the most attractive ones is being issued by H. W. Halbach, the White Rock breeder of Waterford, Wis.

Mr. Halbach is the owner of "Riverdale Farm" and is known the country over as the poultryman who satisfies.

This catalog covers thirty-two pages, each and every one of which is brim full of valuable information, with special articles on the care of breeders and the raising of chicks. Illustrated with a number of halftones, showing these famous White Rocks; also a number of pictures of the farm and a two-page spread showing the "old man" and his helpers, the powers that be that have made the Halbach strain of White Rocks famous. These birds were exhibited at the leading shows the past season and in every case came out with flying colors. It is these ribbon winners that head the many pens they have mated, so you cannot go wrong in buying eggs from the Riverdale Farm. This beautiful catalog will be mailed to your address upon receipt of twenty cents. Address H. W. Halbach, Riverdale Farm, Waterford, Wis.

A Great Record.

In the show season just ended A. & E. Tarbox, of Yorkville, Ill., came in for their share of ribbons. Showing their Silver Wyandottes at the club meet in Baltimore they won 1st, 2nd, 3rd and 5th hen, 5th cock, 5th cockerel, 4th and 5th pullet, 1st pen, president's cup for best cock, cockerel, hen and pullet, silver cup and pitcher for best display, special for best shaped female also for best colored female, besides 19 other specials. At February, 1914, St. Paul show they won 1st, 3rd and 4th cock, 1st and 3rd cockerel, 1st and 2nd hen, 1st and 2nd pullet, 1st pen, also one special and two cups. At the same show with Silver Campines they won 2nd cockerel, 3rd and 4th hen and 1st, 2nd and 3d pullet. At Aurora show their Campines won 1st, 2nd and 4th cockerel, 1st hen, 1st and 5th pullet, 1st pen and cup for best display.

These winners, with others, will be found in their mating pens, so send for their list. Address A. & E. Tarbox, Yorkville, Ill.

White Diarrhoea.

One of the many remedies on the market for the cure of White Diarrhœa is put up by the Nabob Remedy Co., Box A, Gambier, Ohio. These people must have the goods, for they advertise that they will refund the purchaser his money if after trying the entire order he is not completely satisfied.

"Oculum" Relieves Roup.

The testimonial below is from a big breeder who had hundreds of birds with roup in serious form:

"I have cured 135 hens with 'Oculum' and have 70 more under treatment that are doing nicely. The bunch I inoculated that I was finding 8 or 10 cases in daily I haven't found any for a couple of days. And I trust my troubles are waning. I was getting 20 eggs per day when I inoculated the first time three weeks ago—and got 300 today (March 6).

"D. B. McNeil.
"Cunningham, W. Va."

Any man who wants to get eggs and keep down disease will make no mistake in using "Oculum." Tests like the above tell the truth. See ad in this issue.

Henry Pfile of Freeport, Illinois, is sending out a very neat catalogue telling about his farm and stock. Mr. Pfile has about 1,500 chickens, 500 ducks and 200 geese. At the late show held in Freeport he entered 75 birds, capturing 54 firsts, 14 seconds, 4 thirds and 3 fourths. These are described in his catalogue, a copy of which will be mailed on request.

A new round feeder for little chicks that affords protected feeding space for a great number at one time, and one that cannot be upset, has been invented by Mr. A. B. Moe of Chicago. This is a great feed saver, as the little chicks cannot get into the feed and waste or contaminate it. It is not a novelty but a useful and inexpensive article that will appeal to every breeder and last a lifetime.

This article has been added to the Moe's Line of Useful Poultry Supplies and is fully described together with a great number of other good things for the poultry raiser in the new No. 4 catalogue just issued by the Otis & Moe Manufacturing Company, Otis Building, Chicago. Write for one today.

Best in the South.

That is what you hear whenever anyone speaks of the White Plymouth Rocks owned by W. J. Brinkley, of Iuka, Miss.

Beyond a shadow of a doubt Mr. Brinkley has a flock of beautiful birds, and



Crown Bone Cutter

Cuts up scrap bones easily and quickly—no trouble. Feed your hens fresh cut green bone daily and get more eggs. Send for catalogue.

Best Made Lowest in Price

WILSON BROS., Box F25, Easton, Pa.

$50 in Cash Prizes for 1914 Chick Growers. See Page 653

GET READY FOR THE GREATER BUFFALO SHOW THANKSGIVING WEEK 1914 PREMIUMS PAID IN GOLD

Keep More Healthy Birds

Make Less Work—More Profits

If you believe that healthy birds in your poultry yard make wealth in your bank book—insist upon having Kentuco Ware. You can raise *more* birds—keep them *healthier*—and save money on feed with

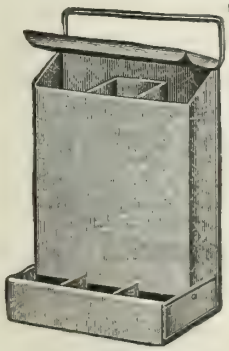
KENTUCO Poultry Ware

We have experimented repeatedly to get these results for you. For example, study the Kentuco Grit or Food Box illustrated here. We made and discarded no less than 15 different styles before this style was accepted. Now, we know of no other feed box in the world that can equal its service. Food or grit cannot clog in the reservoir—it cannot be wasted or polluted in the tray—you cannot pull box apart. Kentuco Fountains are galvanized *after* they are made. That's why they are *entirely* rust-proof.

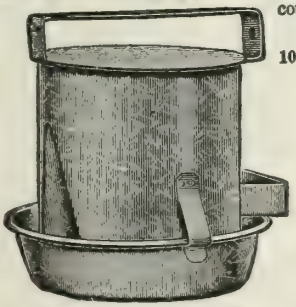
Ask your dealer for Kentuco articles. Their prices are no higher than those asked for most poultry ware, yet benefits of service are incomparable.

Write us for the big folder which tells the real facts about poultry ware. Also ask for the Kentuco Jar Fountain—free. In writing please mention your county as well as your city and state.

Kentucky Stamping Co.
104 N. 15th St. Louisville, Ky.



Kentuco Grit or Food Box
Prevents birds from wasting feed—there is always feed in the tray.



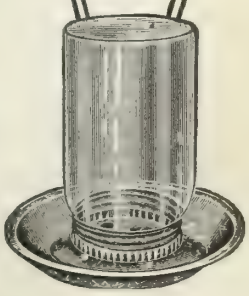
Kentuco Sanitary Wall Fountain
Can be taken apart and cleaned with a brush. No other fountain in the world like it.



Kentuco Two Piece Fountain
Absolutely rust-proof. Cone top keeps birds from perching on it and polluting water in the tray.

This Fountain Given Away

Kentuco Jar Fountain
If you will pay the postage and packing, we will send you the metal base for this handy jar fountain *free.* This is just to let you know more about the Kentuco Poultry Ware. Send ten cents in stamps.



wherever shown they are sure to capture blue ribbons, as is proven by his wonderful record the past year. At every large show in the South these birds captured more than the lion's share of ribbons, making an exceptionally grand record both at Little Rock and Memphis.

We doubt if there is a finer and better equipped poultry plant in the South than Mr. Brinkley's. It covers acre after acre, allowing the birds free range, while all through it is studded with beautiful pine trees, allowing ample shade. His breeding pens and houses are the very best; in fact, the plant is strictly modern in every way, and a visit there will afford you a great amount of pleasure, besides teaching you just why these birds are called the "best in the South." If you are interested in this type of fowl you owe it to yourself to get their prices, for they have the goods, and Mr. Brinkley's manager, J. H. Sledd, would rather tell you about these wonderful birds than eat. Address W. J. Brinkley, Iuka, Miss.

———o———

A Fortune in Poultry

Given a stub pencil and a scrap of wrapping paper, he is a poor financier who cannot make a fortune from poultry in ten minutes of uninterrupted figuring. It's so easy—on paper! Thousands have done it, and have come back to earth with a dull thud when they attempted to make their figures come true.

Few who have not been "through the mill" realize what a large amount of technical knowledge is required in order to make a success with poultry. The great "secret of success" with poultry is knowledge of the principles of poultry husbandry—not gold dollars or broad acres. Poultry raising can be successfully conducted on the back end of a city lot, a living can be made from poultry on a few acres of ground, and very little capital is required to start—if you know how! Too many people waste valuable years in costly "experimenting" instead of profiting by the knowledge and experience of specialists who have made a life-study of the poultrymen's problems.

Poultry raising, properly conducted, is one of the most fascinating, healthful, profitable and useful of occupations. To the lover of nature it offers a marvelous opportunity to study her laws, and in the proper use of them, to bring into the world new creations of beauty and symmetry. To the tired business or professional man it offers a pleasant and healthful, as well as profitable, recreation from the more strenuous duties of life. To the clerk and the office man who feel old age creeping on, to the woman who finds herself suddenly bereft of her former means of support—to all who have heard the "call of the hen," it offers a dignified means of livelihood. Success is sure to come to the person who prepares for success by a thorough mastery of the foundation principles upon which the industry is builded.

The sure way to success is offered through the American School of Poultry Husbandry, located at Mountain Grove, Mo. The fact that T. E. Quisenberry is president of this school is proof positive that you will learn just what to do and how to do it. Write for their catalog.

———o———

Tywacana Quality

Thirty-two miles from New York City—out at Farmingdale, Long Island—there is located one of the most ideally situated poultry farms in this country. Nestling among the picturesque hills and oak trees, the Tywacana Farms combine superior natural advantages of soil and elevation with quick and convenient access to the greatest market and shipping point in the country for farm and poultry products.

The poultry plant at Tywacana Farms covers an area of 250 acres, ample room for raising husky, vigorous fowls. This place is run on a high standard of efficiency—there are no elaborate frills but everything is kept spick and span. The same high ideals are held in regard to

The Best S. C. White Leghorns in America

The Best S. C. White Leghorns in America, will, we honestly believe, be hatched from our matings this season. If you could see the marvelous quality in all our pens, you would say so too. We entered in 23 classes in four shows this season and won 1st in 20 classes and 2nd in the other three.

We have won more firsts, specials and other awards in the past four years at the Grand Central Palace, New York, Boston, Hagerstown and Philadelphia than all our competitors combined.

At the last **Palace, New York, show,** in what everyone conceded to be the strongest and best class of Leghorns ever exhibited in this country (don't take our word for this—look up the comments in any poultry paper), we won the display prize by over **1,000 points more than our nearest competitor, besides Best Pullet and display in the whole Show.** Our stock has not only won for us—it has won for our customers in most every part of this country and Canada.

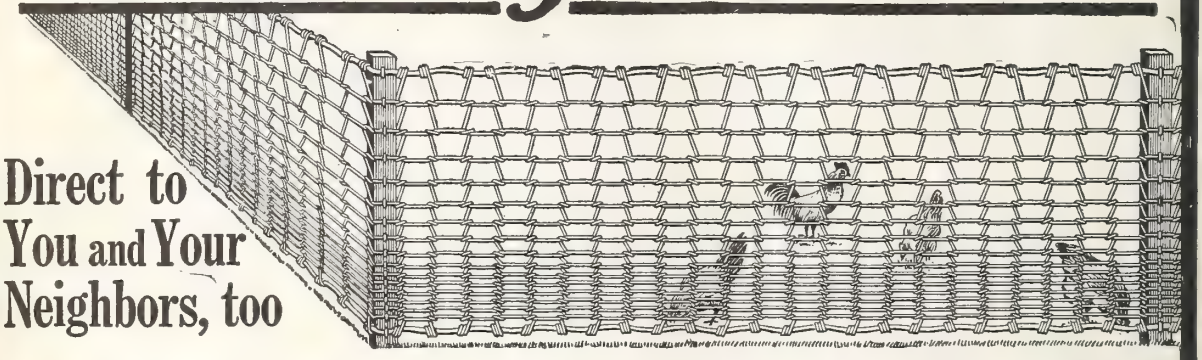
Hatching Eggs 60c each from first 10 pens, everyone headed by a champion male; 35c each from pens 11 to 20, each headed by a prize-winner; 20c each or $15 per 100 from good pens headed by cracker-jack males. Send for catalog and mating list. Mention A.P.J.

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Poultry Fence



Direct to You and Your Neighbors, too

48 INCHES HIGH 22½c A ROD. 60 INCHES HIGH 25½c A ROD.

Not a flimsy netting but a fence requiring fewer posts and no base boards or top rail. Spacing between the line wires graduated from 1⅛ inches, at bottom to 4½ inches at top. Stay wires 4½ inches apart.

Top Wire Bottom Wire Line Wire Stay Wire

Positively the greatest poultry fence bargain ever offered—you can't afford to buy any other kind.

48-INCH COMBINED POULTRY AND STOCK FENCE 27¾c PER ROD.

A heavier fence having the same construction as above and while close enough for small chicks yet strong enough to turn stock. Stay or upright wires in this style fence are 6 inches apart and the spacing of the line wires graduated from 1¼ inches at bottom to 6 inches at top. Following shows exact size of wires used.

Size of Top and Bottom Wires — Line Wire — Stay Wire

All Fence Sold Direct to You at Factory Prices.

Large Illustrated Catalog showing over 100 styles of Farm, Poultry and Lawn Fence mailed FREE on request. WRITE NOW—before you forget it.

KITSELMAN BROTHERS, 295 So. Council St. MUNCIE, INDIANA.

the quality of the S. C. White Leghorns, Barred and White Plymouth Rocks—the breeds with which this plant specializes. All breeding stock has been carefully selected and even more carefully bred to produce a strain of heavy layers that are also high in "Standard of Perfection" qualities.

Any reader who desires to improve the blood of his or her flock of Leghorns or Rocks will make no mistake by writing to the Tywacana Farms Poultry Co., Farmingdale, Long Island, for their big new catalog.

U. R. FISHEL, HOPE, IND.

"Fishelton," the Largest Specialty Poultry Farm in the World, Devoted to White Plymouth Rocks.

Written by H. P. Schwab, Irondequoit, N. Y.

When stepping from the train at Hope, Ind., we murmured "At last" to ourselves, for a wish and a desire of many years was at last to be granted. For years we had heard of, thought of and as time passed had more and more desires to call upon Mr. U. R. Fishel at his home and to see his place and stock and when the opportunity came in February after our work was completed at the Indianapolis show we were quick to accept the invitations extended graciously by both Mr. and Mrs. U. R. Fishel, and within a few days thereafter took train for Hope.

We well remember the first time we met Mr. Fishel and his birds, years ago at the great New York State Fair, where he won all honors and his exhibits of forty White Rocks were the sensation of the entire exhibit of 5,000 birds. It was his first trip east and he captured it easily at one attempt and made a lasting impression, winning unfading fame thereby. We also remember his exhibit at Chicago years ago when he came with thirty-two cockerels entered that were beyond the reach of the other exhibitors and in itself formed a class of wondrous beauty and value; they were the class in type, of the best color and condition and very similar in type and style and from that day on one of our fondest hopes and desires has been to visit the home of Mr. Fishel and to see his whole line just as they are under their natural home conditions.

Mr. Fishel has a beautiful home but a mile from town; its surroundings are naturally beautiful. It is a homelike home—so grand, still so simple that it is magnificent. The mantle of snow that covered the earth could not hide from our imagination the beauties to be seen here at seasons when nature is at its best. The trees, shrubs and garden were having their annual rest, to blossom out soon in all their glory. It is an ideal fancier's home within and without, the result of Mr. Fishel's successful labors for him to enjoy. We hope to again visit Mr. Fishel some day and under better conditions, for the day was a bitterly cold one.

On leaving the house we had a general view of this mammoth plant—as far as the eye could reach coops and houses were in sight; to the left the shipping house, a large building with ample room filled with coops, where the birds are brought for comparison and selection; back of it the conditioning houses and wash room, and to the rear of them the brooder house and incubator cellar with its giant machine of 10,000 egg capacity and many small machines besides.

The packing room, where eggs are kept and where they are packed for shipping, is a model in convenience. It has to be to properly handle the thousands of egg orders shipped from these farms yearly.

From here the breeding houses and parks extend farther to the left, way over to the right and in front, covering 130 acres of land. For breeding, small coops, generally known as colony houses, are used. We also like this plan best. They are well suited to a pen of birds, are warmer than the large houses and afford larger and better runs. Here these houses are set in parks of fruit trees and each park contains about a half acre of land, with grass and shade from the trees. This method is ideal and is worth the extra cost for it insures health and vigor and insures fertility.

Although the day was bitterly cold it was delightful to see the birds in these houses, working away, singing and in the best of condition. It is the best recommendation we know of for small, select matings, small houses and large parks for them to roam over.

Here on this great plant we saw White Rocks in quality and quantity. We dare say there were over 5,000 White Rocks there at the time of our visit, and a royal fine lot they were. Here we saw Mr. Fishel's late winners at Cincinnati, Ohio, Show, where he won cock's 1st, 4th and 5th; hen's 1st, 2d, 3d, 4th and 5th; cockerel's 1st, 2d, 3d and 4th; pullet's 1st, 2d, 4th and 5th; old pen's 1st, 2d and 3d; young pen 1st, 2d and 3d; grand sweepstake silver cup and $50 gold for best display any variety; silver cup for best display in the American class; cup for best display White Rocks; cup for best two birds in each class; cup for best cock, hen, cockerel, pullet and pen, and five other championship cups. A win without a parallel in the history of standard-bred poultry.

This is but one of the records Mr. Fishel has made. He has been making them for years. At Hagerstown, Md., the great early show two years ago he made a similar record. This is one of the strongest shows in the country. We know for we have worked there and realize it takes the best to win. Mr. Fishel won all the first prizes and a big majority of all the other awards, several cups, championship medal for best cock in the entire show and for best pullet in the entire show.

The same kind of records, winning all leading prizes, were also made at the Indiana State Fair, the Illinois State Fair, Tenessee State Fair, the Great Louisiana Purchase Exposition, St. Louis World's Fair, the largest poultry exhibit ever held, and at other large and prominent shows east and west, completing a line of winnings that surely places this line up with the greatest winners of today and of the past. It is a record that has taken years and years to make and one that will stand for years as absolute



CHICKS

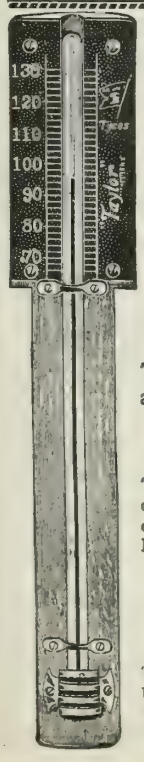
that will grow into prize-winners for you. Now is the time to get your chicks. Order direct from this adv. Catalog free. Here is our price—order as many as you want. Our Specialty:

Barred Rocks and W. Leghorns

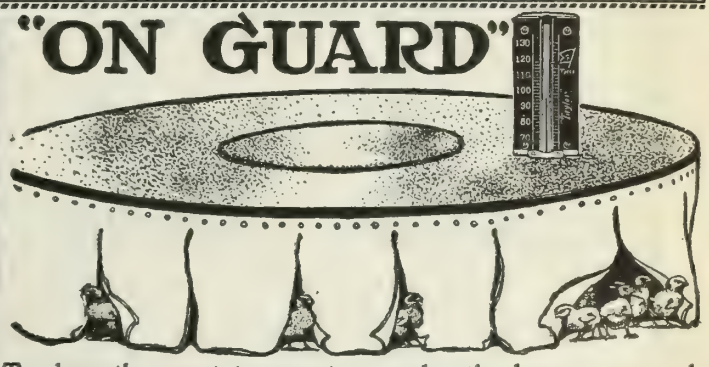
	Per 25	Per 50	Per 100
S. C. White Leghorns	$2.50	$5.00	$10.00
S. C. Brown Leghorns	2.25	4.50	9.00
Barred Plymouth Rocks	2.75	5.50	11.00
R. C. Rhode Island Reds	3.00	6.00	12.00
Broiler Chicks	2.00	4.00	8.00

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To show the exact temperature under the hover you need an accurate, dependable brooder thermometer—a "*Tycos*".

"*Tycos*" Brooder Thermometers

"ALWAYS TELL THE TRUTH"

They are positively permanently accurate. When buying a new brooder or incubator, insist that the manufacturer equip it with *Tycos* Thermometers. Go to your dealer for *Tycos* Thermometers for your old machines. If he cannot supply you—send direct to us, giving his name.

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Brooder Thermometers	each, $ .75
Hygrometers	" 1.50
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Taylor Instrument Companies, Rochester, N. Y.

proof of the quality of Fishel's White Rocks.

Here we went from house to house, along a well beaten path, to see all of Mr. Fishel's matings and to study them, and found in the very first house entered that, which a general inspection later proved true, Mr. Fishel mates quality to quality. The very best male in shape and color to the best of females in like quality; good heads on male and females and good eyes and proper style and carriage. This is the kind of breeding that insures quality and success alike and carries with it extreme breeding value in all birds so produced.

We can't begin to describe the individual males or females seen here for space won't permit, and if it did it would be the same story over and over again. The males, both cocks and cockerels, were a husky lot, of grand size, heavy bone, and they stand well with legs well set. The nice long bodies with the sweeping backs were a feature gladly noted; tails broad and full, carried low, and very fine heads with combs in proportion. The general outline of the males was surprising in evenness—they were all alike. In making our rounds Mr. Fishel pointed out several of his noted winners and their sires, also the sires of winners sold, and the complete history of some of these birds would alone fill a book. It was a line of males good to see, one we highly appreciate for they well meet the highest quality standard demands.

The females were a charming lot taken all in all, and well deserve our highest comment for they, too, have the splendid long bodies so desirable, well carried and the best of color, and they, too, are superior in size and of heavy bone, grand nice heads crown them and they have the appearance of highest practical quality combined with best standard qualifications. It was a grand good line all through, well worth our time and effort to see.

Mr. Fishel has been breeding since boyhood. His fancy has always been poultry in general and White Rocks in particular. He has grown up with them and to him a great share of credit is due for the very prominent position occupied by the White Rocks today.

Mrs. U. R. Fishel is also a fancier and next to her family fancies White Runner Ducks, of which she has a great flock and many selected pens for breeding. While we do not claim to be an expert on ducks, we do know that for general evenness, size, carriage and style these looked very fine to us.

Master U. R. Fishel is a breeder of White Cochin Bantams and made a great killing at the late Indianapolis show, while Mr. Edward B. Fishel, Mr. Fishel's oldest son, follows in the steps of his father and is his best man. He is rounding into a poultryman of promise with great opportunities and a great future before him.

We were glad to have had the opportunity to visit this plant. It has done us good. We went and saw, yes, far more than we expected, more than anyone can expect or dare imagine, a wonderful plant and a wonderful line of birds that is a glowing illustration of what the standard-bred poultry industry has come to be—a factor of national importance.

—o—

J. C. FISHEL & SON, HOPE, IND.

"Fisheldotte," a Great Plant Covering 60 Acres, Devoted Exclusively to White Wyandottes.

Written by H. P. Schwab, Irondequoit, N. Y.

"Fisheldotte," the home of J. C. Fishel & Son, breeders of their famous line of White Wyandottes, is located but a mile from Fishelton, and we were quickly landed there for our interest in these White Wyandottes was heavy as we had traveled very many miles to see them.

Mr. J. C. Fishel is one of the pioneer breeders, whose name, reputation and record are pretty well known to the general public and fanciers alike, for he has been exhibiting since 1879 and breeding for—well, to tell that would be giving his age, and a good, true fancier never grows old; they are always so many years young. They breed, bloom and thrive as the seasons pass, and each succeeding one finds them with renewed strength, hopes and full of ambition to do greater things for the universal benefit. Today the name of J. C. Fishel connected with White Wyandottes is just as popular as that of his brother, U. R. Fishel, with White Rocks, and their earnest work for all these years is most deserving.

While we regret that we haven't at this time a complete record of the winnings of this line, we find in our records enough to at least give the reader an idea of Mr. Fishel's winnings of the past and an estimate of this line's value and quality. Remember that White Wyandottes are one of the three most popular varieties and are among the leaders in numbers and quality at all shows and the exhibitor has fierce competition to contend with, which certainly adds increased value to any and all awards won. We find that some of Mr. Fishel's most prominent and best winnings were made at Atlanta, Ga., in 1912, where he won four first prizes of a possible five, as follows: 2d cock, 1st hen, 1st and 4th cockerel, 1st and 3d pullet, 1st pen and best display and specials. At Indianapolis, Ind., New Orleans, La., Indiana State Fair, Illinois State Fair, American Poultry Breeders' and Fanciers' Show, Columbus, Tennessee State Show, Cincinnati, Ohio, San Antonio, Tex., Chicago, Ill., St. Louis World's Fair and at other exhibits almost without number this line as shown by Mr. Fishel has been consistent winner and has made and held a reputation for great winning records and highest quality. It is a record of glorious results and of worthy and successful efforts.

The lay of this farm and plant of sixty acres is ideal, sloping gradually to the south and a general view can be had from the road of the lay of the plant. Here, also, the favorite breeding houses are the open front colony coops, with large parks supplied with shade and a grassy run, and here, also, we found the entire plant in shipshape condition and a busy place indeed. It is just the kind of a



HOW TO SAVE THE LITTLE CHICKS

Ordinary feed is not the proper food for baby chicks. Their delicate digestive organs require a special food properly balanced to meet the entire needs of their little bodies. Feed during the first 10 days after hatching

"F. P. C. CHICK MANNA"

and watch 'em thrive and ward off epidemic attacks—especially bowel troubles. Starts them off in life healthy with strong, vigorous constitutions. **Introduced in 1884—the original** and best food for baby chicks, turkeys and pheasants. Ask your dealer for it. Accept no imitations.

Special Parcel Post Offer.—Write for Free Circulars and our special offer to send "F. P. C. Chick Manna" by Parcel Post. A 5 pound package feeds 75 chicks first week.

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ATSATT Is The MAN Who PUTS PROFIT into Poultry Raising IF YOU WANT IT, READ THIS NOW

After the practical poultry owner has cooked hundreds of chicks in the shell, and got tired of low hatches because of faulty, smoky, bound-to-run-up lamps, he pitches them all out and uses nothing but the

"Zero" Safety Incubator and Brooder Lamp

IT'S SAFE, because the oil cannot get heated; **Clean** because it never smokes; **Reliable** because it cannot run up and the temperature must remain uniform. Notice the double jacket. All metal. Fits any incubator or brooder. At dealers, $1.00, or mailed on receipt of 15c extra.

Atsatt's Sanitary Chick Fountain can't wet or drown chicks. Easily cleansed and filled, holds a quart and fits any brooder. Heavy galvanized iron. 25c at stores, or mailed for 8c extra.

Atsatt's Chick Feeder absolutely **stops waste.** Lots of room for chicks to get their food, but they can't get into it, stand on top of it, or scratch food out. Top removes instantly for filling and cleansing and springs back into place. Best galvanized iron; so can be used for **wet or dry feed or water.** 10x4 inches—just right size for brooder. 25c at dealers; mailed on receipt of 8c extra.



Write us to-day for **Free Book** with Illustrations and prices

Some breeders make more money than others because they've had the foresight to see that it pays to have Feed-Saving, Time-Saving and Money-Saving Equipment such as Atsatt Makes.



ATSATT BROS., 27 Pearl St., Mattapoisett, Mass.

One lamp, fountain and feeder mailed to one address at one time $1.70, so that you can see how fine they look.

S. C. White Leghorn Baby Chicks

We Have No Other Breed

By concentrating all our efforts in improving the qualities of our breed of fowls, we are in a position to offer you chicks from breeders possessing unsurpassed utility combined with exhibition qualities ,and at prices asked by others for the ordinary strain. Our advance during the past season in perfecting the OLD RELIABLE SPRING WATER STRAIN has been marvelous.

We have among our breeders both male and female birds that have won first prize as singles and pens at some of the leading Eastern Shows.

We guarantee chicks hatched from eggs laid by our breeders only and their safe delivery to you.

Join our army of satisfied customers. You must be satisfied before we consider a transaction closed.

Order early, thereby assisting delivery on desired dates.

Eggs for Hatching. 90% fertility guaranteed.

We also offer choice breeding cockerels at tempting prices. Mammoth Incubators. Capacity 20,000 Eggs at one sitting. Write for free illustrated booklet.

SPRING WATER POULTRY FARM

Frank J. Eppele, Prop. Stockton, New Jersey

place we would expect to find as the plant of a practical life-long fancier or breeder whose greatest interest is in the comfort and quality of his birds.

The cockerel house seen here is a most desirable and practical building. It has a double row of small pens of about 4 x 6 feet, where males are kept and conditioned; the same with females. It can also be used for several other purposes as the occasion may require.

We were very much pleased with the White Wyandottes seen here. The males show the best of character and have line features easily noted in their general style and carriage and also in their head points. Combs are small, even and of dandy shape with good spikes. They are very similar and this surely denotes breeding of rarest and best sort. We were particularly impressed with the shape and style of the males. They are large, deep and full bodied fellows, strong and of grand bone with excellent finish. Backs very good, with heavy, full tails nicely spread and carried. They stand well centered for the full, broad breasts are nicely rounded, giving them a massive appearance viewed from any position, we consider them a beauty lot from which the best of results can be expected. The color was very sound and extra good on old and young alike.

The females conform to the same characteristics as the males do and have everything to commend them in form, style and color. The same massive bodies well carried, nice full and spread tails and trim heads, all uniform and in proportion.

Their matings as made surely promise much and when we consider the years this line has been bred for highest quality, and that these close to ideal qualities have been strongly and firmly bred into this line so long, we can then better comprehend its value as a line. It is a worthy one well deserving the success it has attained.

We consider the J. C. Fishel & Son catalogue one of particular value to the breeders of White Wyandottes; it contains much to interest and much of value to the breeders in general.

Largest Barred Plymouth Rocks.

By Rev. I. A. Engle.

The makers of the American Standard of Perfection are the poultry breeders throughout the country who have succeeded in breeding their respective birds to such a degree of perfection that the men who write the Standard on the various breeders are enabled to find, in the yards of these breeders, birds which have approached, in the largest possible degree, the ideals which make up the Standard. It is only an occasional breeder, too, who possesses a thorough knowledge of his birds, the expert skill to mate and breed them and the keen insight to future Standard requirements in such a degree that he can be and is one of the few breeders in whose yards are found these rare and choice specimens which serve as the guides of the various writers of the Standard. The Hall View Poultry Farm, Kenney, Illinois, has become the home of a few such rare specimens of Barred Plymouth Rocks and the proprietor of this splendid farm, Luther J. Hall, has become a master breeder of this favored variety.

The writer of this article recently enjoyed the privilege of visiting the Hall View Farm, becoming personally acquainted with Mr. Hall and handling and scoring a number of his choice birds. If his many customers could meet him, as I have, and be let into the "inside" of his great love for his Barred Rocks, his masterful skill in mating and breeding them, and, above all, into his frank, open and honorable methods of doing business, they would be assured that their orders would be safe with such a man and that each egg they get from him is a chance for some champion winner at some big show.

You can appreciate what Mr. Hall means by his "Largest" Barred Rocks only when you see the gigantic size of his birds, to which is added symmetry, shape and beauty. The white on his birds is white, the black is black, and he has succeeded in separating these two colors almost as distinctly as if they were on two different birds. The shading of one into the other he has largely eliminated, each stopping square against the other, the bars being narrow and running straight across the feathers.

Chicago Queen on this farm is one of the best pullets I have ever handled. Her shape is almost perfection, the curve in her neck, her fine head points, her long broad back and the perfect barring, espe-

THE WINNERS

in the Shows of 1914-1915

WILL COME OUT OF

ARISTOCRAT MATINGS

Last season, show after show, in the East, in the West, in the North, in the South, in Canada, in Europe and in other foreign countries, reported Aristocrats (hatched out of Aristocrat matings) as **Winners**—among them some of the very largest poultry shows of the world.



Prince Narrowbars as a cockerel, showing that extremely narrow, cleancut barring for which the Aristocrats are noted. He has now developed into a very full-bodied, magnificent cockbird.

The best birds of my matings of last season are again in my matings this season, together with the cream out of the thousands of birds they themselves produced. The quality coming from them will be some of the richest ever produced **anywhere by any breeder at any time**—even better than they themselves produced last year. As is well known throughout the U. S., the Aristocrats are classed as the most narrow barred and richest colored strain of Barred Rocks in existence. Five years ago I challenged the world through the poultry journals to show up another male bird so finely barred as my Prince Ringy, and no one, not a single breeder, took up the challenge. Since that time the Aristocrats have kept in the lead, always improving, always gaining year by year, leaving the others to follow. Such a dazzling wealth of fine, narrow barring, such deep, rich, lustrous, sparkling, scintillating color from head to fluff as you can find right now in my matings has surely never been equaled, nor would you think it possible if you did not see the living birds right before you.

F. W. Hallett, in the February issue of the Inland Poultry Journal, writes as follows: "The Aristocrats have won at National shows from Coast to Coast in the hands of customers and under different noted Barred Rock judges in every section of the country. This is not a record of one year, nor is it past history. It is a record they are making every season, and one has only to visit this great plant (Holter's Roost) and see for himself—see some of the grandest, snappy, ringy, clean-cut birds with actually the narrowest barring that can be found anywhere. It is no uncommon thing to pluck saddle-feathers from the finished male-birds and count from seventy to eighty clean-cut, straight and regular bars to each feather. Where can such narrow barring be found outside of these narrow-barred families?"



It is from such birds that I am selling eggs for hatching at the following prices:

$10.00 per Setting of 15 eggs
$17.50 for 30 eggs
$25.00 for 50 eggs
$50.00 for 100 eggs

AND NOW LISTEN:

I positively send out eggs to my customers from each and **every** female I own. Read this once more. I want you to know this—to remember it. I reserve no birds, no matings, for my own private use. **I send out eggs from every female I own.** Here is a frank and true statement of fact. My customers get, without reserve, eggs from the very same birds from which I produce those sensational specimens. Do you understand this clearly? Is this what you want? Birds that produced a King Ringy V., a Prince Narrowbars, a Prince Crystal I.—such birds are in my matings today. King Ringy V. himself, Prince Narrowbars himself, Prince Crystal I. himself, are right now in my matings, and my customers get fresh, fertile eggs from their pens. Order today, direct from this ad. Eight fertile eggs guaranteed to each setting.

W. D. HOLTERMAN, Fancier Box A FORT WAYNE, INDIANA

P. S.—Now—today—is the day to order. May hatched chickens, well grown, make the grandest show-birds of all.

cially across her back and tail, are almost dreams of a master artist and they are the dreams of her master breeder. It would have been an injustice to his customers for Mr. Hall to have accepted the $500 offered for her.

A postal card will bring a beautiful illustrated catalogue from this farm, showing a portrait of the breeder, specimens of the product of her skill and the homes in which many choice winners are bred and raised. And when you read this catalogue remember that the writer of the Barred Rock division of the Standard of Perfection has visited this farm several times and the Standard of 1915 will embody some new features that have been worked out and bred into the birds on the Hall View Farm only.

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READY! WRITE NOW!
Save Big Money on Rust Proof Poultry Fence

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Send Your Name NOW

BROWN'S Quality *beats them all*—prices *lower than ever*—saving you *more money* than anyone else! Let us *prove* it. Send postal today for *new book* of *facts* and *figures* and sample to test! Brown's famous poultry and garden fences—with No. 9½ gauge top wires, and bottom wires spaced only one inch apart—offers you wonderful, money-saving values. Cheaper than ordinary netting—lasts five times longer. We use genuine Basic Open Hearth Wire, Heavily Double galvanized—*rust proof, stock strong, chick tight!* Sold only

Direct from Factory To You

We pay all the freight *wherever you live.* Hundreds of styles to choose from. All priced to save you most money. No top or bottom rallings needed with Brown's Poultry fencing—and only half the usual number of posts. Don't buy a rod of *any* kind of fence *anywhere* till you read about Brown Quality and see Brown's Factory Prices, freight prepaid. Satisfaction absolutely *guaranteed.* Don't wait. Mail postal or letter *right now* for Brown's grand Fence Bargain Book—*Free.* Address

THE BROWN FENCE & WIRE CO.
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We Pay Freight

Direct From Factory

Send for Brown's Book Now

MOE'S NEVER FAIL TRAP NEST

DELICATE TRIGGER HOLDING TRAP RELEASED BY HENS ENTRANCE FALLING SILENTLY



(Patent Pending)

A solution of all trap nest troubles—for, as the name implies, it never fails.

Lice-proof, fully sealed back and sides, but affording plenty of air when the hen is trapped. Can be placed anywhere in the poultry house. The trap is easily removed, so that the nest can be used as an ordinary one. Set up and ready for use when shipped.

No. 33, 12x12x12 inches, complete 75c
No. 34, 12x12x14½ inches, complete $1

TRIGGER LOCKS TRAP AND HEN THEN THERE TO STAY UNTIL RELEASED



MOE'S SELF LOCKING LEG BAND

MOE'S SELF LOCKING BAND READY TO BE USED



(Patented)

You simply push it together to lock it and it can only be removed by destroying the band. A sealed band that requires no sealer.

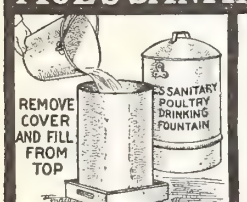
Every band has its own raised or embossed number.

12 Bands, any size 15c
Liberal Discount on Quantities

EASILY ADJUSTED WITH THE FINGERS AND IT IS THEN ON TO STAY



MOE'S SANITARY POULTRY DRINKING FOUNTAIN



(Patent)

The most popular fountain on the market. Fills from the top.

Dead air space keeps water cool in summer and from freezing in winter. Drinking pan now made square, which does away with spilling when hung up. Can be used for two pens at the same time. Prevents chickens from getting their wattles wet and freezing in the cold weather. Manufactured in three sizes:

No. 1, 1-gallon capacity - $1.25
No. 2, 2-gallon capacity - $1.75
No. 4, 4-gallon capacity - $2.25

REPLACE COVER AND YOU HAVE A CONTINUOUS SUPPLY OF PURE WATER



Also specially constructed for ducks and pigeons.

These Are a Few of the Good Things in MOE'S LINE.

Write for complete catalog. If not at your dealer's, write us mentioning dealer's name and we will see that your wants are filled at above prices, your city.

OTIS & MOE, 2011 Otis Bldg., CHICAGO, U. S. A.

Sunlight Poultry Farm, Lynchburg, Ohio.

I had the pleasure of visiting the Sun light Poultry Farm last summer and I was more than pleased with my trip, as this plant is one of the best plants I have visited in my travels. They had about 500 pullets grown out on range. The houses were set around in different locations and each house had about 75 pullets. They were a beauticul sight, all good healthy birds. The brooder house had about 1,200 younger chicks in it and they were the healthiest lot of little chicks I have ever seen together. It was a rare sight to see these chicks run back and forth in their runs.

This farm has increased its hatching capacity from 3,000 to 5,400. This will place them in a position to take care of the large orders for little chicks. This farm added a lot of D. W. Young's strain of cockerels to its breeding pens this spring, which should breed some exceptionally good stock for the coming season. I take great pleasure in recommending the Sunlight Poultry Farm for good healthy stock and a nicely equipped plant.—L. S. Farquhar, Cincinnati, Ohio.

———o———

Trinidad, Colo., March 9, 1914.

Editor American Poultry Journal.

Dear Sir:—In some of the recent issues of the poultry magazines we read a considerable amount of argument regarding the producer of good breeds of poultry and the would-be producer or the purchaser of the good breeds, as it very often happens that the inexperienced purchaser will get the cart before the horse in his correspondence with an honest breeder, regarding some trivial matter about eggs or stock that has been shipped, sometimes causing his correspondence to be ignored, by using such language that the breeder loses all interest in his particular case or complaint, whereas if he had put his complaint before the breeder in a manner that would allow no doubt as to his or their honest intentions I venture that he would receive an immediate adjustment of said complaint.

Being in a position to observe and hear of complaints of this nature and having had some experience along this line, where the breeder was in no way at fault or responsible for my troubles, I thought it might be well for me to let some of the intending purchasers hear of the consideration and fair treatment I received at the hands of one of the largest breeders of White Wyandottes in this country, J. C. Fishel & Son, of Hope, Ind.

In the spring of 1912 I sent to Mr. Fishel for a pen of his birds, which were duly received and every one of exceptionally good shape and in the very best of condition, but through an accident shortly afterward I lost one of the best pullets in the pen. After using this pen that season I wrote Mr. Fishel regarding the cock bird and asking for advice, which was cheerfully given, and now at the beginning of this year 1914 I wrote him complaining of poor success, probably from inexperience at the start, but he promptly responded by offering to replace the original bird with a good line bred cockerel after two years had elapsed since the original purchase.

After further correspondence he "went me one better" by allowing me to retain the original bird and he forwarded the cockerel with the understanding that I was to remit him a nominal sum for the second bird shipped, providing he proved satisfactory. Now I consider this extraordinarily fair treatment, but I believe that along this line of fair business dealings has helped to produce the wonderful strain of "The World's Best White Wyandottes," and any one considering the purchase of the breed or stock will do well to write Mr. Fishel of his or her wants, for I can assure them of the very best treatment and good service. Wishing you and your magazine success, I remain,

Leo B. Glahn.

———o———

Dune Alpin Farm.

A very neat catalog is being sent out by the Dune Alpin Poultry Farm of East Hampton, N. Y. This firm has mated thirty-six pens for the egg trade and the manager, Mr. Kerr, thinks they are the greatest pens of S. C. White Leghorns ever put together.

Their catalog gives full information about each and every pen, who it is headed by and the record of the bird. You will find several letters from their thousands of satisfied customers, besides a short history of this Dune Alpine strain of birds. A copy of this catalog will be mailed on request.

CLASSIFIED ADS

UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and **five cents per word each insertion for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under **classified headings.** No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention A. P. J. **All copy for Classified Ads must reach us by the 17th of month preceding date of issue.**

ANCONAS.

ANCONAS—SILVER CUP winners at Toledo, 1914. Eggs for hatching. King & Sheriff, Fayette, O. 4-5

ANCONAS, THE EGG FACTORY kind, and show birds. Eggs, $1.00, $2.00, $3.00 per setting. Stock for sale. E. Metcalf, Stockport, O. 1-5

ANCONAS, BOTH COMBS. Eggs, chicks. Circular free. William S. Rathbun, Kingsbury Ave., Jamestown, N. Y. 4-6

ANCONA HATCHING EGGS. Large, well-developed, neatly mottled prize winners. Graff Hubbard, Lock Haven, Pa. 4

ANCONA EGG RANCH. C. G. Miller, South Paris, Me. Sheppard-Blencoe strains direct. No white diarrhoea. Eggs, $1.50 for 15; $4.00 for 50; $7.00 for one hundred. 4-6

SINGLE COMB ANCONAS exclusively. Stock and eggs at right prices. T. R. Miracle, Sistersville, W. Va. 4-5

MEYER ANCONA YARDS, Canton, Ohio. Home of the best in breeding and laying stock. Won wherever exhibited. Choice cockerels at utility prices; eggs, chicks, catalog. 2-14-tf

MOTTLED ANCONAS, S. C. Large, vigorous, well mottled birds. Dark wings and tails. Winners at both Chicago shows. Catalogue free. Waveland Poultry Yards, 5858 Waveland Ave., Chicago, Ill. 3-5

S. C. ANCONAS, SHEPPARD'S famous strain, large, dark, farm raised, dark tail and wings; won 14 ribbons last show. Best mating, $2.50 per 15, prepaid parcel post. Guarantee good hatch. Stock for sale. Mrs. M. R. Ward, R. F. D. 3, Carmi, Ill. 3-5

ANCONA EGGS FOR SALE at $3.00 per 15 from the best laying strain, the kind that wins, that lays and that pays. Mrs. Herbert Cortner, R. R. 16, Farmland, Ind. 3-5

ANCONAS—EITHER COMB. Fancy show birds now ready; let me help you when you show. Mark Lewis, Alma Center, Wis. 3-5

ANCONAS, PERSISTENT LAYERS, exhibition winners. Eggs, stock. Edwin J. Seal, Rockford, Ill. 3-5

ANCONAS—IF YOU want to win, get eggs or chicks from my Royal Blue strain, that have black tails, wings, and yellow legs. Frank W. Mains, Morris Plains, N. J. 3-5

ANCONAS—WINNERS of Central Palace, New York City; Pittsburgh, Pa., and other large shows. Eggs $1.50 per 15 straight. W. B. Lashley, Powhatan Point, Ohio. 3-

ANCONAS—GREAT LAYERS of big snow-white eggs. Best mating, $1.50 per 15. Second mating, $1.00. Best laying strain and will produce winners for next year's shows. Harford Bros., Worthington, Ohio. 3-5

ANCONAS—"SHEPPARD'S DIRECT." Selected eggs for hatching, $2.00 per 15; $10.00 per 100. Stock reasonable. W. L. Kirkpatrick, Hendersonville, Tenn. 3-5

GREGOIRE'S ANCONAS WINNERS four-fifths of first prizes competed for since 1908. Eggs $1.00, $2.00 per 15. P. E. Gergoire, Newton, Ill. 3-5

S. C. ANCONAS of quality. Blue ribbon winners at Madison Square, Palace, Allenton, Hagerstown, Paterson, Augusta. Eggs $3.00, $5.00, $10.00 per 15. Geo. W. Cisco, 134 Kearney St., Paterson, N. J. 3-5

ANCONAS. NO STOCK for sale. Eggs in season. Write for prices. Satisfaction guaranteed. Rev. W. J. Perry, Oconomowoc, Wis. 3-14-tf

ANCONAS, SINGLE COMB. Eggs for hatching, $2.00 for 15, or two settings for $3.00. Carl Ebert, Whittemore, Iowa. 3-5

S. C. ANCONAS. First cockerel Pittsburgh's great show. Stamp brings cockerel's photo and egg price list. Geo. W. Harris, Route 3, Shelby, Ohio. 3-5

ULREY'S PEERLESS ANCONAS win at Indianapolis and Ft. Wayne; hustle and lay a basketful every day. Stock for sale. Eggs in season. J. B. Ulrey, 605 E. 9th St., N. Manchester, Ind. 2-4

SINGLE COMB ANCONA eggs for hatching, $1.50 per 15. Anthony L. Elembaas, Zeeland, Mich. 3-5

ANCONAS—SINGLE COMB. Young and old stock for sale. Eggs, $1.50 for 15. C. E. Brown, Powhatan Point, Ohio. 3-5

MILLER'S S. C. ANCONAS. Trap-nested and line bred for egg production and exhibition; blue ribbon winners. Eggs, chicks and stock for sale. Catalogue free. M. L. Miller, Johnstown, Pa. 3-5

ANCONAS. SHEPPARD STRAIN. Farm raised. Bred for exhibition and utility purposes. Prices reasonable. John Lent, Malta, Ohio. 3-5

FIFTEEN BEAUTIFUL ANCONA pullets, now laying, and two fine cockerels for sale. Will ship on approval. Sheppard strain. Rev. E. H. Keator, Franklin Park, N. J. 12-7

KING OAK ANCONAS. Both combs. First prize winners Boston. Eggs and baby chicks. Lewis C. Strang, East Weymouth, Mass. 3-6

SHEPPARD STRAIN ANCONAS. Eggs, $2.00 for 15; baby chicks, 20 cents each, from prize winners. Miss L. L. Garvin, Rural Box 36, Wheeling, W. Va. 3-5

ANCONAS—SHEPPARD'S "Living Egg Machines." Cockerels and pullets (now laying) for sale. Eggs, 15, $2.00; 30, $3.50. Rev. E. H. Keator, Franklin, Park, N. J. 12-7

ANCONAS. SNOWDROP STRAIN. First cockerel, New York, 1913. Eggs. Eggs that will produce winners for any show in America. Write Maple Grove Poultry Yards, R. 1, Ilion, N. Y. 3-4

ANCONAS! SINGLE COMB, grand, large, dark breeding birds for sale, males and females from a great laying strain. Eggs, $1.50 per 15, $7.00 per 110. Geo. C. Schwegman, Richmond, Ind. 2-5

ANCONAS—WINNERS Madison Square, Philadelphia, Baltimore, elsewhere. My matings and "What the Editors Say" free. Henry E. Portrum, Rogersville, Tenn. 2-4

HENNIGER'S MOTTLED SINGLE COMB Anconas—Cockerels, pullets and eggs for sale. They are show birds and egg producers on free range. J. A. Henniger, R. 3, Sistersville, W. Va. 2-4

DON'T DELAY writing for that mating list of "QUALITY" Anconas. Contains the season's winners, etc. A special offer that will interest you. S. B. Sykes, Gloversville, N. Y. 3-5

GRIMM'S CELEBRATED Anconas. winners of first prizes at leading shows, including the recent ones at Kansas City and St. Louis. Quality high. Prices low. Booklet free. Eggs, $1.50 to $5.00 per 15. Every egg guaranteed fertile. Fred Grimm, Webster Groves, Mo. 1-14-1yr

BLENCOE'S FAMOUS ANCONAS — Choice breeding stock and eggs for sale. George Blencoe, State Vice-president American Ancona Club, Alma Center, Wis. 2-4

FROM MY PRIZE WINNING Anconas. Book orders for eggs and baby chicks now. Chas. G. Kalk, Sheboygan Falls, Wis. 2-4

TIMM'S POULTRY YARDS—Anconas; stock, eggs and chicks. Shipments guaranteed. Catalog free. John Timms, Malta, O. 2-4

WANDSCHNEIDER'S GREAT ANCONAS, Ft. Atkinson, Wis. Eggs for sale; my birds are bred to lay, win and pay. Route 5. 2-4

HICKS' CHAMPION ANCONAS. Winners state cup, New Jersey meet, Paterson, 1913. Special for best Ancona in show, Grand Central Palace, New York, 1913. Stock, eggs, baby chicks. Catalogue. Dr. Peter Hicks, Bound Brook, N. J. 1-3

YOUNG'S BEAUTY STRAIN. S. C. Mottled Anconas; farm raised. Eggs for sale this season. Circular free. H. G. Young, Manteo, Va. 3-4

SHEPPARD'S FAMOUS ANCONAS — THE world's best. See display advertisement first page. Cecil Sheppard, Berea, Ohio. 11-13-1yr

ANDALUSIANS.

BEAUTY STATELY STRAIN. Birds of type, color and lacing, bred for vigor and size. Prolific layers. Mating list ready. L. C. Boggs, Bloomington, Ind. 3-5

20 YEARS A BREEDER and exhibitor of Blue Andalusians. Winner World's Fair, 1904, Madison Square. Yard contains gold banded bird. Illinois State Poultry Show. Eggs, $1.50 for 15. Herbert Hodgson, Albion, Ill. 4

ANDALUSIANS. CANADIAN-English strains. Eggs, $1.50 per 15. Fertility guaranteed. J. Brasser, Lewiston, N. Y. 3-5

HIGHEST STANDARD BREEDING. 15 eggs, $2.00 prepaid. S. R. Wainright, Port Byron, Ill. 3-5

BLUE ANDALUSIANS—BRED AS A SPECIALTY and producing winners at all the shows. Winner of Connecticut state championship in the Mediterranean class, 1912-13; 75 ribbons and 14 specials at 10 shows; 5 June hatched pullets, Storrs contest, 12 months, laid 810 eggs. I have the best stock in the U. S. at reasonable prices. Wonderful layers of large white eggs. Stock and eggs for sale. Send for 1914 mating list. E. D. Bird, Greenwich, Conn. 2-5

BANTAMS.

COCHIN BANTAMS, Partridge and Blacks, winners at all leading shows. Stock at all times. Eggs in season. Circular. John D. Prideaux, Benton Harbor, Mich. 4-6

WHITE COCHIN BANTAMS. Scoring 96¼. Winners Chicago, Pittsburgh, Philadelphia, Buffalo, Indianapolis, St. Louis, Kansas City, Cleveland, Toledo, Dayton, etc. Satisfaction guaranteed. I. R. Mankel, Upper Sandusky, O. 4-6

GOLDEN SEBRIGHT BANTAMS. Stock and eggs for sale. Devor Bros, Ashland, O. 4

BRABAZON'S BANTAM YARDS. Seabright Cochins, Black Tailed Japs and Game Bantams. Egg orders booked. W. H. Brabazon, Delavan, Wis. 4

EXHIBITION JAPANESE BANTAMS. Black Tailed, White, Black, Golden Seabright, Black Rose Combs, White Polish. Birds, $2.00 up. Hez. Kinter, Dillsburg, Pa. 4-6

WHITE COCHIN BANTAM eggs, $1.00 per 15. Black tail Japanese eggs, $2.00 per 15. Louis Yender, Naperville, Ill. 3-5

BUFF COCHIN BANTAMS. Eggs from No. 1 pen, $2.00 per 15. Stock for sale. Fred M. Haas, Machias, N. Y. 3-5

BARRED PLYMOUTH ROCK Bantams, little beauties. Eggs, $2.00 per 12. Ernest L. Peck, 560 Winthrop Ave., New Haven, Conn. 3-5

SEND FOR BOOKLET—Largest breeders, leading varieties Game and Cochin Bantams. Madison Square Garden winners shipped on approval. Mohawk Bantam Yards, Box "E," Schenectady, N. Y. 2-4

BANTAM SPECIALIST. Buff, Black, Partridge Cochins, Light and Dark Brahmas. I ship on approval. Circular free. Geo. C. Salmon, Port Dickinson, N. Y. 1-14-tf

LIGHT BRAHMA BANTAMS—Finest flock in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C, Dougalston, Long Island. 1-14-1yr

BANTAMS bring profit and pleasure. Our monthly tells how and why. Send 50c for a year's subscription or ten cents for a three months' trial. American Bantam Fancier, 933 Advertising Bldg., Chicago. 1-14-tf

BANTAMS AND EGGS. Sebrights, Cochins, Games, Japanese Brahmas, Rose Combs, Polish, Barred Rocks. Egg orders booked. Send 2c stamp for circular. A. A. Fenn, Box 37, Delavan, Wis. 1-6

RARE BARGAINS. Golden and Silver Sebright, Buff, Black, White and Partridge Cochins, Rose Comb Black, Black Tailed Japanese, Red Pyle and Black Red Game Bantams. Proper & Son, Schoharie, N. Y. 8-13-1yr

BLACK TAILED JAPANESE BANTAMS—Indiana State Fair, all firsts, all seconds, all thirds but one; Indianapolis, January, six entries, all firsts, one second; 15 eggs, $2. James R. Pearcy, Martinsville, Ind. 2-5

GOLDEN SEBRIGHT BANTAMS—Stock; best quality. Prices right. Don O. Baird, Winchester, O. 2-4

BRAHMAS.

DARK BRAHMAS. Color, penciling correct. Six breeding pens. Dr. S. Lott, Bellona, N. Y. 4

LIGHT BRAHMA EGGS for hatching, $2.50 per 15; $6.00 per 50; $10.00 per 100. E. E. Craw, Sadorus, Ill. 4

LIGHT BRAHMAS. Won 3rd cock, 3rd hen, Indianapolis on two entries. Eggs, $3.00 per 15. Aaron J. Felthouse, Elkhart, Ind. 4-7

DARK BRAHMAS, 36 years, best eggs. W. F. Wright, Lapel, Ind. 3-6

LIGHT BRAHMAS. Good dark markings; eggs, $1.50 per 13. Circular free. Charles Hunt, Clarksville, Iowa. 3-5

LIGHT BRAHMAS EXCLUSIVELY 15 years. Extra fine. Eggs, $1.50 for 15; $2.50 for 30. A. T. Baird, Eureka, Ill. 3-5

LIGHT BRAHMAS. Choice breeders for sale. Eggs, $2.00, 15; $5.00, 45; $9.00, 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

BARKER'S LIGHT BRAHMAS were blue ribbon winners at the late Chicago show. Some choice cockerels for sale. Eggs in season at $3.00 and $5.00 per 15. E. J. Barker, Thorntown, Ind. 2-4

LIGHT BRAHMAS OF THE highest quality, winners at Hagerstown and Baltimore; 19 years breeding and exhibiting; three grand pens; 15 eggs, $3.00. F. W. Davis, Keyser, W. Va. 2-4

BUCKEYES.

WE ARE SELLING Buckeye eggs from very good utility matings at $3.00 per setting. Otter Creek Poultry Farm, Toledo, O. 4

WEISBERG'S QUALITY BUCKEYES, the leading strain. Eggs from superb matings, $5.00 setting; two, $9.00. Free catalog. A. H. Weisberg, Nevada, Mo. 4-6

MY MAHOGANY RED strain leading winners at Boston's big show. John C. Steitz, Warehouse Point, Conn. 3-5

MY BUCKEYES win at fifteen national shows this season, 1913-1914, including Memphis, New Orleans, Kansas City, St. Louis, Chicago, Cincinnati, Cleveland, New York, Boston, etc. Write for handsome mating list. Elton C. Mahon, Norwood, Tenn. 3-5

FANCY BUCKEYE COCKERELS for sale. Eggs, $1.50 to $3.00 per 15. Paul Westphal, Cambridge, Wis. 3-5

BUCKEYE STOCK AND EGGS from blue ribbon winners. Catalogue free. Lindley Place, Meshoppen, Pa. 5-13-tf

BUCKEYES, THIRTEENTH YEAR. Columbus winners; best shaped male. Gardner Dunning, St. Marys, Ohio. 3-5

BUCKEYE EGGS, $2.00, parcel post prepaid. Wm. Crabbs, Milburn Ave., Toledo, O. 3-5

BUTTERCUPS.

SICILIAN BUTTERCUPS, world's champion layers, lay large white eggs. Very handsome, and the tamest of all breeds of poultry. Larger and eat only half as much as Leghorns. Thoroughbred stock for sale cheap. Hatching eggs, $2.00 per 15. Henry Woodworth, Box 505, Cheboygan, Mich. 4-6

SICILIAN BUTTERCUPS at live and let live prices. Browe's heavy laying strain. Eggs, $2.00 per 15. J. M. Drum, Mercersburg, Pa. 4

WON PALACE (NEW YORK), Mineola, Sayville, Hempstead. Fifteen eggs, $2.50 up. Cockerels, $3.00. Circular free. A. Dupree, Sayville, N. Y. 4-6

BUTTERCUP EGGS FROM Alvina, the 309-egg hen, and pens headed by her cockerels; per 15, $3.00 up. Circular. Rev. Sahler & Sons, Harlingen, N. J. 4-6

BUTTERCUP EGGS, $2.00 per 15. Guy E. King, Rushville, Ill. 4

BUTTERCUPS. 15 eggs, $2.50; 30, $4.00; 100, $12.00. H. H. Henery, Stockport, O. 4-6

TEN BUTTERCUP UTILITY pullets, $15.00. Browe strain. Egg producers, not show birds. Rev. E. H. Keator, Franklin Park, N. J. 4

IF INTERESTED IN BUTTERCUPS, write for catalog. Eggs, $2.00 up. Also baby chicks. H. Court, Kankakee, Ill. 4-6

BUTTERCUPS. BLUE RIBBON winners. Mating list now ready. W. H. Nash, Redkey, Ind. 4-5

SICILIAN BUTTERCUPS. Booking egg orders now from carefully selected breeders. Correspondence solicited. J. F. Autin, Shaverstown, N. Y. 3-5

BUTTERCUP WITH REAL CUP comb, standard color. Pamphlet and eggs ready. Frank Burley, Portland, Ind. 3-4

ORNAMENTAL POULTRY FARM "Fauna" importers and breeders for 27 years of absolutely pure Sicilian Buttercups, German and English Lakenvelders, improved Silver Campines, Japanese Phoenix. Eggs for hatching. Catalogue. Hugo C. Eckardt & Son, Oconto, Wis. 3-5

SICILIAN BUTTERCUPS from imported stock. Non-related matings. Prize winners. Fertility guaranteed. Eggs, $1.50 per 15; $2.75 per 30. Ed Henze, Plymouth, Wis. 3-6

EGGS FROM QUALITY Buttercups. Blue ribbon winners wherever shown. Booklet free. Rood, Buttercup Specialist, Garrettsville, O. 3-6

BUTTERCUPS OF QUALITY. $2.00 per 15 eggs. J. C. Robertson, Galion, Ohio. 3-5

WILLIAMS' BUTTERCUPS WIN at big Cleveland shows, 1st, 3rd, 4th pullets; 3rd pen, silver cup for best display. Eggs, $1.50 up. Catalogue. E. H. Williams, Berea, O. 3-5

BUTTERCUPS. 15 eggs, $3.00; 30, $5.00; 50, $8.00. Cockerels, $3.00 each. Henry Schowe, New Bremen, Ohio. 3-5

CHARLES H. KRUEGER, Coopersburg, Pa., offers eggs for sale from a heavy laying strain. Prices reasonable. 3-5

EVERLASTING BUTTERCUPS pioneer winners. Coming general utility poultry. Scheperd Brothers, Parkville, Md. 3-5

BUTTERCUPS. COCKERELS, $2.75; trios, $7.00; pens, $12.00; eggs, $2.00 for 15. W. C. Kassebaum, Plymouth, Wis. 3-4

BUTTERCUPS. LEADING STRAIN; quality stock. Five years' experience. Eggs and cockerels for sale. Dr. F. Hayes, Conroy Bldg., San Antonio, Texas. 3-5

EXPERT BUTTERCUP BREEDERS. Chantecler Poultry Plant, Ulster, Penna.—Eggs, twenty cents, hundred eighteen dollars. Chicks, thirty-five cents; infertiles replaced. Special matings, eggs, thirty-five cents. 2-4

HIGH CLASS BUTTERCUPS—Better this year than ever. Great layers, non-setters. Hatching eggs, $3.50 and $2.00 per 15. Mrs. C. S. Chandler, Liberty, Neb. 2-4

BUTTERCUPS — EXHIBITION QUALITY. Booking egg orders now. Prices reasonable. Fred Lauer, Queen City, Mo. 2-5

ONEY'S SICILIAN BUTTERCUPS won 2 first at Madison Square Garden, New York, 1913-14; 1st on cock, 1st on cockerel. Write for mating list. W. Oney, Folsom, N. J. 2-4

BUTTERCUPS. EGGS FROM PRIZE winners. Best imported stock. The quality kind. $2.00 and $3.00 for 15. Send for mating list. E. C. Aderhold & Son, Plymouth, Wis. 1-4

BUTTERCUPS—BROWE'S "Everlasting Layers." Cockerels, pullets and yearling hens. Eggs, 15, $3.00; 30, $5.00. Rev. E. H. Keator, Franklin Park, N. J. 12-5

CAMPINES.

CHOICE PENS OF GOLDEN AND Silver Campines, containing birds imported direct from Judge Edwards. We won firsts at Springfield, Dalton, North Adams and Lenox and many specials, present season. Berkshire Hills Poultry Yards, F. R. Shaw, Proprietor, Adams, Mass. 4-5

IMPORTED, IMPROVED, ENGLISH GOLDEN Campines, hen, feathered cockerel, Kennedy & Jones strain, $5.00 for 15 eggs. Will replace infertiles. Won 1st prize on pen at both Indianapolis shows in 1914. John Sargent, Lawrence, Ind. 4

CAMPINES: GOLDEN AND SILVER. Eggs, $3.00 and $5.00 per 15; fertility guaranteed. Jones-Kennedy stock. Silver cup winners. O. H. Richards, Jerseyville, Ill. 4

CAMPINES—17 FIRST prizes and 20 specials at Madison Square Garden, New York; Boston and Baltimore. Eleven more than all competitors combined at the three greatest American shows. Start only with the best. It pays in the end! E. F. Dean, Williamsport, Pa. 4-6

BUFF CAMPINES, most beautiful of all Campines. Plenty of stock after July first. No eggs. Originator of White, Buff and Blue Campines. R. P. Buffington, Springfield, O. 4-6

SILVER CAMPINES, winners at both Buffalo shows, also Ancona winners. Eggs for hatching, $1.50 to $5.00. Send for mating list. C. F. Wheelock, Hamburg, N. Y. 3-6

SILVER CAMPINES OF QUALITY. First prize winners at Buffalo. Eggs from selected matings, $4.00 for 15; $7.00 for 30. Lew H. Bown, East Aurora, N. Y. 4-6

KENNEDY STRAIN SILVER Campines, $3.00 per 15. Lyle Plant, Carthage, Mo. 4

CHAPMAN'S CAMPINES. Cockerel King Gold Bar, first and special club show champion, Philadelphia, 1913. Silvers also. Catalog free. Jos. F. Chapman, Box J, Brackenridge, Pa. 4-6

SILVER CAMPINES. Jacobus Improved strain. Eggs from prize winning birds, $3.00 for 15, 75% fertility guaranteed. Oscar C. Roettger, New Bremen, O. 4-5

CAMPINE HATCHING EGGS. Few settings left. Baby chicks, Kennedy's strain. Shearer-Henry Poultry Yards, Delavan, Wis. 4-6

BAYERDORFFER, OAKWOOD HEIGHTS, N. Y., has the best barred, large egg, heavy laying strain Silver Campines. Eggs, $2.50 setting; $15.00 per 100. Mating list free. 4-6

AMERICAN WHITE CAMPINES, Jocoy's strain; 13 eggs, $2.00; 30 eggs, $4.00. Henry Heitkamp, New Bremen, O. 3-4

WHITE CAMPINES lay the largest eggs of any of the Campines. True Campines with a white plumage. Start now and reap a harvest. Eggs, $10.00 per 15. Originator of White, Buff and Blue Campines. R. P. Buffington, Springfield, O. 4-6

IMPROVED SILVER CAMPINES. Eggs for hatching from the grandest pens ever mated. Send for mating list. P. J. Vanderlinda, Desk C, 149 Langdon Ave., Grand Rapids, Mich. 4-6

SILVER CAMPINES. Eggs, $3.00 per 15. W. J. Buchanan, R. 36, Peoria, Ill. 4

SILVER CAMPINES. Baby chicks and eggs for sale. Geo. Yanson, Middleburg, N. Y. 4-6

SILVER CAMPINES, stock and eggs, reasonable. August W. Schroeder, St. Peter, Ill. 4

SILVER CAMPINES—Stock from England and America's best. Eggs, $3.00 per 15. J. A. Welsh, Greencastle, Pa. 3-5

CHAMPION IMPROVED SILVER and Golden Campines (Kennedy's best pens). All pens headed by clean backed males. Egg catalogue. Thos. Brogden, Rush Lake, Wis. 3-5

SILVER CAMPINES—A few fine, vigorous, well marked cockerels for sale; farm bred, from heavy laying stock. Prices very reasonable. W. E. Church, member American Campine Club, St. Joseph, Mich. 3-4

IMPROVED SILVER CAMPINES. Stock and eggs. Rev. W. Berberich, Groton, N. Y. 3-5

SILVER CAMPINES. Living egg machines. Poor man's friend. Satisfaction guaranteed. R. Young, Lawrence, Mich. 3-5

IMPROVED SILVER CAMPINES in their purity, as bred by Jacobus and Rev. Jones of England; no fancy prices; eggs at about half charged elsewhere. Special low prices on orders booked during March. H. W. Ackerson, Box 96, Washington, N. J. 3-5

SILVER CAMPINES, Kennedy and Jacobus strains. Eggs, March 1st, $3.00 per 15. E. N. Gemmill, R. D. 4, West Chester, Pa. 3-5

SILVER CAMPINES, JACOBUS strain. Eggs, $1.50 for 15; none better. George Althoff, New Bremen, Ohio. 3-5

SILVER CAMPINES. Cockerels and eggs for sale. Henry Schowe, New Bremen, O. 3-5

IMPROVED SILVER CAMPINES. Bred to lay. Eggs, $2.00 for 15. E. C. Konkle, Brookside Poultry Farm, R. 1, Altoona, Pa. 3-5

CHESTNUT HILL CAMPINE Farm, Coopersburg, Pa., specialize in Silver Campines. Baby chicks a specialty. 3-5

IMPROVED SILVER AND GOLDEN CAMPINES. Imported stock and eggs for sale. Write for prices. Klager's Poultry Yards, Hespeler, Ont., Can. 3-5

CAMPINES—GOLDEN AND SILVER, Jones strain. Eggs for hatching. Infertiles replaced. A few cockerels for sale. Duncan McPheeters, Harlan, Iowa. 3-4

SILVER CAMPINE EGGS from imported stock. $3 per 15, $5 per 30. J. P. Wood, Benwood, W. Va. 3-5

WHY AM I NOT a display advertiser? Because of the quality and winnings of my Silvers and Goldens. Two classified ads. sell all the eggs I can supply. Write for circular containing unretouched photographs and you will see the reason. L. C. Brackett, Hopkins, Mich. 3-5

SILVER AND GOLDEN CAMPINES. We are the pacemakers of America in this popular breed. Our yards contain the greatest number of high-class birds ever brought together. If you are going to breed Campines this spring, send for our egg mating list. It is now ready and yours for the asking. Manhattan Farms, Geo. E. Noeth, owner, Brighton, N. Y. 2-14-tf

CAMPINES—GOLDEN, SILVER. Kennedy's strain. "Lay and Pay!" Eggs: Fifteen, $3.50; thirty, $6. Fertility guaranteed. Rev. E. H. Keator, Franklin Park, N. J. 12-5

IMPROVED SILVER CAMPINE (Jacobus strain) eggs, $3.00 per hatching up. Blue ribbon winners this season. First order from this ad gets one extra hatching. Burd & Brown, Ogdensburg, N. J. 2-4

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SILVER CAMPINES—Blue ribbon winners and high scored birds. Eggs, $3.00 per 15. Henry Schifferdecker, Red Bud, Ill. 2-4

CAMPINES—SILVERS, GOLDENS and Blacks. Pure native Belgian birds. The Belgian Campine stands on its own reputation as a layer. Eggs, $3.00 for 15. C. D. Holden, originator of the Black Campine, Brookland, D. C. 2-4

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SILVER CAMPINE EGGS from fine pen of imported birds. Good silver hackles, well barred breasts and tails. Price reduced from $10.00 to $5.00 per 15. J. G. Zimmer, Ft. Wayne, Ind. 2-4

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IMPROVED SILVER CAMPINES—Jones, Jacobus strains. Indianapolis, January, three entries, 2nd cockerel, 3rd and 4th pullets; 15 eggs, $2. James R. Pearcy, Martinsville, Ind. 2-4

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SILVER CAMPINES winners at great Chicago show. Won 1st, 3rd and 4th pullets and 3rd cockerel with only 4 entries. Eggs in season. Eva V. Eagles, Albion, Ind. 2-4

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SILVER CAMPINES—Kennedy-Jacobus strain. Layers of large white eggs and lots of them; $3.00 for 15. E. C. Aderhold, Plymouth, Wis. 1-4

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PARTRIDGE COCHINS of quality. None but the very best used as breeders. Eggs, $2.00 per 15. D. A. Tomlinson, Browns, Ill. 4

PARTRIDGE COCHIN EGGS, $1.25 per 15; $5.00 per 100. Very fine stock. Elmer Niece, Frenchtown, N. J. 3-5

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WHITE CORNISH. Fifteen eggs, $2.00. C. D. French, Timberville, Va. 4-6

HENNESSY'S DARK CORNISH. Winners for 18 years; grand shape and lacing. Eggs, $2.00 per 15; scored cockerels for sale; duplicates, cards. Hennessy Bros., Strawberry Point, Iowa. 3-6

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DARK CORNISH—Eggs from three grand pens. One pen all imported. Mating list free. W. W. Graves, Jefferson City, Mo. 3-6

CHAMPION DARK CORNISH. Guarantee stock and eggs. Morris & Rearick, Eaton, Indiana. 3-6

WHITE CORNISH. Royal strain. Eggs from winners, $2 per 15; 50, $5. Springbranch Poultry Farm, Bellville, O. 3-5

DARK CORNISH eggs for sale. Write for prices and mating list. Henry Cowgill, Lamar, Mo. 3-5

SUPERIOR DARK CORNISH winners Ohio state show, Lancaster, Chillicothe. Stock and eggs. Satisfaction guaranteed. C. Leitnaker, Basil, O. 2-4

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RALPH CHANT, JOHNSTOWN, N. Y. Dorkings won 3 first Madison Square, 1913. 4-5

SILVER GRAY DORKINGS EXCLUSIVELY 25 years. The very finest, as our records show. More first and special prizes at New York and Boston shows the last 16 years than all competitors combined. Display and all specials, New York, Dec., 1913. Eggs from six grand pens, $4.00 for 13; $7.00 for 26. Watson Westfall, 175 Cayuta St., Sayre, Pa. 2-5

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MAKE YOUR POULTRY PAY by starting now with White Faverolles, the coming popular fowl, quick growers, unexcelled for market, wonderful winter layers, very hardy; largest flock in America; can furnish pairs, trios, pens. Most points, including grand first pen Madison Square Garden, December, 1913. Eggs, $10.00 per 15. Brakendale Farms, Fonthill, Ontario. 2-4

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GAME FOWL—RED CUBANS. Round head and grade jungles. Grand birds at reasonable price. Dr. C. M. Hulley, Route 1, Sharonville, Ohio. 4

GAME FOWLS, gaffs, game books, etc. Catalog free. Dr. H. P. Clarke, Indianapolis, Ind. 4

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EGGS, $1.50 PER 13. Black, Red and Silver Duckwings. Pit Games. Stamp for circular. Clark Price, Rochester, Mich. 2-4

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SILVER SPANGLED HAMBURGS. Chicago, Pittsburgh, Indianapolis and Nashville winners, all blues competed for. Mating list free. H. F. Alberding, North Judson, Ind. 4

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SILVER SPANGLED HAMBURG eggs for hatching. Great laying strain. Our winnings for the last five years show the stock. $2.50 and $2.00 per 15. Raymond Heald, West Chester, Pa. 3-5

SILVER SPANGLED HAMBURGS—Bred for eggs. Eggs for setting: $1.00, 15; $2.00, 40. H. H. Scott, Sinks Grove, W. Va. 3-5

SILVER SPANGLED HAMBURGS—Won at Hamburg state meet and other shows. Circular free. John Laas, 1010 Buckingham St., Toledo, Ohio. 3-5

LISTEN—REAL GOOD Silver Spangled Hamburgs, for show purposes, sharp spangles, low, wide tails, good comb and shape, prize winners, originator "Beauty Spot" strain. Breeder 12 years. Eggs $2.50 for 15; $4.00 for 30. Circular free. Charley Laughlin, Bloomfield, Ind. 3-5

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SILVER SPANGLED AND BLACK HAMBURGS, "Black Diamond" strain. Highest honors at Madison Square and other leading shows. A trio we sold in 1913 won 1st cock, 2nd hen at the Palace show and 1st cock, 1st and 2nd hens at Madison Square. Eggs, $3.00, $5.00 and $10.00. Will L. Clark, Pres. Am. S. S. Hamburg Club, Sullivan, O. 2-tf

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HOUDANS—WORTH HAVING—the coming fowl. Setting, 13 eggs: Pen 1, $3.00; Pen 2, $2.00; Pen 3, $1.50. Very reasonable considering quality. C. A. Kelly, Browntown, Wis. 4-5

HOUDANS—YOUNG AND OLD stock, eggs for hatching. T. E. Meyer, Lombard, Ill. 4

HOUDANS. 15 EGGS, $1.50; 30, $2.75. Honey Creek Poultry Farm, Kahoka, Mo. 4

FAMOUS HOUDAN eggs and cockerels from as fine as any. Photographs in catalogue for stamp. R. A. Troth, Orleans, Ind. 3-5

HOUDANS AS THEY SHOULD BE! More firsts, club ribbons, cups, gold specials at largest shows than all competitors combined! Superior stock. Eggs, $2.50 and $5.00. Don't buy until you read free illustrated circular. Dr. H. E. Dunne, Center Street, Ridgeway, Pa. 3-5

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MY HOUDANS ALWAYS WIN, and my price is what? Eggs only $1.00 per 13. H. Merriam, Ashburnham, Mass. 3-5

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THE WORLD'S GREATEST Houdans are McAvoy strain. Have several fine birds which I guarantee. Write me your wants, I can supply you. Price very reasonable. F. M. Griffith, Wayne, Neb. 3-5

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BAST'S HOUDANS—AMERICA'S BEST. Highest awards Boston, 1914; Madison Square Garden. Best display, Philadelphia, Hagerstown, Allentown. Write your wants. Prices reasonable. W. F. Bast, Phillipsburg, N. J. 2-4

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30 YEARS A BREEDER and exhibitor of Black Javas. Winners two world's fairs, Chicago, St. Louis. Champion birds, 1914, State Poultry Show. Eggs, $1.50 15. Herbert Hodgson, Albion, Ill. 4

WRITE S. W. MORTON, Secretary American Java Association, Albany, N. Y., for list of leading breeders. 3-8

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LAKENVELDERS. DAY OLD CHICKS, $25.00 per 100; $7.50 per 25. Safe delivery guaranteed 1,000 miles. Eggs, $3.00 per 15 or $12.00 per 100. Hens or pullets with pure white bodies at $5.00 each. Winners at Madison Square and Chicago. W. R. Legron, Harvard Terrace, Toledo, O. 4-6

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LAKENVELDERS—MYERS' SENSATIONAL, beautiful fowls were winners of five firsts, Chicago, 1912, and four firsts, Freeport, Ill. Catalog free. Frank Myers, Freeport, Ill. 2-4

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WHITE LANGSHANS of quality. Eggs for hatching. Tariff off. Alonzo Tyner, Greenfield, Ind. 4-6

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BLACK LANGSHANS. Choice breeders for sale. Eggs: $2.00 15, $5.00 45, $9.00 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

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BABY CHICKS, $8.00 PER 100, ordered now for July delivery. Bully good Wyckoff White Leghorns: April 13, $15.00; April 20, $14.51; May 4, $13.52; then 49c less each week until July. Discount one cent each day for advance orders. Safe delivery guaranteed. Good circular free. George Phillips, R. 111, Seymour, Conn. 4

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SINGLE COMB WHITE LEGHORNS noted for their heavy laying. Eggs, $5.00 per 100. Some breeding stock for sale. L. Henely, Geneva, Ill. 4-6

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S. C. W. LEGHORNS. Superior as prize winners and egg producers. They are bred that way. Try our Perfection strain and be convinced. Write for illustrated catalog today. It's free. Eggs, $1.50 per 15; $5.00 per 100. Chicks, $12.00 per 100. Why pay more? W. M. Harrod, Flat Rock, Ind. 3-5

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DAY-OLD CHICKS and hatching eggs from heavy winter layers. Flocks of 60 averaging 160 to 170 eggs per layer. Safe arrival of chicks and fertility of eggs guaranteed. Hens and well-developed cockerels exclusively used for breeders. Correspondence invited. Hawthorne Leghorn Farm, 2406 Flatbush, Ave., Brooklyn, N. Y. 4-6

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ONLY EGG PRODUCERS of merit are used in our pens of fine S. C. White Leghorns. Let them work for you. Settings from good utility stock, $1.50 per 15. Few from best pens, $3.00 per 15. Turner's Poultry Farm, Maumee, O. 4-5

NONE BETTER S. C. WHITE Leghorns. Eggs for hatching. Day-old chicks, pullets for layers and stock for breeders. Our stock is as good as the best. Our prices reasonable. Our terms sensible. Write us. Summit Poultry Farm, Ridgely, Md. 4-6

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ST. LOUIS WINNERS. White Leghorns, $1.50 per 15. Herman Kruse, Kirkwood, Mo. 3-4

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SINGLE COMB WHITE LEGHORNS. Range raised, heavy layers. Newtown strain. Eggs, $6 hundred; chix, twelve cents each. Satisfaction guaranteed. Longfield Farm, Cason Bros., Props., Carrollton, Mo. 3-5

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DAY-OLD CHICKS, hatching eggs (Wyckoff strain), from selected winter layers, no pullet breeding. Prices greatly reduced. Satisfaction guaranteed. Oakdale Farm, Box A, Chester, New Jersey. 3-5

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SINGLE COMB WHITE LEGHORNS (Young's strain direct), free range, heavy layers. Eggs, $1.00 15, $2.50 50, $4.50 100, $40.00 1000. White Feather Farm, New Bremen, Ohio. 3-5

SINGLE COMB WHITE Leghorns bred for quality, size, egg production; 100 eggs, $4. V. M. Bearden, Thayer, Iowa. Branch: Bloomfield, Iowa. 3-5

SINGLE COMB WHITE LEGHORNS, range raised, vigorous stock, bred to lay; eggs for hatching, day-old chicks. Pullets for fall delivery. Exhibition and utility stock. One hundred June hatched pullets, 65 cents each. C. H. Beebe, Saddle River, New Jersey. 3-5

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WINTER LAYERS. I have them. Fine, large, pure Single Comb White Leghorns, farm range. Eggs, 15 for $1.00; $5 100. W. H. Boon, Batavia, Iowa. 3-5

S. C. W. LEGHORNS exclusively. Large, vigorous cockerels. Choice hens and pullets for breeders for sale. Eggs from heavy winter layers for hatching. James H. Malone, Buffalo, Ind. 3-5

FOR PRICES NO HIGHER than common stock, I can give you "real" bred-to-lay stock, chicks and eggs. A few exhibition eggs. Verworthy Poultry Yards, West Brighton, N. Y. 3-5

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WYCKOFF, CORNING S. C. White Leghorn eggs, $1.00, $1.50, $2.00 for 15. M. H. Bridwell, Albany, Wis. 3-4

S. C. WHITE LEGHORNS. Young's strain, $1.00 per 15 eggs. J. C. Robertson, Galion, Ohio. 3-5

S. C. WHITE LEGHORN hatching eggs (Ferris-Wyckoff), 15, $1.00; 100, $4.00. Sell pullets $2.50 each. Ernest Thilow, Keene, Virginia. 3-5

YOUNG'S STRAIN SINGLE Comb White Leghorn hatching eggs, $1 and $1.50 per 15. Fertility guaranteed. Baby chicks, 12c. Hough's Farms, Bedminster, N. J. 3-4

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COMMERCE STRAIN S. C. WHITE LEGHORNS—Originated for eggs, produce winners, too. They're white. Eggs, $1.00 per 15; $5.00 per 100. Chicks, 12c each. Everfresh Egg Farm, Dept. A, Ionia, Mich. 2-4

TOM BARRON'S DIRECT imported champion 282-egg Leghorns. Scheperd Brothers, Parkville, Maryland. 3-5

SINGLE COMB WHITE LEGHORNS. Four firsts at Batavia. Circular free. H. W. Benson, Batavia, Illinois. 3-5

BLANCHARD - WYCKOFF SINGLE COMB White Leghorns. Eggs, $3.50, $4.00 and $4.50 per 100. Cockerels. Catalog free. W. Albers, Lombard, Ill. 3-5

A "SQUARE DEAL" TO ALL—Whitney's S. C. White Leghorns are money makers. Bred to lay and exhibit. Eggs from best layers, $1.00 per 15; $1.75 per 30; $2.50 per 45; $5.00 per 100. Fertility guaranteed and "Golden Rule" observed. Booklet free. Wm. B. Whitney, Marlboro, Ulster Co., N. Y. 2-14-tf

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S. C. WHITE LEGHORNS—Corning's and Cyphers' first quality direct. Breeders; yearling great layers, $2.00, $3.00; splendid, vigorous cockerels, $3.00, $8.00. Eggs, $6.00 per 100. Chicks, $12.00. St. Johnsville Poultry Farm, St. Johnsville, N. Y. 2-4

SINGLE COMB WHITE LEGHORNS—Iowa State Show winners. Large, free-range birds bred for heavy egg production. Send for mating list. Selected eggs, $4.00 per 100. Greenwood Farm, Hampton, Iowa. 2-4

FERRIS STRAIN WHITE Leghorns—Eggs for hatching, $1.25 per 15; $6.00 per 100. Replace infertiles free. Fred Deibl, Morrisonville, Ill. 2-4

SINGLE COMB WHITE LEGHORNS—Fine cockerels, $1.00. Circular. Albert Daily, Frankfort, O. 2-4

SINGLE COMB WHITE LEGHORNS—Free range. Eggs, $4.00 per 100. Mrs. Ben Baskerville, "Hillcroft," Montrose, Mo. 2-5

S. C. WHITE LEGHORN EGGS—A strictly choice flock of matured winter layers raised on free range. 15 eggs for $1.00; 100 for $5.00; 1,000 for $45.00. Day-old chicks, 100 for $10.00. Satisfaction guaranteed. Mt. St. Francis Poultry Farm, Box E, Floyds Knobs, Ind. 2-5

SINGLE COMB WHITE LEGHORN hatching eggs. Utility matings, $1.50 per 15; exhibition matings, $3.00 and $5.00 per 15. Stock for sale. Champion White Leghorn Man, J. H. Leffler, Esq., Sharpsburg, Pa. 2-4

SINGLE COMB WHITE LEGHORNS—Eggs for hatching of high-scoring, trap-nested layers. Mating list free. Neubauer, Troy, Ill. 2-4

WE ARE NOW BOOKING orders for eight weeks' old English Single Comb White Leghorn cockerels, $1 each. Delivery June 5. Eggs for hatching $5 per hundred. Catalogue on request. Tomoka Poultry Farm, Ellington, Conn. 4

S. C. WHITE LEGHORNS—Eggs. J. B. Stephens, Newport, Pa. 2-4

SINGLE COMB WHITE LEGHORN eggs for hatching from good winter layers, $1.00 per setting. David McPhee, R. 1, Norristown, Pa. 2-4

JERSEY STRAIN S. C. WHITE LEGHORNS—Guaranteed large white eggs from vigorous, two-year-old females. Send for catalog. North Jersey Poultry Farm, Box A, Ramsey, N. J. 2-5

HIGH CLASS SINGLE COMB White Leghorns, Young's strain direct; wonderful layers; 15 eggs, $1.00; 50, $3.00; 100, $5.00; 200, $10.00. Strictly fresh laid. Henry Heitkamp, New Bremen, O. 2-5

BARRON ENGLISH LEGHORNS winners at Storrs, Conn., and Mountain Grove, Mo., egg contests. Also our own Green Wood strain, heavy layers of heavy eggs; 400 breeders; 1,600 layers. Day-old chicks; hatching eggs. Send for circulars. Green Wood Poultry and Egg Farm, R. 5, West Allis, Wis. 2-4

ENGLISH SINGLE COMB WHITE Leghorns, near relations to competition winners at Connecticut Agricultural College and Mountain Grove, Mo. Eggs, $3.00 per dozen, carriage paid. Adult birds from $6.00 each. Carriage paid to nearest Atlantic ports. Arthur Stephenson, Cowling, Keighley, England. 2-4

26 WINNERS THIS SEASON—You can't find better. Write for prices today. Exclusively S. C. White Leghorns of D. W. Young strain. Mating list now ready. I guarantee satisfaction. Let me hear from you. Chas. Myers, Carrollton, Ill. 2-4

SINGLE COMB WHITE LEGHORN eggs, Ferris strain, $4.50 per 100 and up. W. P. Tunstall, Jr., Quinton, Va. 2-4

S. C. WHITE LEGHORNS, special trap-nested. Geo. B. Ferris direct. Eggs in season. Correspondence invited. Morning Poultry Yards, Purdy G. Olson, 123 Hazel St., New Haven, Conn. 2-4

SINGLE COMB WHITE LEGHORN eggs, from 196-egg strain, large, white-quilled, scoring to 96. Five firsts at Cleveland, 1913. George W. Wolfrum, Carey, Ohio. 2-4

SINGLE COMB WHITE LEGHORN cockerels, $1 each. Eggs, 15, $1; $5 per 100. Bert Breckenridge, Union, Mo. 2-4

TOM BARROWS WHITE LEGHORNS direct, also Young and Wyckoff strains. Eggs, $1.00 per 15; $5.00 per 100. Catalogue of matings and poultry supplies free. The Elmore Farm, Bridgeport, Conn. 1-4

$1.00 EACH—SINGLE COMB WHITE Leghorns, pullets and cockerels, yearlings and cocks. Shipped anywhere. As many as desired. Write for catalogue. Woodworth Farm, Wilton, Conn. 8-tf

R. C. WHITE LEGHORNS.

ROSE COMB WHITE LEGHORN eggs from Chicago winners. Catalog. Harry Aiken, Chaseburg, Wis. 4-6

R. C. W. LEGHORNS, Elephant strain, always winners. 100 eggs, $5; cockerels, $2 up. Circular. Rogers Ranch, Pleasanton, Iowa. 3-4

ROSE COMB WHITE LEGHORN eggs 75c 15, $4.00 100. Web. Hugunin, Janesville, Wisconsin. 3-5

ROSE COMB WHITE Leghorns, 15 eggs, $1.00; 50, $3.00; 100, $5.00. Henry Schowe, New Bremen, Ohio. 3-5

WHEELER'S ROSE COMB WHITE Leghorns, 1914 winners. Firsts at Illinois' and Iowa's state poultry shows. Albert V. Wheeler, Carlinville, Illinois. 3-5

ROSE COMB WHITE LEGHORNS, farm raised and healthy. Eggs for hatching, $1.50, $2.00 and $2.50 per 15. Springer Craig, R. F. D. No. 4, Uniontown, Pa. 2-4

ROSE COMB WHITE LEGHORNS, 1914 champion winners. Catalog. Edward L. Beach, Lincoln, Ill. 2-5

PAUL'S POPULAR PROFITABLE Poultry—Rose Comb White Leghorns. Eggs, $1.50 to $2.50 per 15. B. M. Paul, New Bedford, Pa. 2-4

RIGLER'S ROSE COMB WHITE Leghorns won four firsts, three seconds, two thirds on 10 entries at the great Coliseum show, Chicago, 1913. Catalog free. Geo. A. Rigler, Bentonsport, Iowa. 2-4

S. C. BROWN LEGHORNS.

SINGLE COMB Brown Leghorns, 20 years selecting and breeding for heavy layers; figures to prove their laying ability; eggs, 15, $1; 50, $3; 100, $5. Almond Dennis, Cameron, N. Y. 4-6

SINGLE COMB BROWN LEGHORN eggs. Laying strain, $1.50 per 15. Chas. A. Merkel, Cedar Rapids, Iowa. 4

S. C. BROWN LEGHORNS. Eggs from my Chicago, St. Louis, Decatur, state show winners. Send for mating list. Geo. L. Hornbrook, Box B, Decatur, Illinois. 3-5

26 SINGLE COMB Brown Leghorn eggs $1.00; 100 eggs $3.50. 20 chicks $3.00. Mrs. John Morse, Route 4, Avon, Ill. 3-5

SINGLE COMB BROWN LEGHORNS. Bred for size, eggs and to win; 30 eggs, $1.50; 100, $4.00. Mrs. John Dietrich, Borden, Ind. 3-5

S. C. B. LEGHORNS—100 cockerels, 500 pullets for sale. Exhibition and utility stock. We can save you money. Write us. Catalog free. Eli F. Hersey, Parkersburg, Iowa. 2-4

$3.50 PER HUNDRED GUARANTEED fertile eggs. Welday's Vitality Strain Single Comb Brown Leghorns have an 8-year flock average record of 211 eggs per hen yearly. World's leading layers. Price smasher catalog free. Stock for sale. K. K. Welday, Seville, O. 2-4

SOME GOOD SINGLE COMB Brown Leghorn cockerels. Eggs, 15, $1.00; 100, $4.00. Large orders a specialty; 36 years breeder. Ed B. Murphy, Box 4, Carmel, Ind. 2-4

WELDAY'S WORLD LEADING SINGLE Comb Brown Leghorn mating is guaranteed to produce winners at any show. Send for startling free catalog. K. K. Welday, Seville, Ohio. 2-4

R. C. BROWN LEGHORNS.

ROSE COMB BROWN LEGHORNS. Eggs, $1.00 per 15. George Fennell, Route 5, Corliss, Wis. 4

ROSE COMB BROWN LEGHORNS. 15 eggs, $1.00; 30, $1.75; 100, $3.50. Honey Creek Poultry Farm, Kahoka, Mo. 4

ROSE COMB BROWN Leghorns, Kulp strain direct, the world's best laying strain. Eggs, $1.00 per 15, $5.00 100. Frank Shetler, Golconda, Ill. 3-5

ROSE COMB BROWN Leghorns, Kulp strain. Eggs from standard bred, high-scoring stock, $4.00 per 100. Pirtle Poultry Farm, Bloomfield, Iowa. 3-5

ROSE COMB BROWN LEGHORN cockerels, $2.00 to $8.00; eggs, $1.00 to $3.00 per 15. Big winners, big layers. Mating list. Gerald J. Donahue, Box 59, Delavan, Wis. 3-4

ROSE COMB BROWN Leghorn eggs for hatching. Both matings. Send for mating list. I. A. Fiedler & Son, Cuba City, Wis. 3-5

EVERGREEN FARM Rose Comb Brown Leghorns. Eggs, pens, $2 to $5 per 15; from flock, $1 per 15, $5 per 100. Also have some choice cockerels left. Mrs. J. J. Case, Box 46, Elmhurst, Ill. 3-5

KULP'S 242 STRAIN Rose Comb Brown Leghorn baby chicks, $10 per 100; eggs, $3.50 per 100; $1 for 15. Mrs. M. N. Smith, R. 2, Packwood, Iowa. 2-4

27 YEARS BREEDING large 242 egg strain Rose Comb Browns. Catalog. W. W. Kulp, Box 70, Pottstown, Pa. 2-4

ROSE COMB BROWN Leghorn cockerels, fine birds, good combs. J. W. Cook, Bluffton, Ind. 1-4

BUFF LEGHORNS.

BUFF LEGHORNS. Both first Chicago, 1913. Horton Green, Dixon, Ill. 4-6

SINGLE COMB BUFF LEGHORNS as bred by the oldest breeder of this bird in America. Eggs in season $1.50 to $3.00 per setting; $4.50 per 100. S. M. Keitner, Anderson, Ind. 4-6

S. C. BUFF LEGHORNS—1913-14 winners at Indianapolis, Atlanta, Kansas City, St. Louis, Nashville, Knoxville, Louisville and others. Stock and eggs, prices very reasonable. C. V. Norris, Box 412, Thorntown, Ind. 3-5

PEARCE'S R. C. BUFF Leghorns. Winners Madison Square and Chicago. Eggs, $1.50, $3.00, $5.00 per 15. J. D. Pearce, 307 2nd Ave., Altoona, Pa. 4-6

S. C. BUFF LEGHORNS. We have five-pound layers of life-size white eggs. Five-acre range; open-front houses. Eggs, $2.00 and $3.00 per 15. Pens, trios. Circular. Dr. Wm. L. Farrand & Sons, Appleton, Wis. 4-6

SINGLE COMB BUFF LEGHORNS. Guaranteed eggs, $1.50. Cleveland winners. C. TeBow, Route 2, Bedford, O. 4

S. C. BUFF LEGHORNS. Good quality. Good range. Eggs, 15, $1.00; 100, $4.00. Renaud Bros., 315 East Second St., Pella, Iowa. 4-6

SINGLE COMB BUFF LEGHORNS—264 premiums Madison Square, Palace, Patchogue, Allentown, Mineola, Syracuse, Williamsport, Hempstead. Winning males head matings. Eggs, $1 to $10 per 15. Chicks, 15c to $1 each. List free. Wm. Crevoiserat, 34 Mill Road, Freeport, N. Y. 4-5

MADISON SQUARE AND PITTSBURGH winners this season. "Faultless" Single Comb Buff Leghorns, trapnested, 263 eggs yearly. Pedigreed modern exhibition quality. Eggs, $1.50, $3.00, $5.00. Fertility guaranteed. J. C. Bernhard, Observatory Station, Pittsburgh, Pa. 4-5

S. C. BUFF LEGHORNS. Some good breeders and utility cockerels for disposal. Eggs for hatching from my three fine pens, $5, $3 and $1 for 15 eggs. Karl Nelson, 508 East Wall St., Morrison, Ill. 3-5

S. C. BUFF LEGHORN and Buff Rock eggs, $1.00 for 15; $5.00 per 100. Bourbon Red turkey eggs, $3.00 per 12. Write. O. E. Reynolds, Wharton, Ohio. 3-5

SINGLE COMB BUFF LEGHORNS exclusively. Select matings, 15 eggs, $1.50; utility stock, 15 eggs, $1.00, or $3.00 for 100. Mrs. Frank Carnahan, Adrian, Mich. 3-5

SINGLE COMB BUFF LEGHORNS of quality. Booking orders for eggs and chicks. Send for mating list. W. J. Offutt, New Castle, Pa. 3-5

MRS. GLEASON ADAMS Single Comb Buff Leghorns. Winners Pittsburgh, Cleveland, Columbus. Stock and eggs. Prices reasonable. Cambridge St., Coshocton, Ohio. 3-5

ROSE COMB BUFF LEGHORNS. Tecktonius strain. Winter egg producers. First pen, $2.50 per 15 eggs; utility pens, $1.25. E. B. Stacy, 929 South Cedar, Lansing, Mich. 3-5

ROSE COMB BUFF LEGHORNS, 13 eggs $1.00. Leonard A. Waltman, New Albany, Pa. 3-5

ROSE COMB BUFF LEGHORNS. Catalogue. Howard J. Fisk, Box A, Falconer, N. Y. 3-8

MADISON SQUARE, Greater Buffalo and Pittsburgh Poultry Exhibition winners this season. Two champions. Grand matings. Stock and eggs. Thornycroft Buff Leghorn Farm, Washington, Pa. 3-5

SINGLE COMB BUFF LEGHORNS, first premium winners at Illinois State Show, 1914. Shape, color and champion; exceptionally good winter layers. Eggs, $1.50 and $3.00 per fifteen. C. H. Fritschow, Brookfield, Ill. 3-5

APRIL SALE—FINE PULLETS (Single Comb Buff Leghorns), one dollar each. Also few good cockerels left. Wm. Everhard, Wadsworth, Ohio. 4

SINGLE COMB BUFF LEGHORNS. Sensation at Chicago show. Write for free mating list and photos of our grand winners. Suburban Sanitary Poultry Farm, Desplaines, Illinois. 3-5

MERIHEW'S BUFF LEGHORNS have shape and color that wins at Madison Square. Bred 16 years for large, white eggs. Breeders for sale. Mating list free. L. E. Merihew, Marathon, N. Y. 3-5

BUFF LEGHORNS—SINGLE COMB, grand, large full buff breeding birds for sale, males and females; great egg producers. Eggs, $1.00 per 15, $5.00 per 110. Geo. C. Schwegman, Richmond, Ind. 2-5

BUFF LEGHORNS, Single Comb. Cincinnati, December, two entries, two firsts; Indianapolis, January, first, second, third cockerel, first pullet, second pen; 15 eggs, $1; 50, $3; 100, $5. James R. Pearcy, Martinsville, Ind. 2-4

SINGLE COMB BUFF LEGHORNS—Pen headed by first cock Buffalo's greater show, 1913; females consist of first pen Syracuse, first pen Ogden. Eggs, $10 setting. G. S. Boller, Little Valley, N. Y. 2-4

S. C. BUFF LEGHORNS—The kind that lay. Eggs, $1.50 per 15. E. Slate, South Hammond, N. Y. 2-4

SINGLE COMB BUFF LEGHORNS—Eggs from prize winners. Choice matings, 15, $1.50 and $3.00. Cockerels, finest quality, $2.00 to $5.00. Mrs. Seth Marsh, McKean, Pa. 2-5

SINGLE COMB BUFF LEGHORNS—Eggs for hatching from fine layers and prize winners. W. L. Jump, Route 2, Huron, O. 2-4

S. C. BUFF LEGHORNS direct from New York and Chicago winners; 2 matings; stock, eggs, baby chicks. F. J. Rosenberger, R. 9, Tiffin, O. 2-5

S. C. BUFF LEGHORNS—Eggs, $1 per 15. Catalog free. Buff Leghorn Farm, Columbia, Pa. 2-4

SINGLE COMB BUFF LEGHORNS—Cockerels, $1.50, $3.00 and $5.00. Eggs, $1.50 and $3.00. Baby chicks, 17c each. C. Emmet Owen, Box 384, Machias, N. Y. 2-5

ROSE COMB BUFF LEGHORNS won first cock, first pullet, second hen, fourth cockerel on four entries at Chicago, Dec. 12 to 17, 1913. Eggs for hatching. Write for mating list. Geo. F. Hoffman, Cuba City, Wis. 2-5

BLACK LEGHORNS.

BLACK LEGHORNS—Eggs for hatching from my 1914 prize winners. Send for circular and mating list. Scott Long, Carey, O. 3-5

BLACK LEGHORNS bred to win and lay. Eggs and baby chicks. Charles Boyer, Urbana, O. 3-4

BLACK LEGHORNS A SPECIALTY. Eggs for sale. J. Beltz, Ealing, London, Canada. 3-5

"EVENTUALLY" ALEXANDER'S BLACK Leghorns. Write Jas. Alexander, Marysville, O. 2-4

BLUE LEGHORNS.

SOMETHING NEW—BLUE LEGHORNS. Our stock from winners Madison Square Garden. Eggs only. Scherer & Clark, Olney, Ill. 2-4

PARTRIDGE LEGHORNS.

PARTRIDGE LEGHORNS. Eggs, $5.00 per 15; $8.00 per 30. Oscar Schierholtz, Route 2, Elmira, Ont. 4-5

LEGHORNS—SEVERAL VARIETIES.

50,000 S. C. WHITE, Buff and Brown Leghorn yearlings, pullets, cockerels; baby chicks and eggs. Catalogue stamp. Failing Poultry Farm, LaFargeville, N. Y. 3-6

SINGLE COMB WHITE and Brown Leghorns. Eggs and stock, baby chicks. Mrs. E. R. Dees, Waltonville, Ill. 3-5

WHITE ENGLISH LEGHORNS Queen of the egg laying races. Larger than an American Leghorn. Excellent table qualities, lay very heavy large white eggs, quiet and gentle. Hatching eggs, $5.00 per 15. Mrs. C. S. Chandler, Liberty, Neb. 2-4

ROSE COMB BROWN and White Leghorn cockerels, the business kind, large stock. Eggs in season. Satisfaction guaranteed. E. B. Cole, Sauquoit, N. Y. 2-5

BLACK MINORCAS.

RENNER'S SINGLE COMB BLACK Minorcas. Eggs for hatching from prize winners at Madison Square, Chicago and Cleveland. Reasonable prices. Get list. Al Renner, Coshocton, Ohio. 4

VIGOROUS SINGLE COMB Black Minorcas, winners exhibition or utility. Eggs, $3.00 setting; two, $5.00. Fine cockerels for sale. Columbian Poultry Yards, 624B, Canastota, N. Y. 4-5

ROSE COMB BLACK MINORCAS, pedigreed stock, first cockerel Cleveland Breeder's Association show. Stock and eggs in season. Philip J. Minch, 1907 East 97th St., Cleveland, O. 3-6

SINGLE COMB BLACK Minorcas exclusively (Northup strain). Eggs, $1.50 per 15. Cockerels, $2.00 and $3.00. B. C. Deyo, New Paltz, N. Y. 3-5

FOR SALE—CHOICE large breeding hens, fine laying pullets. Prize winning stock. Eggs, $2.00 per 15. A. B Kaye, Walworth, Wis. 4-6

S. C. BLACK MINORCAS and Partridge Plymouth Rocks. Eggs for sale. Write for prices. Schar Poultry Yards, Clarno, Wis. 4-6

SINGLE COMB BLACK MINORCAS. Chicago and Indianapolis prize winners. Mating list free. Joe Lewton, Elwood, Ind. 4

S. C. B. MINORCAS. Blue ribbon winners, Northup strain. Eggs, $2.00 per 15. Perry Sweet, Falconer, N. Y. 4-6

ROSE COMB BLACK MINORCAS. Eggs, $1.50 and $2.50 per setting. Jas. S. Lawrence, Sugar Loaf, N. Y. 4

SINGLE COMB BLACK MINORCA eggs $1 per setting, $5 per hundred. Catalogue. A. F. Shaw, Carmel, Ind. 3-5

EGGS FROM SINGLE COMB Black Minorcas bred for size and heavy egg production. M. B. Corliss, Chenoa, Illinois. 3-5

EGGS FROM HIGH-SCORING EXHIBITION Single Comb Black Minorcas with winnings at Chicago, Springfield, Peoria, Canton. Douglas Clarke, Chenoa, Illinois. 3-5

S. C. BLACK MINORCAS (Northup strain). Cockerels, baby chicks, eggs. Catalogue stamp. Failing Poultry Farm, LaFargeville, N. Y. 3-6

SINGLE COMB BLACK Minorcas. Careful breeding. Eggs for setting. Charles F. Beck, LaFayette, Ind. 3-5

ROSE AND SINGLE COMB Black Minorcas. Choice breeders for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

BESWICK'S ROSE COMB Black Minorcas—Great laying strain. Eggs from Cleveland winners. Mating list for a postal. J. Beswick, Berea, O. 2-4

S. C. B. MINORCAS—Eggs, 10c each, $5 per 100. Lena E. McKay, Macon, Mo. 2-4

S. C. BLACK MINORCAS, Northrup strain, won third pullet at St. Louis, 1913. 50 grand cockerels and pullets for sale. Eggs in season. J. C. Batts, Ewing, Ill. 2-4

SINGLE COMB BLACK MINORCAS—Standard bred. Eggs, $2.00 per 15. Also day-old chicks. Lester Vining, Ulster Park, N. Y. 2-4

ROSE COMB BLACK Minorcas (Northrup strain). Eggs, $1.50 per 15; $7.00 per 100. Cockerels for sale. J. R. W. Deyo, New Paltz, N. Y. 2-4

HARTMAN'S SINGLE COMB BLACK Minorcas again winning their share at Chicago great midwest show, Dec., 1913; 1st cockerel, 2nd pen. Mating list about Feb. 15th. Maywood Poultry Yards, August E. Hartman, 405 N. 7th Ave., Maywood, Ill. 2-4

ROSE COMB BLACK MINORCAS—The kind that pays and pleases every customer. Breeding stock and eggs for sale. Folder free. Jacob Baugh, Broadway, Va. 2-4

SINGLE COMB BLACK MINORCAS exclusively. Northrup foundation. Write for price of stock. Satisfaction guaranteed. Hope Farm Poultry Yards, Route 2, Dayton, O. 2-4

SINGLE COMB BLACK MINORCAS—A finer pen you never saw. Eggs, $1.50 per 15. E. D. Willson, Wauseon, O. 2-4

ROSE COMB BLACK MINORCAS—Big birds, bred for eggs and combined show points. Eggs and chicks at moderate prices. Write. S. W. Kline, Box 50, Middlecreek, Pa. 2-4

BEAT THIS! GRAND Rose Comb Black Minorcas. Eggs, 5c apiece. Rev. Paul Wagner, Beaufort, Mo. 2-4

ROSE COMB BLACK MINORCAS exclusively, Northup-Mishler, Stevenson's strains. America's very best. Eighteen years breeding this one fowl. Exhibition and breeding birds a specialty. Eggs in season. Write me your wants. I insure satisfaction. John D. Stevenson, Coshocton, Ohio. 1-4

WHITE MINORCAS.

ROSE AND SINGLE COMB White Minorcas. Fifteen eggs, $2.00. Charles Palmer, Nassau, N. Y. 4-6

OUR ROSE AND SINGLE COMB White Minorcas are profit payers. Selected eggs, $3.00 setting; two, $5.00. Fine cockerels. Columbian Poultry Yards, 624B, Canastota, N. Y. 4-5

ROSE COMB WHITE MINORCAS. Eggs for hatching, and stock. Write. Felix L. Schneider, Jasper, Ind. 4

ROSE COMB WHITE MINORCAS. Chicago winners. Catalog. Crescent Farms, Appleton, Wis. 4

SINGLE COMB WHITE MINORCAS. A clean sweep Coliseum Show, Chicago, December, 1913. All firsts, all cups and other specials. Choice stock for sale. Mating list. Black Point Poultry Yards, Zenda, Wisconsin. 3-5

SINGLE COMB WHITE MINORCA eggs from pure white stock with very low tails; also laying pullets for sale. C. W. Rowland, LaPlace, Ill. 4-6

DICKINSON'S SUGAR BUTTER Single Comb White Minorca eggs only, stock all sold; 15 eggs for $2.00. Orders filled consecutively as received. Bailey Bros, Marshalltown, Iowa. 4-6

SINGLE COMB WHITE MINORCAS, leading strain; eggs reasonable. Henry Heitkamp, New Bremen, Ohio. 3-5

MEISELBACH'S SINGLE AND ROSE COMB White Minorcas, highest quality. Stock and eggs. Harry Meiselbach, Melrose Park, Ill. 3-5

SINGLE COMB WHITE MINORCAS. My stock is farm raised, and all vigorous, high scoring birds. Send for free circular and price list. A. L. Buzzard, Washington, Ill. 3-5

ROSE COMB WHITE MINORCAS that win, year after year, with size, color and shape. A. B. Caldwell, Alledonia, Ohio. 2-5

ROSE AND SINGLE COMB White Minorca eggs. Satisfaction guaranteed. Edw. C. Holl, New Knoxville, Ohio. 2-4

SINGLE COMB WHITE MINORCAS. If you're interested in the best, send for my mating list. C. Augustus Raschke, Kingston, N. Y. 2-4

RICHLAND POULTRY YARD, Waynesville, N. C. S. C. White Minorcas exclusively. Cocks and cockerels; eggs $2.00 per 15. 12-4

BUFF MINORCAS.

HOBBS' BUFF MINORCAS—latest standard variety and coming breed. Photos. Catalogue. Address O. K. Hobbs (Specialist), Hickory Grove, Ky. 4

BUFF MINORCAS. Eggs for hatching from selected birds, $2 for 15. Hens and cockerels for sale. Derryfield Farm, Odd Fellows Temple, Sacramento, Cal. 4-6

BLACK AND WHITE MINORCAS.

SOME HIGH GRADE exhibition stock, White and Black Minorca cockerels and yearling hens and pullets, all Single Comb. Order eggs now, $5.00 per 15 eggs. White or Black. H. M. Kettering, Greensburg, Pa. 3-5

WHITE ORPINGTONS.

BERKSHIRE HILLS CRYSTAL White Orpingtons again won many firsts and specials, including display, at the big North Adams show, January, 1914. Eggs from eight grand pens of our choicest birds at $3.00 per 15. Berkshire Hills Poultry Yards, F. R. Shaw, Proprietor, Adams, Mass. 4-5

KELLERSTRASS WHITE ORPINGTONS. Prize winners. Hatching eggs and breeding stock. Leo Gramling, 2086 Florence Ave., Butte, Mont. 4

KELLERSTRASS WHITE ORPINGTONS—hens, $2 to $3. Eggs per setting, $1.50; 50 eggs, $4; day-old chicks, 1 doz., $3; 25, $5. Order from adv. Sunflower Poultry Yards, Grafton, Ill. 3-4

S. C. WHITE ORPINGTONS. Eggs, prize winning stock, $1.25 setting. Give me a trial. I. Cushner, R. 4, Allegan, Mich. 4

STREBY SNOW WHITE strain Rose Comb White Orpingtons. The world's best. C. M. Streby, Bellville, O. 4-5

WHITE ORPINGTONS. FINE MATINGS of Wm. Moore, Canada, Owens, Kellerstrass and Aldrich birds. The best hen-hatched, farm-reared eggs, $3.00; $1.50 per 15; $5.00 per 100. Sunnyside Farm, Sandwich, Ill. 4-5

S. C. WHITE ORPINGTONS, "World's Best Strain." Foundation stock from Wm. Cook's Madison Square first prize winners. Eggs, $1.50 and $2.50 per 15. Satisfaction guaranteed. Mating list free. C. A. Smart, Wild Rose, Wis. 4

TWO GOOD PENS S. C. White Orpingtons. Eggs, $1.00 per 15; $5.00 100. Amelia Smith, Ohio, Ill. 4-6

ROSE AND SINGLE COMB White Orpingtons, extra large, fine shape and color. Bred from blue ribbon winners. Clyde Schell, New Philadelphia, Ohio. 4

S. C. WHITE ORPINGTON eggs for hatching, from high-scoring, prize-winning birds, $1.50 and $2.00 per setting; $5.00 and $7.00 per 100 eggs. Restland Floral Co., Mendota, Ill. 3-5

S. C. WHITE ORPINGTONS. First prize pen Greater Buffalo Show, 1913, 15 eggs, $10. First prize pen Silver Creek, N. Y., Show, 1913, 15 eggs, $5. Fertility of the eggs, vitality, characteristics and type of chicks guaranteed. If, for any reason, you are not entirely satisfied, I will replace the eggs free. Fred J. Stilke, East Aurora, N. Y. 4-5

WHITE ORPINGTON HOME—quality strain Rose Comb White Orpingtons. Eggs from tested and proven superior layers, 15, $2.50; 30, $4.50. Eggs from my great Auburn winners, 15, $5.00; 30, $9.00. Hatch guaranteed. Baby chicks, 25c and 50c each. Pound chicks, 75c and $1.00 each. Fine cockerels, $2.25 each. Circular free. Earl L. Cook, Munnsville, N. Y. 4-6

S. C. CRYSTAL WHITE ORPINGTONS of quality, Kellerstrass strain. Prize winners. My stock has color, shape and size, scoring 92 to 96½. Stock and eggs for sale. Eggs, $5 per 15; $9 per 30. Satisfaction guaranteed. J. W. Shiffler, Upper Sandusky, O. 4

ORPINGTONS. LARGE, ACTIVE S. C. W. Wonderful layers. Fifteen eggs, $2.00. Harry Paynter, McGregor, Minn. 4

CRYSTAL WHITE ORPINGTON eggs for hatching. Stock from eggs direct from Kellerstrass farm. Fine, vigorous birds. Standard weight. Grand layers, $2.00 to $2.50 per setting. Mrs. Wm. Ross, Oxford, Ind. 4

S. C. WHITE ORPINGTONS. Do you know we own and raised first Baltimore cock, 1914? Eggs from pen headed by this grand bird, $5.00; other matings, consisting of Baltimore and Philadelphia winners, $2.50 per 15. Bonny View Poultry Farm, Keyser, W. Va. 3-5

SINGLE COMB CRYSTAL WHITE Orpingtons from Kellerstrass $30.00 matings. Yearling hens, $1.00 each. Eggs, $1.00 for 15 or $6.00 per 100. Stock guaranteed. H. E. Thompson, Portales, N. Mex. 3-5

KELLERSTRASS WHITE ORPINGTON eggs, $2.00 per 15. J. Jameson, Lombard, Ill. 3-6

FIFTEEN EGGS FROM prize winning White Orpingtons, $2.00. Edward Buss, Janesville, Wis. 3-5

SOME CHOICE WHITE ORPINGTON pullets and yearling hens from prize winning stock. We are quoting low prices to reduce surplus stock. Write us. Walnut Hill Farm, Washington, Pa. 3-4

EGGS! EGGS! EGGS! Aldrich and Kellerstrass strains S. C. White Orpingtons, winners of the blue wherever shown, $3.00 and $5.00 per 15, charges prepaid. Why pay more? Mating list free. Frank Chapman, Canton, Ill. 3-5

S. C. WHITE ORPINGTON eggs, 15, $1.50; 100, $6.00. Satsifaction guaranteed. Nancy Garner, R. 2, Dexter, Mo. 3-5

S. C. WHITE ORPINGTONS—Get our mating list, giving detailed description of six grand pens, containing our Indianapolis, Milwaukee, Omaha, Wisconsin State winners. Free. Eggs, $2 to $7.50 per fifteen. R. Scott, Richmond, Illinois. 3-5

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ROSE COMB WHITE ORPINGTONS, first premium Buffalo, Rochester, other shows. Guarantee Poultry Yards, Warsaw, N. Y. 3-5

WHITE ORPINGTONS—AT CHICAGO, January, 1914, on 6 entries won 2nd cock, 1st cockerel, 1st, 3rd hen. Eggs, $5, $7.50 and $15 per setting. Stock for sale. Send for mating list. W. E. Read, 919 North Seventh Ave., Maywood, Ill. 3-5

EGGS FROM OUR BEST pens of S. C. White Orpingtons, Kellerstrass strain, $2 per fifteen. Large, blocky, high-scoring thoroughbreds. Lake Erie Orpington Farm, R. R. 1, Sandusky, O. 3-5

WHITE ORPINGTONS. Pullets and cockerels. Jackson and Iowana strains. Eggs, $2 per 15. Louis H. Gassmann, Olney, Ill. 3-5

WHITE ORPINGTONS, Kellerstrass, choice stock. Eggs, $1.25 per 15; 100, $7. Springbranch Poultry Farm, Bellville, Ohio. 3-5

S. C. WHITE ORPINGTONS and Black Langshans. Eggs, $1.50 per 15, $7.00 per 100. Send for circular. Morgan Bros., DeLand, Ill. 3-5

SUFFIELD'S WHITE ORPINGTONS. Eggs, day-old and pound chicks. Ad. worth 50 cents with each $5.00 purchase of eggs or stock. Circulars. Dr. H. F. Suffield, Gage, Okla. 3-5

BRED TO LAY. Crystal White Orpingtons. Eggs, $2 per 15. Wildwood Poultry Yards, Arcola, Indiana. 3-5

WHITE ORPINGTONS. Strictly high grade. Eggs from carefully selected stock. Correspondence solicited. O. A. Zimmerman, Forest, Ohio. 3-5

FOR SALE—WHITE ORPINGTON eggs, from winners at Indianapolis, first young pen. Frank Sherwin, Marion, Ind. 3-5

WHITE ORPINGTON EGGS for hatching from 1st prize winners at Freeport, Rockford and Elgin. Send for catalog. Paul Wurtzel, Box 21, Freeport, Ill. 3-5

CRYSTAL WHITE ORPINGTONS. Birds of quality. Good layers. Eggs, 15, $1.00; 100, $4.00. Edmond Berkshire, Depauw, Ind. 3-5

SINGLE COMB WHITE ORPINGTONS from Archwood Yards, Sussex strain, great, large, low down, massive type, extremely white, grand winter layers, grow like weeds. Eggs, 15, $1.50; 50, $4.00; 100, $7.00. Lee W. Morgan, Independence, Indiana. 2-5

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EGGS FROM PRIZE WINNERS, Kellerstrass strain, Magic egg tester used, $3 setting. Achurch, Charleston, S. C. 3-5

SINGLE COMB WHITE ORPINGTONS direct from Kellerstrass. Eggs, pen, $2.00; range, $1.00 per 15. Miss Alma Eichelmann, R. No. 4, Waterloo, Ill. 3-5

WHITE ORPINGTON EGGS $1.50 per 15 from birds from $100 Kellerstrass pen. O. Burt, Albany, Wis. 3-5

WHITE ORPINGTONS. First pen headed by $50.00 cock; second pen headed by $35.00 cock. Eggs, $1.50 to $2.50 per setting of 15. Geo. Jean, Bloomfield, Indiana. 3-5

ORPINGTON EGGS? $2.00 per 15; 100, $10.00. Birds from $100.00 Kellerstrass trio. Males weigh to 10½ pounds. Pullets to 9½. N. Roy Bowman, Albany, Wisconsin. 3-5

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EGGS, 100, $4.00; SETTING, $1.00. Mammoth Barred Rocks; weight to 16 lbs. Howard Irvin, Polo, Ill. 3-6

RINGLET BARRED ROCKS that win and produce winners. Sixteen birds shown, twelve prizes won. Eggs from exhibition matings, $3 and $5 per 15. Mating list. Utility egg prices and show winnings free. Mrs. J. M. Kemp, Kenney, Ill. 3-5

EGGS FROM BRADLEY cockerel line, Latham pullet line. None better. Send for circular, mating list and show record for past year. G. W. Sword & Son, Lanark, Ill. 3-5

BARRED PLYMOUTH ROCKS. Exhibition and utility stock. Eggs for hatching, day-old chicks. Few real good cockerels for sale. C. H. Beebe, Saddle River, New Jersey. 3-5

BARRED PLYMOUTH ROCKS. Pure bred. E. B. Thompson's Ringlet strain. 26 eggs $1.00, $3.50 per 100. Address Ben Custer, Route 9, Madison, Ind. 3-5

RINGLET BARRED ROCKS, selected eggs, $1.00 setting. B. Rhodes, Port Jervis, N. Y. Phone 384J. 3-5

THOMPSON RINGLET BARRED ROCKS. Eggs, $2.00 15. Mrs. James Whitesides, Memphis, Ind. 3-5

RINGLET BARRED ROCKS. 15 eggs, $1.00. Circulars. V. I. Hochstetler, Route 3, Nappanee, Ind. 3-5

BARRED ROCK EGGS from my Cleveland, Columbus, Toledo, Bucyrus winners. Also show birds and breeders. Charles E. Himes, Rudolph, Ohio. 3-5

BARRED ROCK EGGS, Ringlet strain, large, healthy, nicely barred birds; setting, $1.50; 100, $6.00. Infertiles replaced free on 100-egg orders. Walter Irven, Brookville, Ill. 3-5

BARRED ROCKS—15 eggs $2.00. O. F. Gothke, Whitehouse, Ohio. 3-5

BARRED ROCKS. Choice breeders for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

RINGLET BARRED ROCKS. Eggs, $1.50 to $5. Mating list free. M. L. Stamper, Clifton Hill, Mo. 3-5

20 EGGS $1.00. From our fine large and extra heavy laying strain of Barred Plymouth Rocks. Write for circular. W. H. Anger, Madison, Indiana. 3-5

BARRED PLYMOUTH ROCKS, Bradley strain. Farm raised, $1.00 per 15. Fred Scholl, Memphis, Indiana. 2-5

BARRED ROCK eggs and breeders from my Indiana State Fair winners. Prices reasonable. Chas. G. Fuller, Box A, Bicknell, Ind. 2-4

BLUE RIBBON WINNER Barred Rocks won ten Ribbons on twelve entries at the last great Music Hall Show, Cincinnati, Ohio, in the strongest class of Rocks shown in Central West. Have a few good Cockerels left, both matings. Eggs, $2 per setting and up. Wm. Springmeyer, 139 W. 6th St., Cincinnati, O. 2-4

VOYLES' BARRED ROCKS are winners. First pen Louisville, Ky., 1912, 8 yards, both matings. Incubator eggs, $4 per 100. Selected mating, $2 to $3 per 15. A few choice cockerels left. Satisfaction guaranteed. Wm. R. Voyles, Ramsey, Ind., Box O. 2-4

AM NOW BOOKING ORDERS for eggs from bred-to-lay Barred Rocks. All yards mated to cockerels from J. W. Parks, direct. Eggs, $10.00 per 100; $2.00 per 15. Stock for sale. J. W. Bugg, Assumption, Ill. 2-4

BARRED PLYMOUTH ROCKS—eggs, $1.50 per 15. Bert Funkhouser, Ridgeville Corners, Ohio. 2-4

MY STAMINA STRAIN BARRED Rocks won first prize at big Minneapolis show this January. Breeders and hatching eggs cheap. Delivered free. Satisfaction guaranteed. Write me. R. G. Hill, River Falls, Wis. 2-4

BARRED ROCKS—THOMPSON'S Ringlets—Eggs, 100, $3.50; 15, $1.00; 30, $1.75. E. P. Churchill, Allerton, R. 3, Iowa. 2-4

BRED TO LAY BARRED Rocks exclusively. Large, brown eggs for hatching. Closing bargains in valuable cockerels. Write for prices. C. A. Newcomb, Celina, O. 2-4

WHITE PLYMOUTH ROCKS.

COLLINS' PREMIUM WHITE Rocks please particular people. Utility stock for sale; order eggs early. J. G. Collings, Terre Haute, Ind. 4-6

FISHEL WHITE ROCKS. Eggs for hatching from selected matings. Cornelius Heinfeld, New Bremen, Ohio. 4

SOUTHLAND'S CHAMPION WHITE Plymouth Rocks. The most popular and profitable domestic fowl. First, special and sweepstakes prize winners. Line bred, trapnested, farm raised. Stock and eggs for sale. Satisfaction guaranteed. The Best Is None Too Good. Martin F. Schultes, Box 542, Albashire, Bartlett, Tennessee. 4-6

SNOOK'S WHITE ROCKS—eggs from prize winning stock, $1.50 per 15; $7.50 per hundred. Infertile eggs replaced. D. W. Snook, Lewistown, Md. 4-6

WHITE ROCKS EXCLUSIVELY. Winners at Hamilton, Cincinnati, Indianapolis for 12 years. Farm raised cockerels. Eggs from exhibition pens. H. L. Brown, Oxford, O. 4-6

WHITE ROCK HENS, hatched from eggs direct from Fishel; $2 and $3 each. Eggs, $1.50 setting; 50 eggs, $4; day-old chicks, doz., $3; 25, $5. Order from adv. Sunflower Poultry Yard, Grafton, Ill. 3-4

WHITE PLYMOUTH ROCKS (Fishel strain direct). Eggs, $1.50 per 15. Utility eggs, $5.00 per hundred. Overyonder Farm, North Chicago, Ill. 4-6

WHITE PLYMOUTH ROCKS. Day old chicks, $15.00 per 100. Eggs, $1.50 per 15. Every pen headed by male of exhibition quality, direct from Fishel's best. Females of excellent quality. Write wants. F. W. Driscoll, Redkey, Indiana. 4-5

FISHEL WHITE ROCKS. Eggs from extra selected stock, $2.00 per 15. R. K. Galebach, Elm, Pa. 4

WHITE ROCK EGGS from three pens of prize winners. Prices within reach of all. Mating list free. Hardy & Hardy, Hampton, Iowa. 3-5

HIGH CLASS WHITE ROCKS. Pullets and eggs for sale. Mrs. E. Hintz, Warrenton, Mo. 3-5

WHITE PLYMOUTH ROCK baby chicks, $10 100. Eggs, $5 100. Louie Galt, Appleton City, Mo. 3-5

HOCH & FREDERICK, Box O, Chambersburg, Pa. White Rocks. Stock for every purpose. Eggs for hatching. Season's winners nine shows. 3-8

WHITE PLYMOUTH ROCKS. Sixty acres devoted to the breed. Eggs, $2 per 30, $5 per 100. Catalogue free. Philip Condon, Box 7, West Chester, Ohio. 3-5

WHITE ROCKS—stock and eggs. Also all leading varieties of baby chicks. The Acme Poultry Farm, New Bremen, O. 2-4

HAVE BRED WHITE PLYMOUTH ROCKS exclusively 7 years from best leading strains. Eggs from large, thrifty, farm raised stock, $5.50 per 100. Satisfaction guaranteed. C. F. Loug, Waggoner, Ill. 3-5

FISHEL WHITE ROCKS. Eggs, $1.00 15, $2.50 50, $4.50 100. White Feather Farm, New Bremen, Ohio. 3-5

TRAP NESTED WHITE ROCKS. Bred for eggs. High record 255. Flock average 170.9. Eggs for hatching, $2 per setting. A. L. McClellan, Route 8, Mansfield, O. 2-4

MOORE'S WHITE ROCKS. First prize winners at Hagerstown, Cleveland, Columbus and Ohio State Fair. Free picture of "Napoleon," the best White Rock cockerel in the world. Eggs, $1.50, $3.00 and $5.00 per setting. Send today for mating list. Geo. S. Moore, Clintonville, O. 3-4

WHITE ROCKS, blue ribbon winners at several large shows, choice stock. Now booking orders. Eggs and chicks. Free catalogue. Whiteview Poultry Yards, Mishawaka, Ind. 3-5

WHITE ROCKS. Cockerels, $2.00; trios, $5.00; pens, $8.00; eggs, $2.00 per 15. W. C. Kassebaum, Plymouth, Wis. 3-4

RUBLE'S PRIZE WINNING White Rocks. Stock and eggs for sale. Beru Ruble, Powhatan Point, Ohio. 3-5

LYON'S LAYING STRAIN White Rocks. Lyon, 1826 Lafayette Ave., Terre Haute, Ind. 2-4

WHITE ROCKS—200-egg strain—15 eggs $1.00, 50 $3.00, 100 $5.00. Elliott & Rollings, Jacobs Creek, Pa. 2-4

HIGH CLASS WHITE ROCKS, Fishel strain direct. Wonderful layers. 15 eggs, $1.00; 50 eggs, $3.00; 100, $5.00; 200, $10.00. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 2-5

WHITE ROCKS, DIRECT FROM FISHEL. Range raised, trap-nested stock. Winners at leading Illinois shows. Eggs, $2.00, $3.00 and $5.00 per 15. Baby chicks, 20c to 40c each. Discount for quantity. Mating list free. R. A. Pritchett, White Hall, Illinois. 2-4

WHITE ROCKS EXCLUSIVELY (Fishel direct). Eggs, $2.00 and $1.00 per setting. John Lively, Wellston, Ohio. 2-4

WHITE PLYMOUTH ROCKS Early cockerels for sale, $3.00 up, from highest quality stock. Satisfaction guaranteed. Eggs, $2.00 and $3.50 a setting, after February 1. Theodore Poole, Syracuse, N. Y. 1-4

WHITE ROCK EGGS from winners. Send for circular now. C. F. Deichmann, Forestville, Conn. 2-4

HIGH CLASS WHITE ROCKS, Fishel direct 15 eggs, $1.00; 100 eggs, $5.00, 200 eggs, $9.00. George Lehmkuhl, Box 182, New Bremen, Ohio. 2-5

WHITE ROCKS. THE BIRDS with a foundation of winning and laying qualities. I have very choice cockerels and pullets, snow white birds, for sale. Satisfaction or money back. For eggs write me. Mrs. Louisa White, Washington, Ill. 2-4

WHITE ROCKS, CHOICE BREEDERS for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

WHITE PLYMOUTH ROCKS (Fishel strain direct) Choice cockerels and pullets for sale reasonable. Eggs, $3.00 per 15. H. J. Coleman, Box 221, Milan, Ohio. 3-4

BUFF PLYMOUTH ROCKS.

BUFF ROCKS—hatching eggs. Winners at Canton Show, 1914, $1.25 for 15. Mrs. Grover Cluts, Route No. 2, Canton, Ill. 4

ASTLE'S QUALITY BUFF ROCKS have color, shape and size. Bred for exhibition and utility. From "World's Best Buff Rocks," direct. Send for egg circular. Milan C. Astle, Box A, Momence, Ill. 4-5

BUFF ROCKS, excellent winter layers, eggs reasonable, circular free. W. J. Meglitsch, Harvel, Ill. 3-5

BUFF ROCKS! THE WORLD'S greatest strains. Won four firsts at St. Paul, Minnesota. Also sweepstake winners at Wisconsin State, Madison and Janesville. Eggs from five exhibition matings. Illustrated catalogue. Frank Kramer, Fort Atkinson, Wis. 2-5

WARD'S CHAMPION BUFF ROCKS, winners at largest shows. Eggs, $4.00 for 15. R. W. Ward, Normal, Ill. 3-5

BUFF ROCKS. GRAND lot of stock at half their value. Pens and trios bred to lay. Eggs, $2 per 15. C. D. Powell, Vermilion, O. 2-4

PARTRIDGE PLYMOUTH ROCKS.

PARTRIDGE ROCKS. Eggs from large, vigorous stock. $2.00 per 15; $3.00-30; $4.00-50; $7.00-100. Hez. Kinter, Dilisburg, Pa. 4-5

FIRST COCKEREL, FIRST HEN great Missouri State and Kansas City shows, 1913. Strong class. Partridge Rocks. Eggs from this grand mating reasonable. Fertility guaranteed. J. C. Duffendack, Independence, Mo. 4-6

PETER'S PARTRIDGE ROCKS. Stock for sale and eggs at $3 per 15 and $1.50 per 15. Fine birds. C. P. Christensen, Lake Crystal, Minn. 4-6

QUEEN CITY PARTRIDGE ROCKS, exhibition, utility stock, eggs, day-old chicks. L. E. Inman, Ridge Ave., Pleasant Ridge, Cincinnati, Ohio. 4-5

PARTRIDGE PLYMOUTH ROCK cockerels, $2.00. Eggs, $2.00 per 15. Satisfaction guaranteed, Fred Kypke, Lake Mills, Wis. 3-5

LOYD'S PRIZE WINNING Partridge Rocks, Boston, Chicago, Cleveland, Cincinnati, Indianapolis, Nashville, Columbus winners. Eggs from our prize winners at reasonable prices. Stock for sale. Circular free. Mention American. C. J. Loyd & Son, Greensburg, Ind. 3-5

CHICAGO, ST. LOUIS, HAMILTON, OHIO, Topeka, Sioux City and Minneapolis winners. Stock and eggs for sale. Milton Schmidt, Chaska, Minnesota. 3-5

PARTRIDGE ROCK STOCK AND EGGS. Detroit, Illinois and New York State Fair winners. Breeders May removal sale cheap. Cyrus Pattee & Son, South Bend, Ind. 3-5

"RIVERDALE" PARTRIDGE ROCKS. 200 good birds for sale. Eggs. Ask for mating list. R. H. Schuler, Roann, Ind. 3-4

PARTRIDGE ROCKS. Eggs and baby chicks of quality. W. R. Craun, Butler, Ind. 3-5

PARTRIDGE PLYMOUTH ROCK eggs. Fine cockerels and pullets. Eleven out of 12 firsts, 34 ribbons at three of largest shows in Northwest, display and cups. Dr. C. P. Peterson, Mankato, Minn. 3-5

PARTRIDGE ROCK EGGS for hatching from 1st prize winners at Freeport, Rockford and Elgin. Send for catalog. Paul Wurtzel, Box 21, Freeport, Ill. 3-5

PARTRIDGE ROCKS. Three entries won first and second pullets, second pen, best colored female at Ohio State Show. Eggs for sale. Write for prices. Dr. A. O. Soldner, Mechanicsburg, Ohio. 3-5

PARTRIDGE ROCKS. Farm raised. Circular. Glenn Jackson, Dana, Indiana. 2-4

MY PARTRIDGE ROCKS win in hot competition at five shows. Four grand pens. Eggs, $2.00 and $3.00 per 15. Stock for sale. Send for circular. C. A. Shortt, Alpena, Mich. 2-4

PARTRIDGE PLYMOUTH ROCKS. Noftzger strain. High scoring stock. Winners wherever shown. Eggs, $2 per 15; $3.50 per 30. Stock for sale. Write your wants. Edwin Sirois, St. Anne, Ill. 2-5

PARTRIDGE ROCKS, Hamilton, Cincinnati, Chicago, Madison Square Garden winners for sale. Write for list. Walter C. Renaker, Fernbank, Cincinnati, Ohio. 2-4

FOR SALE—PARTRIDGE Rock cockerels, Noftzger strain, three dollars each. D. C. Davis, Cimarron, Kan. 2-4

PARTRIDGE ROCKS. Splendid layers. Choice, prize winning cockerels. Eggs. Investigate. Dr. Underwood, Fond du Lac, Wis. 2-4

PARTRIDGE ROCKS. A few choice cockerels for sale, bred from show winners. Pens now mated for egg trade. D. & C. Poultry Farm, Port Huron, Mich. 2-4

PARTRIDGE PLYMOUTH ROCKS of the highest quality. Can furnish show birds and good breeders at reasonable prices. True Rock type and correct markings. Eggs in season, $3.00 per 15, $5.00 per 30. Will L. Clark, Sullivan, Ohio. 7-13-tf

COLUMBIAN PLYMOUTH ROCKS.

COLUMBIAN PLYMOUTH ROCKS. Very handsome mating list just off the press. It is free. Look it over before you buy eggs or stock. There is a reason. W. P. Hoeschler, LaCrosse, Wis. 4

HEY, LOOK HERE! Otter Creek Poultry Farm, Toledo, O., can furnish you high-class Columbian Rock eggs at reasonable prices. 4

COLUMBIAN PLYMOUTH ROCKS: Prolific winter layers, mature quickly, meet all market requirements. The ideal farmer's fowl. Eggs from Madison Square Garden and Buffalo winners. $4.00-15; $7.00-30. Lew H. Bown, East Aurora, N. Y. 4-6

COLUMBIAN PLYMOUTH ROCKS. The big kind that lay so many eggs. Illustrated mating folder. G. W. Garlock, Fort Atkinson, Wis. 4-6

SILVER PENCILED PLYMOUTH ROCKS.

SILVER PENCILED PLYMOUTH ROCKS. Closing out. Delbert E. Batman, Newton, Ill. 4

MY PRIZE WINNING Silver Penciled Plymouth Rocks have won at Madison Square, Central Palace, Hempstead and Riverhead and will win for you. Wm. M. Jones, East Hampton, N. Y. 3-5

PRIZE WINNING Silver Penciled Plymouth Rocks. Eggs, $2.00 and $3.00 per fifteen. James Fry, Shillington, Pa. 3-5

SILVER PENCILED PLYMOUTH ROCKS. Stock and eggs from Blue Ribbon winners only. Satisfaction guaranteed. Eugene Ditzler, Davis, Ill. 3-4

PLYMOUTH ROCKS—SEVERAL VARIETIES.

BARRED, WHITE, BUFF ROCKS, stock and eggs. August W. Schroeder, St. Peter, Ill. 4

EGGS FOR HATCHING from the Perfection strain of Golden Buff and Silver Penciled Plymouth Rocks, champions of America. Blue ribbon winners at America's greatest shows. Mating list free. Cecelia Jungels, Box A, Lemont, Ill. 3-5

WHITE AND BARRED ROCKS. Strong winners and layers. Exhibition matings for results. $4 per 15 eggs; utility, $1 per 15; $5 per 100. Edelweiss Poultry Farm, San Jose, Ill. 3-5

WHITE AND BARRED ROCK eggs for hatching. Market's Poultry Farm, Route 1, Frenchtown, New Jersey. 2-5

RHODE ISLAND REDS.

ROSE COMB RED eggs from Columbus, Ohio, and Muncie, Ind., winners, $1 and $2 per 15. Philip Fortman, New Western, Ohio. 4

EGGS FOR HATCHING—Rose Comb Reds, winter layers, $1.50 per 15. Bertha Mathewson, R. 4, Syracuse, N. Y. 4

ROSE COMB RHODE Island Red eggs for sale. First pen, 15 eggs, $5.00; 2nd pen, 15 eggs, $3.00, or 30 eggs, $5.00; 3rd pen, 15 eggs, $1.50, or 30 eggs, $2.50; incubator eggs, $6.00 per 100. My birds have won at Chicago, Cleveland, Cincinnati, Dayton, Ft. Wayne, Tiffin and Toledo. Robert Mauer, Perrysburg, Ohio. 3-4

R. C. RHODE ISLAND REDS. At Boston, 1914, won 1st prize pullet. At Franklin, December, 1913, won 1st prize cockerel and Rhode Island Red Club shape special. Grand winter layers. Pen of 22 averaged 107 eggs each from January 1 to July 1. Send for catalogue. J. S. Diamond, Franklin, N. H. 4

R. I. REDS, BOTH COMBS. Don't buy eggs until you get my low price on eggs from my prize winning birds. Write for mating list. Good breeders for sale at bargain prices. Chas. L. Smith, L. B. 250, Byesville, Ohio. 4-5

ROSE COMB RED eggs from fine utility stock, $2.00 to $3.00 per 15; per 100, $8.00. Sam Studer, Fisher, Ill. 4-6

C. G. MILLER, South Paris, Maine. S. C. Reds bred to lay. No white diarrhoea. Eggs, $1.00 for fifteen; $3.00 for fifty; $5.00 for one hundred. 4-6

S. C. REDS EXCLUSIVELY. Dark brilliant red color. Fine breeding cockerels, $2.00 each. Utility eggs, $1.50 per 15; $5.00 per 100. Mating list free. G. A. Haper, Batchtown, Ill. 4-6

ROSE AND SINGLE COMB stock and eggs reasonable; Buschmann's strain. August W. Schroeder, St. Peter, Ill. 4

S. C. R. RED eggs for hatching. Range eggs, $5.00 per 100. Mrs. C. F. Spurling, Box 49, Lovington, Ill. 3-5

"PENN VIEW" REDS. Rose Comb. Eggs and baby chicks from heavy winter layers. Anderson's "Penn View" Farm, Pattenburg, N. J. 3-4

ROSE COMB RHODE Island Reds, Buschmann strain. Single Comb Black Minorcas. Eggs, $1.25 per 15. W. Perry Crafts, Barker, N. Y. 3-5

SINGLE COMB REDS—Hatching eggs from selected stock. Eight grand pens. Excellent layers. $1.00 per 15, $5.00 per 100. Satisfaction guaranteed. R. C. Cooper, Downers Grove, Ill. 3-5

BOTH COMB REDS, winners at big shows, stock and eggs for sale, catalogue free. Mrs. F. C. Krueger, Rockford Road, Charles City, Iowa. 3-5

SINGLE COMB REDS. Eggs. Choice matings, $1.50 to $2.00 for 15; range, $4 per 100. Eight years exclusively. Mrs. Lela Mahon, St. Peter, Ill. 3-5

SINGLE COMB REDS, Macoupin Chief 1st and 2nd and two other classy red boys head four pens of hens and pullets that won twenty ribbons in 1913. Eggs, $2.00 to $5.00 per fifteen. Mating list free. Prof. J. D. Conley, Carlinville, Ill. 3-5

R. I. REDS, BOTH COMBS. Choice breeders for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

WHITTAKER'S ROSE COMB REDS. Winners in United States and Canada. Eggs and day-old chicks. Illustrated booklet free. Interlakes Farm, Box 22, Lawrence, Michigan. 3-5

EGGS FROM CLEAR marked, pure colored Rose Comb Reds. Elmer Baum, Cooksville, Ill. 3-5

RHODE ISLAND REDS. Rose, Single. Breeder of record laying and prize winning strain. Over twenty-five years' experience. Eggs, $2.00 15, $5.00 50, $10.00 108. Elm Poultry Farm, W. S. Harris, Mansfield, Mass. 3-5

ROSE COMB RED, Bean strain, eggs, $2.00 per 15. Emerson Poultry Yards, Emerson, Neb. 3-5

S. C. REDS EXCLUSIVELY. Good type and color. Large, vigorous, range-raised birds. Eggs from choice pens, $3.00 per 15; $5.00 per 30. L. J. Stahl, Washington, Ill. 3-5

S. C. REDS ONLY; utility strain; red to skin; bred to lay; extra weight breeders used; mating lists now ready; get eggs for early hatching. J. M. Chamberlin, McCutchenville, Ohio. 3-5

RHODE ISLAND REDS, both combs. Stock, eggs, baby chicks; catalogue. Harvey Vanderslice, Boyertown, Pa. 3-5

ROSE COMB REDS, large, vigorous, great laying, fine red stock. Winners at Rockford show. Eggs, $1.50 15, $2.50 30. H. T. Heffron, Rockford, Ill. 3-5

S. C. REDS—40 cockerels for sale, farm raised, from prize winning stock, $3 and up. I will also book orders for hatching eggs now. Write for price list. Fred Maxstadt, R. D. 3, Aurora, Ill. 3-5

"HOYER'S" SINGLE COMB REDS, bred to lay and win. Eggs, $2.00 per setting. Lawrence Hoyer, Trappe, Pa. 3-5

"RIVERSIDE STRAIN" Rose and Single Comb Reds, 12 cups, 300 ribbons at New York, Boston, Philadelphia, Allentown, etc. Choice eggs and chicks. Booklet. Edward S. Lambrite, Box 110, Erwinna, Pa. 3-6

HEAVY LAYING STRAIN R. C. Reds. Eggs, $2.00 per 15. Reference: Arcola State Bank, Fairview Poultry Yards, Arcola, Ind. 3-5

SINGLE COMB RHODE Island Reds, Owen Farm strain, exhibition and utility stock. Eggs for hatching, day-old chicks. I have a fine flock of Reds. C. H. Beebe, Saddle River, New Jersey. 3-5

BIG BONED, DEEP RED R. C. Reds, all scored, red eyes, long back, low tail. Eggs, 25 cents. Highland Farm, Hedrick, Iowa. 3-5

WIB'S REDS, 214-egg strain, high scoring, deep red. Eggs, $1, $2, $3; chicks, 25c. Main Line Poultry Yards, Wib. F. Clements, Agency, Iowa. 3-5

ROSE COMB REDS. Eggs for hatching, 20 cents each. Best laying strain. Better order early by making small deposit. Orders coming fast. H. C. Thayer, 2503 Miami St., Toledo, Ohio. 3-5

ROSE COMB R. I. REDS, eggs from heavy winter layers, $3.00 per 15. H. J. Kiess, Route 12, Fort Wayne, Ind. 3-5

SINGLE COMB REDS. First prize winners Ohio State Poultry Show, Columbus, Ohio, 1913-1914. I have size, type and dark, rich, even color. Eggs, $1.50, $2, $3. R. I. Armstrong, 376 14th Ave., Columbus, Ohio. 3-5

REDS (BOTH COMBS), Crowther, Bean and Buschmann strains. Eggs, $1.50 and $2.50 per fifteen, either comb. Choice mating, Single Comb, $3.50 per fifteen. Eight years' experience line breeding. All birds trap-nested, heavy layers. Vigorous stock with correct type and color. Charles G. Osborne, Bowling Green, Ky. 3-5

ROSE COMB RHODE ISLAND REDS. Vigorous, trapnested, range raised, red to skin. Catalogue, matings, winnings, free. George Haynes, Hyde Park, Toledo, Ohio. 2-4

SINGLE COMB REDS exclusively. Dark red, big boned, vigorous stock, rich under-color. Eggs for hatching, $1.25 per 15 eggs. C. C. Morse, St. Charles, Ill. 3-5

ROSE COMB RED EGGS and baby chicks (Buschmann strain). Prize pen at Indianapolis, 1914. Other winners. Fertility guaranteed. Write for mating list. James F. Brady, Chenoa, Ill. 3-5

S. C. R. I. REDS, Lester Tompkins strain, from winner Denver show. Eggs, $2 per 13. F. Mead, Walsenburg, Colorado. 3-4

R. I. REDS, Rose or Single Comb; hatching eggs from prize winners; extra nice male birds for sale. F. I. Snedeker, 170 N. 19th St., Orange, N. J. 3-5

ROSE COMB REDS. Silver cup at Columbus for best cockerel and pullet. Eggs from pen headed by this cockerel and every female a Columbus winner, five dollars per fifteen. White Bros. Poultry Farm, Box O, Sunbury, Ohio. 3-4

SINGLE COMB RHODE ISLAND Reds. Eggs for hatching, $1 per 15; $3 per 50; $5 per 100. Guarantee 80% hatch, packed for safe delivery. Henry Kelting, Martinton, Ill. 2-4

SINGLE AND ROSE COMB. Wonderful Winter Layers. Bred to lay. $2 per 15, $8 per 100. E. S. Bailey, 34 Cliff St., St. Johnsbury, Vt. 2-4

ROSE COMB RED eggs for hatching, $5 and $3 per 15, Buschmann strain. Blue Ribbon Winners. Thomas J. Britton, Kentland, Ind. 2-4

ROSE COMB RHODE ISLAND REDS. Winners at New York, Boston, Philadelphia, Allentown and wherever shown. Eggs for hatching. Send for mating list. Louis Anderson, Bloomsbury, N. J. 2-4

EGGS FOR SALE. Rose Comb Reds. Bred for size and egg production, $5.00 per hundred. Rufus Mutchler, Chenoa, Ill. 2-5

S. C. REDS that are right. Eggs, $1.50 per fifteen. Earl D. Willson, Wauseon, O. 2-4

TOMPKINS STRAIN RHODE ISLAND REDS—Both Combs—Winners at Philadelphia, Baltimore and Camden. Stock for sale. Eggs, $1.00 per fifteen, $5.00 per hundred. Special prize mating in each comb, $3.00 per fifteen. Write for mating list. J. M. Drumm, Mercersburg, Pa. 2-4

REDS (BOTH COMBS), Bean and Tompkins' strains. Stock and eggs. Mating list free. High quality, low price. T. Turner, Eleroy, Illinois. 2-4

REDS. BOTH COMBS. Stock and eggs. W. R. Forderhase, Berger, Mo. 2-4

EGGS, $2.00 PER 15 and up. Pen laying S. C. Reds. Diamond Poultry Farm, 2736 Springfield Ave., Chicago, Ill. 2-4

SPRAGUE'S. THE OLDEST RED breeder in Illinois. Stock best money and experience can produce. Eggs, one-third what others charge for same quality. Circulars free. P. A. Sprague, Maywood, Ill. 2-4

ROSE COMB REDS. Great layers and prize winners (Buschmann strain). Eggs, $1, $2 and $3 per 15. Baby chicks, 20c, 30c each. Order early. Write for particulars. Roscoe Buskirk, Hopkins, Mich. 2-4

FINE BEAN STRAIN Rose Comb Reds. Cockerels and eggs from heavy laying fancy stock. Harry Rundell, Medina, Ohio. 2-4

S. C. R. I. REDS. Pure Lester Tompkins strain, that are red and will breed Reds. Best matings, $2.00 per 15; $3.75 per 30. Prepaid parcel post. Guarantee good hatch. H. C. Ward, R. F. D. 3, Carmi, Ill. 2-4

FOR QUICK SALE—Single Comb Rhode Island Reds of quality and prices that are inviting. Correspondence a pleasure; all stock sold on approval. J. W. Brinser, Box 1, South Richmond, Va. 1-4

S. C. REDS, TOMPKINS strain. None better. Circular free. Satisfaction guaranteed. Reference: Prescott National Bank, Prescott, Ariz. Bonham's Red Ranch, Cherry, Ariz. 2-4

SINGLE AND ROSE COMB REDS—Eggs, $1.50 per 15. One choice pen Rose Combs, blue ribbon winners, $4.00 per 15 straight. Chivers, Willett St., Schenectady, N. Y. 2-4

RHODE ISLAND WHITES.

KNOX RHODE ISLAND WHITES, the strain with unexcelled winnings. Get our catalogue before buying. Eggs, $1.50 to $5.00 per 15; $8.00 to $10.00 per 100. Knox Poultry Farm, Pulaski, Pa. 3-5

THE GREATEST RHODE ISLAND WHITE farm in the world. Rose and Single Comb. Stock, eggs and baby chicks. Write for catalogue. Henry Eichelmann, R. No. 4, Waterloo, Ill. 2-4

RHODE ISLAND WHITE cockerels from best strains in this country, $3 to $5 each; trios, $10 to $15. Eggs, $2 per 15, $8 per 100. Prize winning matings. Col. Warren Russell, Odessa Farm, Winfield, Kan. 3-4

EVERITT'S RHODE ISLAND WHITES make another clean sweep at Indianapolis show. Bred to lay and win. Stock and eggs for sale, $1 to $3. Catalogue free. W. Everitt, Route 29, Indianapolis, Ind. 3-5

HEADQUARTERS FOR ROSE COMB Rhode Island Whites. I am the oldest breeder of this breed. Eggs and stock for sale from this wonderful laying strain. Catalogue free. C. A. Foster, Colonial Poultry Yards, Akron, Ohio. 1-6

RHODE ISLAND WHITES of the best blood lines of America. Large, well mated birds. First prize Sheridan, Indianapolis, Pittsburgh. Stock and eggs. Free mating list. Mrs. E. W. Garver, Kempton, Indiana. 3-5

SINGLE COMB RHODE ISLAND WHITES, first prizes New York and other shows, tested eggs, $5 per setting. Correspondence solicited. Edmund E. Field, Hasbrouck Heights, New Jersey. 2-4

RED CAPS.

RED CAPS, 15 eggs, $2.00, from first prize winners three shows. Finest I ever saw. S. H. Jones, Church Creek, Md. 4

ENGLISH RED CAPS, imported and domestic; twelfth year. Eggs from my best pens, $3 per 15. Circular free. R. P. Weidenfeller, Mineral Point, Wis. 4-6

IMPORTED ENGLISH RED CAPS. Eggs for sale at $4, $5 and $6 per setting. These pens are the best in America today. Imported in 1911 and 1912. Winners everywhere. Lee O. Wolfe, Breeder and Importer, Titonka, Iowa. 3-5

SPANISH.

WHITE FACE BLACK Spanish eggs, 15 for $1.50, 30 for $2.50, 100 for $5.00. Good stock for sale. Louella E. Jaqua, Portland, Indiana. 3-5

MY BLACK SPANISH won all first prizes at Madison Square Garden, New York, 1910, 1911, 1912, 1913-14. Also all first prizes recent Chicago and Boston shows, and hundreds of other first and second prizes throughout the world during past 30 years. Some wonderful trios for sale at $30.00. Single birds, $15.00 each. These fowls will win in any company and will produce very fine specimens. Eggs, $5.00 per thirteen. Each additional thirteen, $4.00. The demand for high class Black Spanish exceeds the supply. There is money to be made in taking up this breed. R. A. Rowan, 200 Title Insurance Building, Los Angeles, Cal. 2-4

RED SUSSEX.

CHAMPION STRAIN Red Sussex. Greatest utility breed. Silver cups given to every customer who wins first cockerel and pullet at shows with 600 entries. See large ad. Red Sussex Farm, Marysville, Michigan. 3-5

WHITE WYANDOTTES.

EGGS BY PARCEL POST delivered at your door from my prize winning White Wyandottes; great layers; $1.50 15. Lawn Poultry Yards, Poneto, Ind. 4

WHITE WYANDOTTES. Fifteen eggs $1.00, from choice birds. J. L. Rye, Nassau, N. Y. 4-6

WHITE WYANDOTTES, hatching eggs, Chicago and Washington Heights winners, $2, $3 and $5 per setting. Martin, 3859 Park Ave., Chicago, Ill. 4

START RIGHT BY BUYING White Wyandotte eggs and day-old chicks from the trapnested, standard bred stock, bred by Miss Marion I. Moore, Hamburg, N. Y. 4-6

EGGS FROM MY ILLINOIS State Show and State Fair Blue Ribbon winners at $3.00 per setting, to introduce my stock. Carl M. Bailey, R. R. No. 7, Decatur, Ill. 4

WHITE WYANDOTTE eggs, $2.00 per 15. Cockerels reasonable. W. V. Hagensick, La Crosse, Wis. 4

WORLD'S FOREMOST WHITE WYANDOTTES. Extra fine. Winners Indianapolis, St. Louis, Muncie, Marion; 15 eggs, $3.00; 30, $5.00. Winners in pens. Utility, 15, $1.00; 50, $3.00; 100, $5.00. Herbert Smith, Route 8, Bluffton, Ind. 4-5

WHITE WYANDOTTES—Eggs and chicks. Large birds. A-1 laying strain. Prices reasonable. M. Smith, 6335 West Cuyler Ave., Dunning, Ill. 4-6

WHITE WYANDOTTES. Big prize winners. Eggs, ½ price. Mart Rahn, R. 20, Clarinda, Iowa. 4

SMITH'S (FISHEL STRAIN) White Wyandotte 200-egg Detroit prize hens, 15 eggs, $2.50. Large hatches guaranteed. Mating list free. Watch June sale of breeders. A. J. Smith, 528 Crawford, Detroit, Mich. 4-5

WHITE WYANDOTTES, Fishel strain. Eggs, $1.00 per 15, $3.00 per 50, $5.00 per 100. Satisfaction guaranteed. Write for circular. D. G. Gordon, Madison, Ind. 3-5

WHITE WYANDOTTE and Black Orpington eggs, day-old chicks. J. W. Beck, Queen City, Mo. 3-4

WHITE WYANDOTTE eggs for hatching from good winter laying stock, raised on free range; $1.00 for 15. O. J. Hamble, R. D. 2, Hinsdale, Ill. 3-5

WHITE WYANDOTTE EGGS of high quality (Fishel strain), $2.00 per 15. Victor Williamson, Gladstone, Mich. 3-5

WHITE WYANDOTTES—Trap-nested and prize winners, 1st pen at Illinois state fair, and Quincy, Ill. Champion bird at Granite City. Eggs and day-old chicks. Write for circular. J. A. Schroeder, Mt. Olive, Ill. 3-5

WHITE 'DOTTES—FELL STRAIN. "On honor since 1901." Mating list. Ownlands Farm, South Hammond, New York. 3-5

WHITE WYANDOTTES. Write for mating list. C. M. Robinson, Van Wert, O. 3-5

FANCY WHITE WYANDOTTES. 15 eggs, $1.50; 30, $2.50. H. Rockefeller, Bunker Hill, Ill. 3-5

WHITE WYANDOTTE EGGS, farm range, heavy egg laying stock, $1.00, $1.50 and $2.00 per 15. Alvin H. Wixom, La Salle, Ill. 3-5

HACKER'S WHITE WYANDOTTES. They are white and bred to lay. Eggs for hatching, per 15, $2, $3, $5. First pen composed of hens and pullets scoring 94 to 95, cock 94½ by Judge Shellaberger. W. P. Hacker, Milledgeville, Ill. 2-4

JOHN A. BRUHN, Homer, Ill., breeder of Ideal White Wyandottes, greatest laying strain. Eggs, $1 per 15, $5 per 100. 3-5

HIGH CLASS WHITE Wyandottes. Eggs, $1.50 and $3.00 per 15. Geo. Reiling, Burnt Prairie, Ill. 3-4

WHITE WYANDOTTE EGGS from Ideal Pen composed of $25.00 Male and $10.00 Females, $5.00 per 15. Best utility matings, $1.50. Titonka Poultry Ranch, Titonka, Iowa. 3-5

EGGS, 1ST PEN headed by Dustin cockerel, $2.00 per 15; 2nd pen, $1.50; farm range, $1.00, $6.00 per hundred. C. E. Van Buren, Victoria, Ill. 3-5

WHITE WYANDOTTE EGGS, from matings that score 92¼ to 95 at $3 per 15. From selected, free range fowls, $1.50 per 15. Mrs. Frank H. Miller, Route 45, Earlville, Illinois. 3-5

HIGH CLASS WHITE Wyandotte cockerels for sale. Eggs, $1.50 per 15; $6.00 per 100. Wm. Remmert, St. Peter, Ill. 3-4

GRANDVIEW STOCK FARM White Wyandottes. Headed by pen that won $20 cup for best pen in class of 14 pens, $100 sweepstakes cup over 60 pens at Bremen show. Four matings. Write for mating list. H. M. Scholl, Bremen, O. 3-5

WHITE WYANDOTTES. Choice breeders for sale. Eggs, $2.00 15; $5.00, 45; $9.00, 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

WHITE WYANDOTTE eggs reasonable. Parcel post or express. Incubator eggs a specialty. Russell Simpson, Palmer, Ill. 3-5

WHITE WYANDOTTES. Duston strain, winnings on request. Eggs, $2 per fifteen. Stock for sale. Leslie De Haven, Bangor, Michigan. 2-4

WHITE WYANDOTTES. HIGH CLASS, pure white. Bred for laying stock, at right prices. Eggs, 15, $1; 100, $5. W. E. Patterson, Montrose, Illinois. 2-4

WHITE WYANDOTTES—First prize Madison, Wisconsin, show this year. Book egg orders early. E. E. Thwing, Augusta, Wis. 2-4

WHITE WYANDOTTES, thirteenth year Duston direct, standard shape, bay eyes, bred to lay and win. Won wherever shown, scoring to 96. Eggs, $2 15, $3 30, $4.50 50. Frank Hardwidge, Poneto, Ind. 2-4

HIGHEST QUALITY, TRAPNESTED White Wyandottes. Stock, baby chicks and eggs. Foster Poultry Farm, Dexter, N. Y. 2-4

KIEVIT'S WHITE WYANDOTTES of quality. State Meet winners. At Paterson, 1913, all firsts and seconds, 4 cups, all specials, best hen and pen in show. Passaic, all firsts, 3 seconds, 3 cups all specials. Best cock, hen, cockerel, pullet and pen in show; 8 medals. 100 cockerels cheap. Circular free. C. A. Kievit, 43 York Ave., Paterson, New Jersey. Farms: Goffle Road. 2-4

FISHEL STRAIN White Wyandotte eggs, $2.50 per 15. D. S. Kavanaugh, P. O. No. 25, Tipton, Mo. 2-4

BUFF WYANDOTTES.

BUFF WYANDOTTES. Golden Beauty strain. Excellent laying strain. Eggs, $1.50 per 15. S. O. Pickens, Buffalo, W. Va. 4-5

BUFF WYANDOTTES—Eggs from winners. Pullets for sale. Hugh Zentz, Goshen, Indiana. 4-6

QUALITY BUFF WYANDOTTES, New York, Missouri and Ohio state winners. Stock, eggs and baby chicks. Guaranteed to please or your money back. Mating list free. Monarch Poultry Yards, Dayton, Ohio. 3-5

BUFF WYANDOTTES OF QUALITY. Eggs from Columbus, Dayton and Lima winners. Send for mating list. William E. Woolley, Route 5, Sidney, Ohio. 3-5

WANTED—BUFF WYANDOTTE breeders to send their addresses to American Buff Wyandotte Club, Amityville, N. Y. 3-11

BUFF WYANDOTTES—Indianapolis, St. Louis and Missouri State Fair winners. Mating list free. Ben H. Netzly, Martinsville, Ill. 2-4

BUFF WYANDOTTES exclusively. Stock and eggs. J. B. Poore, Washington, New Jersey. 2-4

BUFF WYANDOTTE COCKERELS. Eggs from Indianapolis winners. Mrs. S. H. Brooks, Salem, Ind. 2-4

BUFF WYANDOTTES, "LAYWINGOLDS," are removed from Kent, Ohio, to New London, Ohio. Stock and eggs. Rev. Henry Janes. 2-5

BLACK WYANDOTTES.

BLACK WYANDOTTES. Eggs for hatching at $2.00 per 15. Write your wants. L. E. Brown, Princeton, W. Va. 3-5

BLACK WYANDOTTES. America's best. Howard Grant, Marshall, Mich. 1-5

COLUMBIAN WYANDOTTES.

COLUMBIAN WYANDOTTE EGGS, $2.00 per fifteen, from high class stock, blue ribbon winners at Detroit, January, 1914; also winners Michigan State Fair, 1913. Good type and strong markings; large, vigorous birds, raised on free range; heavy winter laying strain; fertility guaranteed. Arthur Schaack, 605 Rohns Ave., Detroit, Michigan. 4

COLUMBIAN WYANDOTTES EXCLUSIVELY. Eggs for hatching from carefully selected stock, 15 eggs, $1.00; 100, $5.00. Satisfaction guaranteed. Terrence H. Clark, Dana, Ind. 4-6

COLUMBIAN WYANDOTTE EGGS for sale. $1.50 to $3.00 per 15. Fertility guaranteed. S. M. Watkins, Walnut, Ill. 3-5

COLUMBIAN WYANDOTTES. Eggs, $1.50 per 15. Satisfaction guaranteed. Stock for sale. Rev. Chas. W. Seelhoff, Owosso, Mich. 3-5

COLUMBIAN WYANDOTTES. Stock and eggs for sale. Prices reasonable. Won five firsts and other prizes at Chicago show. Price list free. Arthur Merrell, Solon Mills, Ill. 3-4

HARDY PRIZE WINNING Columbian Wyandottes raised on free range. Stock for sale. Eggs, $1.00 per fifteen, $5.00 per hundred. Special prize mating, $2.00 per fifteen. Geo. M. Drumm, Mountville, Pa. 2-4

10 CENTS EACH COLUMBIAN Wyandotte eggs (Fenton strain), Buff Rock eggs, Fawn Indian Runner duck white eggs. All bred for big egg production. Colby Poultry Farm, Hopkins, Mich. 2-4

COLUMBIAN WYANDOTTES, winter layers. Eggs guaranteed. Inquire. R. C. Berkey, Salem, Ind. 2-4

PARTRIDGE WYANDOTTES.

ROBERTS' BEAUTY STRAIN Partridge Wyandottes. Am booking orders for eggs. Pen 1, $8.00 for 15. Pens 2 and 3, $5.00 per 15. Pen 4, $3.00 per 15. G. A. Roberts, Warren, Ind. 4-6

PARTRIDGE WYANDOTTE EGGS from prize winners, ten cents each, chicks fifteen. Cockerels, $2.00 to $4.00. James L. Coulter, New Wilmington, Pa. 4-6

PARTRIDGE WYANDOTTES, either sex, $2.00 up. Eggs, $2.00 per 15. Write for 100 egg prices. Fred Pilkington, Portland, Mich. 3-5

PREMIER PARTRIDGE WYANDOTTES. Son of first Madison Square Garden cock heads pen. Grand females won loving cups and National Club honors. Eggs, 15, $3.00; 25 for $4.50. Lou Carter, Hampton, Iowa. 3-5

ELLIOTT'S PARTRIDGE WYANDOTTES won at National Club meeting, Rochester, N. Y., 1913. One first, four seconds, one third, one fifth. Clean sweep Port Huron, 1914. Stock and eggs. Frank Elliott, Port Huron, Mich. 3-5

PARTRIDGE WYANDOTTES. Eggs from choice pens, $1.50 per 15. Stock for sale. Fred M. Haas, Machias, N. Y. 3-5

PARTRIDGE WYANDOTTE EGGS for hatching, $2.00 per 15; $3.75 per 30. Bred from World's Fair winners. Herman Timm, Chebanse, Ill. 3-5

TEN VERY CHOICE Partridge Wyandotte cocks for sale, fifteen to twenty-five each. Doolittle strain. J. M. Goodman, Atkinson, Ill. 3-5

PRIZE WINNING ROSE COMB Partridge Wyandottes, extra good layers; 15 eggs, $1.50; 3 settings, $4.00. Single Comb Brown Leghorns, extra good layers, 15 eggs, $1.00; 3 settings, $2.50. Poultry Farm, Mrs. F. H. Sickendieck, Cushing, Okla. 3-5

PARTRIDGE WYANDOTTES. Young stock, also yearling hens for sale. Eggs in season. E. W. Hink, Gordonville, Mo. 3-4

PREMIER STRAIN PARTRIDGE Wyandotte cockerels from prize winners, $3 each. Eggs in season. Walter Skyberg, Luverne, Minn. 2-4

KELL'S PERFECTION PARTRIDGE Wyandottes. Winners of the Blue Ribbon at Chicago, St. Louis, Springfield, Quincy and Aurora. Stock and eggs for sale. Mating list now ready. J. W. Kell, Box A, Sandwich, Ill. 2-4

GOLDEN WYANDOTTES.

GOLDEN WYANDOTTE EGGS for sale, $1.50 per 15. Mrs. George Matthews, Pekin, Indiana. 4

FLETCHER'S GOLDEN WYANDOTTES. America's Best Strain of America's Best Beauty and Utility Breed. The great Winter layers. Blue-ribbon winners at Madison Square Garden, Grand Central Palace, Boston, Baltimore, Pittsburgh, Buffalo, Atlanta, Washington, Richmond, etc. Clean sweep at last Garden Show. Eggs for hatching, $5 for fifteen; from selected matings, $10. Limited. Albert Fletcher, Jr., Drawer 1, Warrenton, Virginia. 4-6

GOLDEN WYANDOTTES—Blue blooded egg producers. Eggs, $1.50 per 15. Dr. D. Oscar Mead, Pinckneyville, Ill. 4-6

GOLDEN WYANDOTTE BREEDER 14 years. Eggs, $2.00 per 30, from best pen. Gerhard Hellman, 1512 Second St., Fort Madison (formerly West Point), Iowa. 3-5

GOLDEN WYANDOTTES, the great layers. Our birds win wherever shown. Write for mating list. Stock and eggs. Our motto, "Quality first always." Lake Brothers, 3721 Fifth Ave., Sioux City, Iowa. 3-5

GOLDEN WYANDOTTES, FARM RAISED, Blue Ribbon winners. Fine shape, grand color. Cockerels and pullets for sale. Eggs in season. Fred C. Liles, Collins, O. 2-4

GOLDEN WYANDOTTES, highest quality. Prices reasonable. Stock and eggs. Circular free. W. M. Spalding, Cox's Creek, Ky. 2-4

BLUE WYANDOTTES.

FLETCHER'S BLUE WYANDOTTES. The new fashionable breed. Heavy layers of large eggs. Beautiful solid blue color, typical Wyandotte shape, neat rose combs, rich yellow legs. Winners at Boston, Madison Square Garden, Grand Central Palace, Baltimore, etc. Eggs for hatching, $10 for fifteen. Limited. Albert Fletcher, Jr., Drawer 1, Warrenton, Virginia. 4-6

SILVER LACED WYANDOTTES.

SILVER LACED WYANDOTTES. Choice breeders for sale. Eggs, $2.00, 15; $5.00, 45; $9.00, 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

SILVER WYANDOTTES won five firsts, two seconds, one third in two strong shows. Write for mating list and secure photo of pen you order from. Stock reasonable. Triangle Poultry Yards, J. H. Gettings, Hillsdale, Mich. 3-5

SILVER LACED WYANDOTTES. Silver cup winners. Won over 300 firsts and specials; choice eggs from winners. Helfrich Brothers, Hammond, Ill. 3-4

SILVER WYANDOTTES EXCLUSIVELY - World's famous Tarbox and Steinmesch strains. Eggs, $1.50 per 15; $8.00 per 100. James Leggett, Hornsby, Ill. 3-4

SILVER WYANDOTTE eggs from Chicago and Cincinnati winners. Mating list free. S. W. Van Winkle & Son, Richwood, Ohio. 3-5

SILVER LACED WYANDOTTES. After nine years of very careful breeding my birds are great beauties. Eggs, $1.50 for 15, or $7.00 for 100. Mrs. M. W. Cronley, Mt. Victory, Ohio. 2-4

SILVER PENCILED WYANDOTTES. Perfection strain. "Live and let live" prices. Eggs ready. Myron Tyler, DeWittville, N. Y. 3-5

SILVER WYANDOTTES EXCLUSIVELY. Eggs from choice matings, $2.00 per 15. Mrs. Julia Martin, Marshfield, Mo. 3-5

SILVER LACED WYANDOTTES exclusively. Twentieth year. Clear, black and white open lacing. Eggs from prize matings, $1.50 per 15; $2.50 per 30. Satisfaction guaranteed. A. D. Long, Blooming Glen, Pa. 3-5

TIFFANY'S SUPERIOR SILVER Laced Wyandottes. Eggs and chicks. Pens headed by Madison Square, Buffalo and Philadelphia winners. F. A. Tiffany, Route No. 3, Phoenixville, Pa. 3-5

SILVER WYANDOTTE EGGS. "Tarbox" strain. Bloomington winners. Roy McCracken, Paxton, Ill. 2-4

SILVER WYANDOTTE EGGS from birds that won nine of eleven firsts last two Chicago shows, Madison Square and Boston winners. Five and three dollars for fifteen. C. Hoffman, Allegan, Mich. 2-4

WYANDOTTES—SEVERAL VARIETIES.

HIGH SCORING WYANDOTTES. White, Buff, Silver and Columbian. C. W. Osborne, Route 2, Youngstown, Ohio. 4

SILVER, WHITE AND BUFF Wyandottes. Stock and eggs reasonable. August W. Schroeder, St. Peter, Ill. 4

QUALITY WHITE AND SILVER Laced Wyandottes. Eggs from my best pens, $1.50 per 15; 30, $2.50. Hans and Nolan Olson, Weyauwega, Wis. 4

WHITE WYANDOTTES. Black Orpington cockerels. Eggs and day-old chicks. J. W. Beck, Queen City, Mo. 3-4

WHITE EGG AMERICAN.

WHITE EGG AMERICAN. New coming breed, wonderful layers, 15 eggs, $10.00. Send stamp for reply. Henry Schowe, New Bremen, Ohio. 4

SEVERAL BREEDS.

GAGE'S BUFF LEGHORNS—White Wyandottes win at America's greatest shows, Hagerstown, Allentown, Rochester, Williamsport. Eggs, $2.00, $3.00. Mating list free. Stock. Edward Gage, Williamsport, Pa. 3-5

BARGAINS IN STOCK or hatching eggs, White Rocks, Orpingtons, Sumatras. Detroit, Chicago, Indianapolis winners. Write. James A. Daley, Mohawk, Mich. 3-5

TRAP-NESTED BUFF Orpingtons and White Wyandottes. "Facts on Practical Trap-nesting," folder, for postage. Posts you on quality in utility. The Brayman Farm, R. R. 1, Westville, N. H. 3-5

WHITE WYANDOTTES, S. C. Buff Orpingtons, guaranteed. Pure bred eggs, $1.00 per 15; $4.00 per 100. John Wolf, Wheeler, Ill. 3-5

BARRED ROCKS, S. C. R. REDS, White Orpingtons, Dark, White Cornish; 15 years for fancy and utility. Winter eggs. Small flocks, vigor and quality. Best blood obtainable. Setting, $3.00. E. H. Perkins, McArthur, Ohio. 3-5

LEADING STRAINS Single and Rose Comb Reds, Barred Rocks, White Leghorns and Orpingtons. Free catalogue. Low prices. E. B. Souder, Souderton, Pa. 3-5

ROSE COMB WHITE ORPINGTONS, Americans, Rose Comb White Plymouth Rocks, S. C. White Leghorns and Rose Comb White Langshans. E. O. Heaton, Scircleville, Ind. 3-5

BUTTERCUP, ANDALUSIAN, Hamburg eggs, $1.50 per 15; few Buttercup cockerels. A. M. Moyer, Blooming Glen, Pa. 3-5

R. C. RHODE ISLAND Reds, Barred Rocks, White Wyandottes. Eggs for hatching from best laying strains, $1.50 per 15. Satisfaction guaranteed. A. B. Clark, 92 Sleight St., Naperville, Ill. 3-5

BUFF AND WHITE ORPINGTONS, Black Minorcas, White Leghorns. Eggs at prices to interest. William Jacobs, Union City, Ind. 2-4

COLUMBIAN WYANDOTTES (Arnold strain), Partridge Cochins. Eggs. W. J. Casey, Knoxville, Iowa. 2-4

EGGS, 15, $1.00; 40, $2.00. Thoroughbred Brahmas, Rocks, Wyandottes, Reds, Minorcas, Leghorns, Hamburgs. Nineteen varieties. Houdans, White Orpingtons, 13, $1.50; 30, $3.00. Catalogue. Thirty-first year. S. K. Mohr, Coopersburg, Pa. 2-5

BUFF LEGHORNS and Silver Spangled Hamburgs. Stock and eggs for sale. R. F. McAllister, Duquoin, Ill. 2-4

WHITE WYANDOTTES AND SINGLE COMB White Leghorns. My yards contain winners and great layers. Eggs, $1.00 for 15, $5.00 for 100; baby chicks, 10 cents. Indian Runner duck eggs, $1.00 for 13. Orlo Sheehan, Ludlow, Ill. 4-6

RED, WHITE AND BLUE Rhode Island Reds, White Orpingtons, Blue Orpingtons; all single comb. Also nice line of Blue Andalusians, Rose Comb. Eggs and baby chicks, prices right; please get our circular. John Kearns, Tribes Hill, N. Y. 4-5

EGGS, $3.00 PER FIFTEEN, from my improved Blue Andalusian and Dark Cornish stock. Paul Ziemer, Waltham, Minnesota. 4

SINGLE COMB W. LEGHORNS, S. and R. C. R. I. Reds. Eggs, four dollars per hundred. Stock. Otto R. Strauss, Breedsville, Mich. 2-4

S. C. BLACK AND BUFF Orpingtons and Rhode Island Reds. Eggs, $2.00 per 15. Infertiles guaranteed. Trublud Poultry Yards, Lafayette, Ind. 4

WHITE OR DARK CORNISH, also White Orpingtons (Philo stock). Eggs, $3.00. Pekin Duck eggs, $2.00 setting. Landt's Poultry Park, Pensacola, Fla. 4-6

EGGS, $1.00 PER 15, $2.00 per 40 from Brahmas, Rocks, Reds; $1.50 per 15 from Columbian Wyandottes, White Orpingtons. S. G. Beales, Coopersburg, Pa. 4-6

EGGS FOR SALE from high scoring Ringlet Barred Rocks, Buff Orpingtons and Black Langshans, $1.50 per 15. Mrs. Mabel Morse, Monroe City, Mo. 4-5

EGGS!!! BREEDERS!!! Finest Orpingtons, White, Black, Buff, White Wyandottes, R. I. Reds; Runner Ducks, three kinds; 152 prizes, 35 first, 10 specials in two shows. Woman's College, Meridian, Miss. 4-5

PRIZE AND LAYING CONTEST winners—Partridge Plymouth Rocks, White Wyandottes, Orpingtons, guaranteed eggs, prices will please you. Drop postal. Remington, 4100 Alcott St., Denver, Colo. 4

PARTRIDGE WYANDOTTE eggs for hatching. Golden Wyandotte eggs for hatching. White Indian Runner duck eggs for hatching. Fishel strain. Prices right on eggs. R. B. Myers, Milledgeville, Ill. 4

ILLUSTRATED POULTRY CATALOG FREE. Describing land and water fowls, hares and dogs. Stock and setting eggs a specialty. Edwin A. Souder, Telford, Pa. 4-6

WHITE WYANDOTTES, Jackson and Fishel strains. R. C. Rhode Island Whites, Peerless and Excelsior strains. Eggs for hatching. Satisfaction guaranteed. Write for mating list. J. T. Patcick, Route 2, Vernon, Ind. 4

WORLD'S RECORD laying big eggs. Seven egg prizes, five breeds, circular. Cecil Loring, Dedham, Mass. No money down; eggs sent approval. 4

IF YOU WANT EGGS OR cockerels from the very best Single Comb Black Minorcas, Single Comb Buff Orpington or Indian Runner duck eggs, send to Oetzel's Poultry Farm, New Richmond, O. 2-4

CAMPINES (KENNEDY, JACOBUS), Anconas (Sheppard), Buttercups (Tillinghast). Eggs and chicks. Prices reasonable. T. H. Head, Malta, Ohio. 2-4

FOR SALE—PHEASANTS, pea-fowls, white Holland turkeys, white and pearl African guineas, Rhode Island Red Cross, the best egg producers ever found. Also eggs for settings. Results guaranteed. We are the only people who guarantee results. Helen Bartlett Co., R. F. D. No. 7, Cassopolis, Mich. We ship from our own farm. 2-4

KELLERSTRASS WHITE ORPINGTONS. Prize winning stock, George B. Ferris strain, Single Comb White Leghorns, White Crested Polish. Eggs and day-old chicks. J. A. Roy, Netcong, N. J. 2-4

EGGS. EGGS. EGGS. From prize winning birds. Barred Plymouth Rocks, Silver Campines and S. C. White Leghorns. Prices of stock and eggs on application. Hubert A. Mantheis, 929 Kensington Ave., Plymouth, Wis. 2-4

OSHKOSH POULTRY FARMS. Breeders of fancy and utility Rocks, Orpingtons, Reds, Houdans, Langshans, Wyandottes, Runner Ducks and Belgium Hares. Stock and eggs for sale. Office, 814 Oregon St., Oshkosh, Wis. 2-4

COLUMBIAN LEGHORNS, Columbian Plymouth Rocks and Lakenvelders. Eggs, reasonable, $1.25 and up. Guaranteed show quality. Harper E. Mayberry, Dillsburg, Pa. 2-4

EGGS FOR HATCHING from bred-to-lay S. C. White Leghorns, S. C. Brown Leghorns, S. C. Black Minorcas, S. C. Black Orpingtons, White Wyandottes, $1.00 per 15; $6.00 per 100. Sidney Cook, Nelsonville, Ohio. 2-4

EGGS FOR SALE—White Orpington, pure Kellerstrass strain, and Golden Sebright Bantams, $1.00 per 15; $5.00 per 100. White Indian Runner ducks, Fishel strain, $1.00 per 12; $7.00 per 100. Bantam chickens, $1.00 each. Ed. Schumann, Madison, Ind. 2-5

HIGH CLASS POULTRY. Black Minorcas, White Leghorns, Mottled Anconas, R. I. Reds, all Single Comb, best stock. Write for prices. West End Poultry Yards, Waynesboro, Va. 1-5

BLACK LANGSHANS and White Wyandottes. Eggs and baby chicks in season. Book your orders early. R. E. Shattuck, Rochester, Mich. 1-4

SILVER CAMPINES. 15 eggs, $2.00. Fishel. White Runners, 15 eggs, $3.00. Book all about Indian Runner Ducks, 75c; 2c stamp for mating list. Levi D. Yoder, Box 36, Dublin, Pa. 1-4

SEND $1.00 for a setting of eggs from our choice flocks of R. C. Reds, Anconas, Black Minorcas, Silver Laced Wyandottes and Lakenvelders. Birds bred from blue ribbon winners. Satisfaction guaranteed. Joseph Henke, Fort Loramie, O. 3-5

ANCONAS, SILVER CAMPINES, Sicilian Buttercups. Best winter layers. A few breeders for sale. Utility stock. Prices reasonable. E. O. Green, Portland, Ind. 8-tf

S. C. WHITE MINORCAS, S. C. White Leghorns, White Cornish Game, White Rocks. Stock, eggs and baby chicks. The Acme Poultry Farm, New Bremen, O. 2-4

CAMPINES, BUCKEYES, S. C. Reds and S. C. W. Leghorns. Write for mating list. O. A. Persons, Box A, Medina, O. 3-5

S. C. WHITE LEGHORN and Orpington eggs and stock in season. G. A. Sexauer, R. No. 8, Erie, Pa. 2-4

20 EGGS, $1.00. Reds, Rocks, Leghorns; 30 other varieties; also pigeons, hares, ferrets. List free. A. L. Bergey, Telford, Pa. 3-5

ROSE COMB RHODE Island Red and Crystal White Orpington eggs, $1.00 and $2.00 per 15. Special prices on 100 egg lots. Bourbon Red Turkey eggs, $3.00 per 9. Mrs. Lincoln Brown, Route 8, Ottumwa, Iowa. 3-5

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WHITE WYANDOTTES and Partridge Rocks. Stock and eggs for sale. Write for prices. G. Ruck & Co., Route 5, Wapakoneta, O. 3-5

"STOP, LOOK, LISTEN." Get my mating list of perfection strain Partridge Plymouth Rocks and Rhode Island Whites. It's free. W. H. Stephenson, Box K, Kempton, Ind. 3-5

EGGS FROM PRIZE WINNING White Runner and Rouen Ducks, African Geese and White and Black Faverolles for sale. Satisfaction guaranteed. Write wants. H. H. Haskins, Wakeman, Ohio. 3-5

ROSE AND SINGLE COMB White Orpingtons, Mammoth Pekin Ducks won at Madison Square Garden. First cock, third hen, second cockerel, second pullet; rose combs. H. P. Kettering, 1701 Lilas St., Carrick, Pa. 3-5

INVEST YOUR MONEY CAREFULLY. Send me two dollars for settings of prize winning S. C. Reds, S. C. B. Minorcas, Black, White Orpingtons, Barred Rocks. Guaranteed fertility and delivery. Claude Davis, Iowa City, Iowa. 3-4

WHITE LINE POULTRY FARM—Fishel White Rock, White Runner ducks. Stock and eggs, prices reasonable. Satisfaction guaranteed. Reference, First National Bank. R. R. Adams, Albion, Ill. 3-5

OH, YOU DUCKS! Hatching eggs, day-old chicks and ducklings; breeders; pure White and Fawn and White Runners, Barred Rocks, White Wyandottes. Winners and layers. Mating list. John F. Crane, Spencer, Ind. 3-5

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QUALITY FIRST, VIGOROUS CHICKS, ten varieties, Brown, Buff, White Leghorns, Barred Rocks, 12c each. Circular. Natona Hatchery, Rome, N. Y. 4

ONE POUND SIZE chicks, ducklings, as low as 39c each in large lots. All varieties, best strains, 250 eggs. Lowest price on egg farm pullets. Guy K. Neisler, Fillmore, Ill. 4

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SILVER CAMPINES (Jones strain). The living egg machines. Chicks, 25 cents each. Eggs, $2.00 per 15. Mrs. A. F. Donnenwirth, New Washington, O. 4-6

CHICKS—S. C. BLACK Minorcas, 18 cents. Sterling Poultry Co., Sterling, Ill. 4-6

CHICKS—S. C. BROWN Leghorns. 15c, $12 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

CHICKS—STERLING STRAIN S. C. Reds. 18c, $15 per 100; R. C., 20c, $18 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

CHICKS—PURE FISHEL strain White Wyandottes, 15c, $12 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

CHICKS—PURE KELLERSTRASS strain, 20c, $18 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

CHICKS—PURE FISHEL strain White Rocks, 15c, $12 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

WHITE PLYMOUTH ROCKS. Vigorous, day-old chicks from my heavy winter laying and prize winning stock. The price is 12 cents each in amounts from 25 up. Philip Condon, Box 7, West Chester, Ohio. 4-6

BABY CHICKS—S. C. White Leghorns, Wyckoff-Yesterlaid strains. From well matured stock, $10 per 100. Satisfaction guaranteed. Louis Hesser, Leesburg, Ind. 3-5

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INDIAN RUNNER DUCKS.

WHITE INDIAN RUNNERS, 13 eggs, $1.50; 26, $2.75. Honey Creek Poultry Farm, Kahoka, Mo. 4

ENGLISH PENCILED INDIAN RUNNERS. Stock and eggs for sale reasonable. H. E. Frymire, Frymire, Ky. 4-6

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CHAMPION WHITE RUNNERS. True Spencer strain. Lay white eggs only. Outlay our Corning White Leghorns. From Chicago and New York blue ribboners. Very fertile eggs, twelve, two fifty; fifty, six dollars; one hundred, ten dollars. Sent prepaid. See our large ad on page 550, March issue. On our thirty thousand dollar farm. Address White Beauty Egg Farm, Atwood, Illinois. 4

ENGLISH PENCILED INDIAN Runners, grand layers of fine markings. Eggs, 13, $1.75, prepaid. Ducks, $1.50 each. Progressive Poultry Farm, Herbert A. Thompson, Interlaken, N. Y. 4

WHITE INDIAN RUNNER EGGS, Fishel white egg strain, $1.50 per 11, $10 per hundred. T. Huyser, 29 Pittsburg, Detroit, Mich. 4-5

SNOW WHITE INDIAN RUNNERS, pure white egg strain bred for egg production, $2 per 12. Fawn and White, $1 per 12. Booklet free. Day-old ducklings. Walter Raushenberger, Manager and Owner The Elmo Duck Farm, Souderton, Pa. 4-6

FAWN AND WHITE INDIAN Runner eggs, $1.05 per 13; $5.00 per 100. White Runners, $5.00 per 13. Brown and White China and Embden geese, $2.00 per 7. White guineas, $1.00 per 15. J. C. Cromwell, R. D. 3, Springfield, Ohio. 4

INDIAN RUNNER DUCKS AND EGGS.—In English or Fawn and White (white egg strains) eggs are $1.00 per 12, or $5.00 per 100. Ducklings, $5.00 per 25, $15.00 per 100, $125.00 per 1000. Pure White Indian ducklings, $7.50 per 25, $20.00 per 100. Eggs, $2.00 per 12, $10.00 per 100. Duck-culture free for 2c stamp. Legrons Duck Farm, Harvard Terrace, Toledo, Ohio. 4-6

FAWN AND WHITE INDIAN Runner duck eggs, twelve for one dollar. J. F. Humm, Elchorn, Ill. 4-5

FAWN AND WHITE Indian Runner eggs, $2.00 per 13. Gibert, R. 4, Webster Grove, Mo. 4-6

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DUCKS. WHITE INDIAN RUNNERS. First drake, second duck Forest City Fair, Cleveland, 1913. Also Fawn and Whites. Mammoth Pekins and White Muscovys. C. W. Osborne, Route 2, Youngstown, Ohio 4

FAWN AND WHITE RUNNERS. Eggs, $1.50 per 11. D. T. Boner, Clinton, Wis. 4

RUNNERS, WHITE standard. First Chicago, 1913. Horton Green, Dixon, Ill. 4-6

PURE WHITE Runners. Spencer strain. Eggs reasonable. Write me. C. O. Yost, De Queen, Ark. 4 6

INDIAN RUNNER DUCKS, Walton and Brooks strain. Fawn and white two-year-old breeders mated to Cumberland strain drakes. $1.50 setting 13 white eggs. L. P. Church, Sterling, N. Y. 3-5

WHITE INDIAN RUNNER Ducks. Winners at Pittsburgh, Wheeling, Cleveland, Hagerstown and Baltimore, 1913-14. Breeding and exhibition stock for sale; also eggs. Prices the lowest. Write us. Walnut Hill Farm, Washington, Pa. 3-4

STANDARD BRED FAWN and White and pure White Indian Runner Ducks. Harshberger blue ribbon white egg strain. Eggs, $1.50 per 13; $10.00 per 100. Satisfaction guaranteed. Chas. Herick, Wharton, O. 3-5

INDIAN RUNNERS—Fawn and White. White eggs, 13, $2.00. Winnings free. Mrs. J. M. Kemp, Kenney, Ill. 3-5

INDIAN RUNNERS, Fawn and White bred to American and English standard pure white egg strain; stock and eggs for sale reasonable. Write for circular. W. J. Megiltsch, Harvel, Ill. 3-6

EGGS FOR SALE from Snowflake strain White Runners, Kellerstrass White Orpingtons; also Fawn and White Runners. Vernon W. Smith, Albion, Ill. 3-5

INDIAN RUNNER DUCKS, Fawn and White, powerful, heavy layers of strictly white eggs. One setting, $2.; three settings, $5; 100 eggs, $10. Eggs from pen No. 2, half price. Every egg guaranteed. Circulars free. C. J. Yoder, Grantsville, Md. 10-13-1yr

WHITE RUNNER DUCKS, prize winners. Trios, $5.00; eggs, $1.00 per 12. Frederick Shank, Timberville, Va. 3-5

INDIAN RUNNER DUCK eggs from my superb White and English Penciled. One customer writes, 196 eggs in 221 days. Winners U. S. and Canada. In short, the best real Runners in America. Eggs, $2.00, $3.00, $5.00 and $8.00 per 12. My guarantee of satisfaction protects your money. S. H. Long, Elwood, Ill. 3-5

WHITE RUNNERS, FISHEL'S strain. Bred from prize winners. Chicago, Milwaukee, Indianapolis, Minneapolis. Hardy northern raised stock and eggs. Booklet free. O. E. Haglund, Cannon Falls, Minn. 3-4

WHITE INDIAN RUNNERS. Winners at Battle Creek and Detroit. Eggs, $2.00 per 12; $10.00 per 100. C. W. Hosmer, Union City, Mich. 3-5

WHITE RUNNERS, FISHEL strain direct. Wonderful white egg layers. Prices very reasonable. Write. Henry Heitkamp, New Bremen, O. 3-4

WHITE RUNNERS, FISHEL'S strain. 12 eggs from choice exhibition stock, $2.50, $8.00. Prepaid. 10 out of 12 guaranteed fertile or clear eggs replaced free. Party & Son, Bonnots Mill, Mo. 3-4

RUNNER DUCKS. Fawn with white markings. Great producers of pure white eggs. Eggs for hatching. Fairhaven Poultry Farm, Toulon, Ill. 3-5

WHITE RUNNER DUCK eggs from blue ribbon winners. Free circular. S. J. Hunter, Washington, Pa. 2-5

FAWN AND WHITE INDIAN RUNNERS. Eggs, $1.25 per 11; $2.00 per 22. Alfred F. Allen, Frankfort, Mich. 2-4

WHITE-EGG PENCILED, also White Runners. Egg, duckling bargains. Mrs. George W. Church, A-2, Townville, Pa. 2-4

WHITE INDIAN RUNNER DUCKS—Eggs for sale. Fishel direct; 13 eggs, $1.25; 50 eggs, $4.00; 100 eggs, $7.00. George Lehmkuhl, Box 182, New Bremen, Ohio. 2-5

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DUCKS.

ENGLISH PENCILED, ALSO White Runners. Laid all winter. Select matings. Circular. Mrs. Gahin Wilcox, Spencer, N. Y. 4

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BUFF ORPINGTON DUCK eggs, two dollars twelve. Swaim and Dunrobin strain separate. George Kennedy, Erhart, Ohio. 4-6

DUCKS, WHITE EGG, penciled eggs and ducklings. Mrs. Wayne Flint, Randolph, Pa. 4 6

DAY-OLD MAMMOTH Pekin ducks from large, vigorous, heavy layers, $3.00 per doz.; $22.50 for 100 April; $2.50 per doz.; $18.50 per 100 May and June. Safe delivery guaranteed. B. C. Welch, Elsberry, Mo. 4-5

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BUFF ORPINGTON DUCKS, Welday white egg strain. Eggs, 10 cents each. Frank Myers, Oakwood, Ohio. 4-6

BUFF ORPINGTON DUCKS, Buff Geese. Jacob Leatherman, Wadsworth, Ohio. 4

BUFF ORPINGTON DUCKS—Champions of Chicago, Springfield, Des Moines, Madison, Woodstock, Richmond this winter. Mating list containing history, photos, prizes won, etc., free. Monarch Yards, Box A, Woodstock, Ill. 3-5

BUFF ORPINGTON DUCK eggs, $2.00 to $4.00 per 12. Write. O. E. Reynolds, Wharton, O. 3-5

BUFF ORPINGTON DUCKS, winners Madison Square, Chicago, Indianapolis. Catalogue free. B. O. Swaim, Zionsville, Ind. 3-5

MAMMOTH PEKIN DUCK eggs, $1.25 per 12. J. C. Loewer, Worden, Ill. 3-6

BUFF ORPINGTON ducks. Eggs, $2.00 per 12. W. P. Cassady, Spencerville, O. 3-5

FAWN AND WHITE also English Penciled Indian Runners; wonderful layers, large, pure white eggs, 15, $1.00; 50, $3.00; 100, $5.00. B. F. Morgan, Independence, Ind. 2-4

MAMMOTH PEKIN DUCKS and Drakes for sale. Baby Ducklings and Hatching Eggs. Peabody Farms, Hinsdale, Ill. 2-6

QUICK MATURING PEKIN ducks. Breeders, eggs, ducklings. Hatch off weekly. L. M. McFarland, Watertown, Wis. 2-4

ROUEN DUCKS of the largest and best quality, grand in shape and color. Eggs, $2.50 per 11. Lick Run Poultry Farm, Carey, Ohio. 2-5

BUFF ORPINGTON DUCKS of quality at bargain prices. Egg orders booked. Chas. Cue, Frankfort, Ind. 2-4

MAMMOTH PEKINS—Eggs, 10c each, $5 per hundred; 500, $20.00. White "Pigmy" Bantams, 50c setting. Lena E. McKay, Macon, Mo. 2-4

WHITE MUSCOVY, Buff Orpington, English penciled and White Runners. Eggs in season. Write us. Sparling Sisters, Garden Grove, Ia. 2-4

OUR BUFF ORPINGTON DUCKS outlay Runners. Catalog describing our 250 egg female, special matings guaranteed to produce winners at any show on earth; only absolutely pure white egg strain; also complete standard, all free. World's leading breeder. K. K. Welday, Seville, Ohio. 2-4

COOK'S BUFF ORPINGTON DUCKS are again winners at Chicago, St. Louis and Des Moines. Eight 1st, eleven 2nd and four 3d prizes. Special display cup at St. Louis. Will have three grand pens for this season. Stock and eggs for sale. E. H. Cook, Huntley, Ill. 2-4

BUFF ORPINGTON DUCKS. Stock and eggs, breeders and exhibition very reasonable. Harry Rundell, Medina, Ohio. 2-4

GENUINE WILD MALLARD ducks, domesticated. Stock, $5 per trio. Eggs in season, $2 per twelve. H. Rhody & Son, Royal Center, Ind. 2-4

BUFF ORPINGTON DUCKS. Five firsts at New York State Fair. Eggs, $2.00 per 11. Watson & Marshfield, Marcellus, N. Y. 3-5

ENGLISH PENCILED RUNNERS, white egg strain. Eggs, $1.50 for setting. Baby ducks, 25c each. L. Borutraker, Route 2, Fredericktown, Mo. 3-5

MAMMOTH PEKINS, Rankin and Japanese. Eggs from choice stock, $1 per 12; 100, $6. Springbranch Poultry Farm, Bellville, Ohio. 3-5

BUFF ORPINGTON DUCKS. White eggs, 12, $2.00; 50, $6.00; guaranteed. Chas. Quinn, Monroe, Mich. 3-4

BUFF ORPINGTON DUCK eggs, $1.50 per 20. I will replace all infertile eggs. Alex. J. Fix, Monroe, Mich. 3-5

IMPERIAL MAMMOTH PEKIN ducks, eggs for hatching and ducklings. Our ducks were winners at Grand Central Palace and Madison Square Garden, New York, 1913. I have as fine flock as there is to be found anywhere. C. H. Beebe, Saddle River, N. J. 3-5

MAMMOTH PEKIN and White Indian Runner ducks. Eggs, $1.00 for 11. Geo. Reiling, Burnt Prairie, Ill. 3-4

BUFF ORPINGTON DUCKS, Dunrobin. Eggs from clear buff stock, $2.00 per 12; 50, $5.00. Springbranch Poultry Farm, Bellville, O. 3-5

TIFFANY'S SUPERIOR PEKIN and Rouen ducks, eggs and ducklings. Pens headed by Madison Square, Buffalo, Philadelphia and Baltimore winners. F. A. Tiffany, Route 3, Phoenixville, Pa. 3-5

BUFF ORPINGTON DUCK eggs from birds purchased from William Cook & Sons, $3 and $6 per 15. Edna Hoffman, Annandale, N. J. 3-6

MAMMOTH PEKIN DUCKS. Eggs for hatching, $1.00 per setting. Albert G. Becker, Hazel Crest, Ill. 3-5

TURKEYS.

BOURBON RED TURKEYS. Eggs for sale in season. A. L. Hoehne, Lowell, Wis. 3-6

MAMMOTH BRONZE TURKEYS. Fishel and other leading strains. Eggs, per 12, $2.50; 28 for $5.00. Over twenty years a successful breeder. Birds have farm range. M. H. Murray, Calamine, Wis. 4-6

MAMMOTH BRONZE TURKEY eggs from prize winners. Send for mating list. A. L. Ackerman, Rich Hill, Mo. 3-5

MY CHAMPION BRONZE TURKEYS and Barred Rocks win for my customers in 25 states. They win, weigh, lay and pay; 52-lb. tom. Eggs for hatching. Ike Hudnalls, Milan, Mo. 3-5

WHITE HOLLAND TURKEYS. Large, extra nice birds. 10 eggs, $2.50. F. W. Rodenberg, Metropolis, Ill. 3-5

BOURBON REDS and Black Langshans. Eggs for hatching. Ella B. McNutt, Otsego, Mich. 3-5

WHITE HOLLAND TOMS and breeders. Hatching eggs in season. Peabody Farm, Dept. F, Hinsdale, Ill. 3-5

MAMMOTH BRONZE TURKEYS, good size and color. Flock headed by extra large, well marked, vigorous toms, descendants of prize winners. Eggs, $3.00 per 10. Leroy McKinzie, Independence, Ind. 3-5

WHITE HOLLAND TURKEYS of the largest and best quality, descendants from 42-lb. tom. Eggs, $2.50 per 11. Frank Shetler, Golconda, Ill. 3-5

LARGEST WHITE HOLLAND turkey breeding flock in Indiana; 33 pound toms, 19 pound hens. Eggs, 13, $2.50; 100, $19.00. Exhibition Barred Rocks and White Wyandottes. Fine stock. Eggs, 15, $1.00; 50, $2.50; 100, $5.00. Circular free. J. C. Hodges, Waterloo, Ind. 3-5

EGGS FOR SALE from large White Holland turkeys, 25c each. C. F. Long, Waggoner, Ill. 3-5

GIANT BRONZE, WINNERS at Madison Square, St. Louis and Chicago. Tom weight, 55; hens, 28. Toms, $6 up; hens, $4.00 up. Eggs, 25c and 50c each. Larenz & Co., Springvalley Farm, Perryville, Mo. 1-5

BRONZE TURKEYS. STOCK for sale bred from New York and Chicago winners. Eggs in season. Three grand flocks mated. Send for mating list. Satisfaction guaranteed. Harvey L. Fike, Box C, Meyersdale, Pa. 3-5

GIANT BRONZE TURKEYS—Prize winners from largest strain in America. Eggs our specialty. Write for descriptive circular giving prizes won. B. F. Morgan, Independence, Ind. 2-4

BIG TYPE, FREE RANGE Bronze Turkeys. Eggs, $4, 11. Oak Grove Farm, R. 34, Box A, Peoria, Ill. 2-4

AMERICA'S LEADING WINNERS in Giant Bronze Turkeys and Partridge Plymouth Rocks. See our adv. on page 655. 2-tf

GEESE.

AFRICAN GEESE. Eggs and stock reasonable. A. L. Hoehne, Lowell, Wis. 3-6

LARGE MAMMOTH TOULOUSE geese. Blue ribbon winners. Eggs, 35 cents each. Fred Scholl, Memphis, Ind. 2-5

MAMMOTH TOULOUSE GEESE, the big kind; also brown china eggs, 25c each. Geo. Reiling, Burnt Prairie, Ill. 3-4

MAMMOTH TOULOUSE GEESE. Prize winning stock. Eggs, 35 cents each. Wm. P. Sutter, Fairbury, Ill. 3-5

EGGS, EACH, Embden, 20c; Pekin, 10c. Marion Buckner, Poneto, Ind. 3-5

AFRICAN GEESE. Eggs, 35 cents. Dr. Butts, Norwood Park, Ill. 2-4

LARGE TOULOUSE GEESE—Mated, not related. Circular. P. R. Pfouts, Bucyrus, O. 2-4

MAMMOTH BUFF GEESE are largest. Color wonderful. Eggs, stock. Catalog free. K. K. Welday, Seville, Ohio. 2-4

EGGS FOR HATCHING.

EGGS—S. C. BLACK MINORCAS, $2 per 15. Sterling Poultry Co., Sterling, Ill. 4-6

EGGS—PURE STERLING STRAIN Rhode Island Reds; S. C., $1.50 per 15, $6 per 100; R. C., $2 per 15, $8 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

EGGS — (PURE KELLERSTRASS STRAIN) White Orpingtons. $2 per 15, $8 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

EGGS—S. C. BROWN LEGHORNS. $1.50 per 15, $6 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

EGGS—(PURE FISHEL STRAIN) White Wyandottes. $1.50 per 15, $6 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

EGGS — (PURE FISHEL STRAIN). White Rocks. $1.50 per 15, $6 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

EGGS—PURE YOUNG strain. S. C. White Leghorns. $5 per 100, $1 per 15. Sterling Poultry Co., Sterling, Ill. 4-6

PHEASANTS.

100 DOZEN PHEASANT EGGS for sale from my selected breeders, chosen after years of experience. W. R. Eaton, Muskogee, Oklahoma. 4-6

RINGNECK PHEASANT EGGS 13 for $1.50. New stock. Nelson L. Saylor, Naperville, Ill. 4-6

FOR SALE—Eggs from Ringneck Golden and Silver pheasants. Riverview Pheasantry, Tekonsha, Mich. 3-8

ENGLISH PHEASANT EGGS for sale, $3.00 per setting of 15 eggs; $17.50 per 100. C. G. Kimball, Beloit, Wis. 3-5

SILVER, GOLDEN, RINGNECK Pheasant eggs for sale. Place orders now. Prices on application. J. O. Bossmann, Horicon, Wis. 1-5

SILVER PHEASANT EGGS and stock for sale. J. D. Bryan, Converse, Ind. 3-5

PHEASANTS AND WILD WATERFOWL—I have now for sale an exceedingly fine lot of Ring Neck and Mongolian pheasants, also both young and full-plumaged Golden and Silver pheasants, all just right for breeding the coming spring. I also have Wood Ducks, Blue Wing Teal, Pintails, Coots, Gray Calls, Wild Mallards, Canada geese, etc. I am also now booking orders for eggs of several varieties of pheasants and wild ducks for spring and early summer delivery. Make your reservations for eggs now to save disappointment. Write now for prices, information, etc. Wallace Evans, Game Propagating Farm, Oak Park, Ill. 2-4

BIRDS AND ANIMALS FOR SALE.

PHEASANTS, QUAIL, PARTRIDGES, Wild Turkeys, Swans, Wild Ducks, Geese, Cranes, Elk, Deer, Buffaloes, Antelope, Beavers, Minks, Otters, Skunks, Ferrets, Parrots, Song, Ornamental and Game Birds, Silver, Red and Grey Foxes, and animals of all kinds for sale. Complete lists and full information ten cents, stamps or silver. State what you want when writing. Horne's Zoological Arena, Desk 20, Kansas City, Mo. 4

GUINEAS.

PEARL GUINEA EGGS, $1.25 per 30. Miss Alma Eichelmann, R. No. 4, Waterloo, Ill. 4-6

PEARL GUINEAS—Eggs, $1.00 per 15; $2.00 per 36; $5.50 per 100. J. L. Hoak, Spencerville, Ohio. 4-7

PEARL GUINEAS. Stock and eggs. John Hass, Bettendorf, Iowa. 4-5

BELGIAN HARES.

DO YOU WANT quality in Rufus Red, White and Ermine Hares? J. R. Counihan, Grandview St., Wheeling, W. Va. 3-14-1yr

PEDIGREED BELGIAN HARES. Hare book. Catalogue. Dogs, Poultry. Five stamps. Failing Poultry Farm, La Fargeville, N. Y. 3-6

GUINEA PIGS.

GUINEA PIGS for sale cheap. Illustrated circular for stamp. Geo. R. Palmateer, Troy, N. Y. 4

BOOKLET BREEDING GUINEA PIGS, 15c. Warren Fluck, East Greenville, Pa. 4-14-1yr

GUINEA PIGS, white and colors. Prices right. Alice B. Colton, R. 4, Aurora, Ill. 4-5

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RABBITS, ALL VARIETIES; squirrels, guinea pigs, ferrets, mink, cats, foxes, raccoons, skunks, etc. Colored catalogue, 25c. Book on rabbits, guinea pigs, 35c copy. U. Pheasantry, Poughkeepsie, N. Y. 3-5

DOGS.

PEDIGREED SCOTCH COLLIES, bitches, open and bred; puppies, all ages; catalogue stamp. Failing Poultry Farm, LaFargeville, N. Y. 3-6

COLLIE AND FOX TERRIER pups and brood bitches, imported strains, $5.00 to $20.00. Harding's Kennels, Wadena, Minn. 3-5

PIGEONS.

WANTED—5,000 COMMON or Homer Pigeons. Pay at least 25c pair. Poultry wanted. D. Gilbert, 1128 Palmer Street, Philadelphia, Pa. 4

85C PAIR LARGE mated Homers; Carneaux, $1.90 pair. Dragoons, Mondaines, fancy pigeons, colored catalog, 25c. U. Pheasantry, Poughkeepsie, N. Y. 4-6

"PIGEONS"—the finest pigeon magazine, $1.00 a year, or send 25 cents for four months' trial. Pigeons Magazine, 953 Advertising Bldg., Chicago. 4

I OFFER GUARANTEED mated Homers in any quantity at $1.00 pair and challenge squab companies or dealers to produce better stock at twice this price. Beautiful White Homers, $1.50 pair. Get my prices on Runts, Carneaux, Maltese Hens and save dollars. Charles A. Gilbert, 346 North American Street, Philadelphia, Pa. 4

(Continued on page 766)

Illustrated Breeders' Cards

RATES for Illustrated Breeders' Cards: 40-word card, with small sized illustration (to be furnished by us), $2.50 per month for less than one year; $24 per year, payable quarterly in advance. Words in excess of forty, seven cents extra per word per month. Numbers and initials count as words. **Copy for advertisements, plainly written, should reach this office by the 15th of the month preceding date of issue.** In answering these advertisements please mention AMERICAN POULTRY JOURNAL.



WHITE WYANDOTTES. Keeler strain direct. Line bred for ten years. My yards consist of winners at Illinois state show, Galesburg, Canton and Havana. Winners of more ribbons than all my competitors combined. Mating list ready; stock all sold. T. C. Rafferty, Canton, Ill. 4-14-1yr



SILVER CAMPINES. Eggs for sale from Imported English standard Campines from the best breeders in England. Eggs from pen No. 1, $5.00; from pen No. 2, $35.00. All stock for sale after June 15th except spring hatch. E. A. Shults, Lawrence, Mich. 4-2



REED'S WHITE WYANDOTTES win at Rochester, 1913-1914, on six entries, 3rd cockerel, 2nd hen, 2nd, 4th, 5th pullet. At Syracuse, 1913, 1st, 4th, 5th pullet. Eggs, $2, $3, $5 per 15. Write. Albert J. Reed, Clifton Springs, N. Y. 4-2



WORLD'S FOREMOST POULTRY Service. "Free Service Poultry Guide" was worth $100 to one man. Valuable brooding time table for baby chicks free, other literature free. H. G. Spangler, Greenwood, Mass., breeder of White Rocks and R. I. Reds. 4-1



POLO LEGHORN FARM; strictly high class utility S. C. W. Leghorns. Bred for eggs and size. Trap nested ancestry. Eggs for hatching and chicks. Am booking orders for 10-week-old pullets and cockerels. Catalog free. Only one breed. C. E. Trump, Prop., Polo, Ill. 12-13-1yr



WHITE WYANDOTTES. Eggs for hatching from ten mated pens of the best blood lines in America. Many first prize birds at leading shows past season were sold from our flock. Exclusive breeder of White Wyandotte Farm, Oscar L. Bock, Prop., Council Bluffs, Iowa. 4-14-1yr



PRIMM PLEASES PARTICULAR patrons who place their order for his vigorous farm raised S. C. Black Minorcas. Stock, eggs and baby chicks of superior quality very reasonable. Send for my mating and price list. Jas. Primm, Route 1, Athens, Ill. 4-1



BOOKING ORDERS for eggs and baby chicks from my blue ribbon and governor's cup winning Single and Rose Comb Anconas, White and Buff Orpingtons, imported Silver Campines. My birds are as good as the best. Write for mating list. Ira N. DeLine, Box D, Olympia, Wash. 12-13-1yr



DARK CORNISH. Twenty-two years my specialty. Madison Square, Boston, Baltimore, Louisville, Hopkinsville winners. Descendants of imported prize winners. Utility stock all sold. Six superb breeding pens this season. Mating list free. Send for it. T. D. Moore, Hopkinsville, Ky. 12-13-1yr



HIGH QUALITY REDS. I have three pens mated up for 1914 breeding, 21 select females and 3 mates. They are of good type and color. Eggs selected equally from the three pens, $5.00 per 15. C. P. Scott, R. R. 36, Peoria, Ill. 10-13-1yr



OUR BARRED PLYMOUTH Rocks, pullet bred exclusively, win at every show. Look up our ad in last American Poultry Journal. They win, they lay, they pay their way. For mating list write today. John Peterson, Box 27, Randall, Iowa. 3-14-1yr



S. C. W. LEGHORN 2-year-old hens and pullets for sale at a dollar. Young's strain. Write for special prices in lots. Custom hatching done by Candee mammoth incubator. Wayne G. Barrows Poultry Farm and Hatchery, Crystal Lake, Ill. 4-1



MAMMOTH BRONZE TURKEYS of the better kind. Choice exhibition and breeding birds at reasonable prices. Also choice Barred Rocks. No better stock anywhere. Write today to Miss Sallie Cox, R. 1, New London, Mo. 3-14-1yr.



1,071 EGGS A YEAR FROM 5 Single Comb White Leghorns is certified to by Storrs College, Connecticut of my laying champions of the world. Egg champions, not feather. Mating list upon request. sale. F. G. Yost, Sayre, Pa. 5-13-1yr



FIFTY VARIETIES OF FINE THOROUGHBRED POULTRY. Cochins, Brahmas, Langshans, Rocks, Wyandottes, Houdans, Orpingtons, R. I. Reds, Leghorns, Polish, Hamburgs, Spanish, Ducks, Turkeys, Geese, Incubators and Brooders. Large illustrated catalogue mailed for 4c.

C. M. ATWOOD
9-11-3yrs Box A7, Dundee, Minnesota



S. C. AND R. C. RHODE ISLAND Red cockerels and pullets at $2.00 each. Eggs for hatching, $1.50 per 15, $2.25 for 30, or $5 per hundred. Satisfaction guaranteed or money refunded. Joe O'Reilly, Custer Park, Ill. 1-14-1yr



BARRED PLYMOUTH ROCKS won at the Coliseum show, Chicago, 2nd cock, 2nd cockerel, 3rd and 5th cockerel bred pullet, 5th cockerel mated pen. Stock all sold. Ask for my egg circular. F. M. Love, Lewistown, Ill. 2-3



BANTAMS, IMPORTED STOCK, Golden Duckwing, Silver Duckwing and Birchen Game, Buff, Black and, White Cochins; at the Illinois State Show, 1913, we won six firsts on six entries; also all shape and color specials. Write for prices. Klingbeil Bros., Petersburg, Ill. 10-13-1yr



ROSE COMB REDS (Buschmann-Pierce strain). Eggs for hatching from our blue ribbon pens, $2.00 per 15 or $3.50 per 30; utility, $5.00 per 100. Fertility and a square deal guaranteed. Order at once from this ad. Brookside Farm, Albion, Ill. 1-4



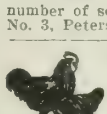
ANCONAS, GOLDEN WYANdottes, Campines. We still have a few cockerels and pullets for sale; choice birds; booking egg orders now; first come first served. Write us for our new mating list; write today. C. H. Mills & Son, Warren, Ohio. 1-14-1yr



WHITE FACED BLACK SPANISH, bred from imported stock; won all awards at Danville, Jan. 13-17, 1914. Also grand sweepstake cup for best display, all varieties competing. Eggs from specially mated pens, $5 and $3 for 15. I guarantee satisfaction. E. L. Power, 5 E. Voorhees St., Danville, Ill. 2-14-1yr



SINGLE COMB RHODE ISLAND Reds winners at Peoria, Havana, Petersburg and Decatur. Exhibition and utility stock for sale at right prices. Eggs from specially mated pens, $2.00 to $5.00 for 15; write quick; we will only spare a limited number of settings. Mrs. F. P. Stein, R. F. D. No. 3, Petersburg, Ill. 2-14-1yr



SINGLE COMB REDS. Our Single Comb Reds won at Peoria, Ill., Dec. 2-7, 1913; 250 entries in the class; 1st hen, 4th cock. At Wyoming, Ill., Dec. 8-13; 1st, 2nd, 3d cock, 1st, 2nd, 4th, 5th hen, 1st, 2nd pen; exhibition and breeding stock for sale; also some good breeders in White Orpingtons for disposal. Mrs. Elon Steer, Wyoming, Ill. 2-14-1yr



MASSEY'S FAMOUS WHITE Wyandottes, winners at the Iowa and Missouri state fairs, Kansas City, Chillicothe, Mo.; Ottumwa, Iowa Falls and Centerville, Iowa. Eggs, $2, $3, $5, per 15. Stock, $2 to $5 each. Catalog free; write. Ernest Massey, Box 157, Mystic, Iowa. 2-14-1yr



WHITE WYANDOTTES, Rose and Single Comb White Leghorns and Black Javas. Winners at Williamsport, McKeesport, Pittsburg, Greensburg, Beaver and Uniontown, Pa., shows. Order your eggs for hatching now. A square deal to all. James Moffat, Jr., Box 121, East Pittsburgh, Pa. 2-14-1yr



EGGS OR BABY CHICKS. Plymouth Rocks, Reds, Leghorns, Anconas, Minorcas, Orpingtons, Cornish, Wyandottes. Also Bantams, Ducks and Embden Geese. Thousands of Prizes won. Eggs only $2 per 15; prepaid 25c extra. Send for catalog. Talbott's Twin Oaks Farms, Sargents, O. 2-3



MY SINGLE COMB ANCONAS won at Illinois State Fair, Illinois State Show and St. Louis Coliseum Show. A few cockerels left for sale. Eggs and day-old chicks. Custom hatching. Tambourette Poultry Yards, F. V. Hays, Prop., Carrollton, Ill. 12-13-1yr



BENNETT'S WHITE WYANDOTTES win at Freeport, in hot class, on eight entries, nine ribbons, including 1st and 2d cock. Every specimen placed. Specially good cocks, cockerels and pullets for sal J. B. Bennett. Belvidere, Ill. 10-13-1 yr.



CHICKS. We ship thousands, are now booking orders for spring delivery. Leghorns $9, Anconas $11 per 100. Will also have Rocks, Reds, Wyandottes and White Orpingtons. Free booklet and testimonials. Freeport Hatchery, Box A, Freeport, Mich.



BABY CHICKS, 10 to 15c; stock, $1.50 up; eggs, $5 to $6 per 100. Reds, Opringtons, White and Columbian Wyandottes, White Leghorns, Barred Rocks, Toulouse geese, Pekin and Runner ducks, Red turkeys. Catalog free. G. A. Mitchell, Freeport, Ill. 2-14-1yr



MY BLACK ORPINGTONS won at Illinois State Fair, 1913; 1st pullet, 3rd hen, 5th cock, 2nd pen; at Terre Haute, Ind., 1st pen, only entry; Decatur, Ill., 1st cockerel, 1st, 2nd, 3rd, 4th pullet, 2nd cock, 2nd hen, 1st pen. Eggs from these winners for sale at right prices. C. O. McKinney, Bethany, Ill. 1-14-1yr



S. C. RED EGGS—$5.00 PER 15 From best matings, containing winners at Davenport, Iowa, Peoria, Lincoln, Champaign, Decatur, Clinton and Illinois State Show. First pullet, color and shape special, champion female. Send for mating list. C. P. Gundlach, Lincoln, Ill. 11-13-1yr



WESTFAHL'S RINGLET BARRED Rocks, winning strain, first on young pen, first on cockerel, first and second pullets at Michigan City; first on cock at La Porte. Eggs for hatching, $3.00 per 15, both matings. A. C. Westfahl, Michigan City, Ind. 4-1



1913 MY WHITE WYANDOTTES won fourth Missouri Laying Contest, 1,759 eggs; Arkansas State Fair and Pine Bluff they made a clean sweep. There is a reason. Free circular tells why. Eggs, $3 to $6 per 15, prepaid. S. L. Todd, R. R. 1, Green Forest, Ark. 3-14-1yr



BABY CHICKS for March shipments. Guaranteed safe arrival 2,000 miles. True to name, standard bred Buff Orpingtons, White Orpingtons, White Wyandottes, White Leghorns, Barred Plymouth Rocks, Reds. Write for circulars. Eggs for hatching. Martin Michelson, 232 Fifth St., Aurora, Ill. 4-1



BUFF ORPINGTONS of good type and beautiful Golden Buff color, at recent Streator Fair in strong competition we won 2nd cockerel, 2nd pullet and 2nd pen. Eggs at $2.50, $3.00 and $5.00 per setting. Ben H. Smith, Streator, Ill. 10-13-1yr



OUR BLACK AND WHITE Orpingtons won 63 ribbons on 58 entries at Carrollton, Louisiana, Missouri, Beardstown, Jacksonville, Petersburg and Illinois State Show. All specials and six silver cups. Stock, eggs and chicks for sale. J. C. & A. P. Weber, Dept. A, Jacksonville, Illinois. 3-14-1yr



MAPLE GROVE FARM Barred Plymouth Rocks, superb quality, exhibition, cockerel and pullet mated birds for sale. Eggs from selected pens, $5.00, $3.00 and $1.50 for fifteen; utility eggs, $5.00 per hundred. Route 9, Decatur, Ill. Member American Poultry Association. Member American Plymouth Rock Club. 3-14-1yr



ROSE COMB RHODE ISLAND Reds. My Reds have won at the leading shows, including Decatur, Illinois, State Show and three consecutive years at Quincy. They have also won for my customers and will win for you. Book your order for eggs now from my specially mated pens. J. L. Brock, Bethany, Illinois. 3-14-1yr



WHITE ORPINGTONS — Imported direct from William Cook, of England. Also Crystal White. Eggs from large, vigorous, snow-white, heavy-laying stock, $3.00 to $10.00 per 15. Also stock for sale. Baby chicks in season. Mrs. J. H. Weaver, Winamac, Indiana. 3-2



RED HEN POULTRY YARDS. Single Comb Rhode Island Reds, the kind that win, lay and pay. Winners in the leading shows. Eggs, $2, $3 and $5 per setting. Also five eggs from each pen at $3.50. Satisfaction guaranteed. Red Hen Poultry Yards, Lincoln, Ill. 11-13-1yr



SINGLE COMB White Leghorns, Wyckoff-Cornell strain, bred to lay; fine, large, white birds, in perfect health. Chix, $10 per 100; $6 per 50. Eggs, $5 per 100; $3 per 50. George H. Brinker, Village Poultry Yards, Lyons, N. Y. 4-1



ATTENTION, Poultrymen. Have secured stock from foremost breeders in America: Wm. Cook & Sons, Philo, and Kellerstrass. We are prepared to sell S. C. White Orpington eggs from greatest strain of layers in existence. Write for prices. W. H. Dunham, Eldon, Wapello Co., Iowa. 3-14-1yr



WHITE AND COLUMBIAN Rocks, breed of Bickerdike strain, White Rocks for seven years, also breed Columbian Rocks. Eggs for hatching, $5.00 per 15. Utility White Rock eggs, $7.50 per 100. Replace infertile free. Sable and white Scotch collie pups for sale. Fred Deihl, Morrisonville, Ill. 3-14-1yr



S. C. BUFF ORPINGTONS won 2nd cock, 3rd pullet and 1st pen at Indianapolis show Feb. 2-7, 1914, and almost clean sweep at Columbus and Connersville, Ind. Stock and eggs. Mating list. D. A. Kemp, Box M, Morristown, Ind. 4-1



WHITE PLYMOUTH ROCKS, White Holland Turkeys, Fawn Indian Runners. Quality absolutely guaranteed. All sales on approval. Eggs, Twelve years with first two varieties. Verne D. Stock, Stockton, Ill. 3-14-1yr



MY WHITE ORPINGTONS won all 1st, 2nd, 3rd and 4th premiums at Harvard, Ill., show, January, 1914. Also special for best display. I am offering eggs from these winners at $5.00, $3.00 and $2.00 for fifteen. Mrs. Alice Maxon, R. R. 4, Harvard, Illinois. 3-3

Beautility Partridge Rocks

BRED FOR CONSISTENT WINning and heavy egg production. Fine utility and high class exhibition birds for sale. Eggs from six pens for season 1914. "Your money's worth or your money back, and you're the judge." R. H. Russell, Fayette, O. 6-13-1yr

STOCK FOR SALE

PARTRIDGE, BARRED, WHITE, Silver Penciled, Columbian, Plymouth Rocks, Rose and Single Comb Buff, Black and White Orpingtons (Blacks imported), Silver Campines and Derbyshire Red Caps. We have old and young stock of high class at special price. John A. Hageman Co., Charlotte, Mich. 9-13-tf

WHITE WYANDOTTES

SUPERB STRAIN. Winners at Michigan's best shows. Line bred from heavy layers. Superb King, best bird at Scranton, 1913, heads one pen. Other males winners. Eggs $2, $3 and $4 per 15. Mating list free. J. Vernon Sheap, Jackson, Mich. 2-14-1yr

Single Comb White Orpingtons

WHITE ORPINGTONS, the great winter layers, bred for utility and exhibition. Winning at Chicago, January, 1914, 1st and 5th pullet, 3rd and 4th pen on entry of 7. Send for complete mating list. H. E. Conrad, Box A, Norwood Park, Chicago, Ill. 2-14-1yr

Eggs For Hatching

FROM IMPORTED Golden Campines, Single Comb White and Black Minorcas, Single Comb Brown Leghorns and White Wyandottes, good laying strain. Stock for sale. Satisfaction guaranteed. C. Jackson, Box M, Buchtel, O. 3-14-1yr

BARRED ROCKS

OF GOOD TYPE AND LARGE size. They lay and they weigh. Choice pullets, either mating, for sale. Eggs from six of the best pens I ever owned. Send for mating list. Mrs. Chas. E. Popham, R. 7, Charleston, Ill. 3-3

EGGS EGGS EGGS

FOR HATCHING our specialty. White Wyandottes exclusively, Duston strain. 200 two-year-old layers. Eggs from choice, pure bred stock, 15 $2, $5; 50 $3.50, $12; 100 $6, $20. Fertility and safe delivery guaranteed. Omaha shipments. Forest Lawn Wyandotte Yards, J. H. Faris, Florence, Nebraska. 3-1

Continued from page 764

26 MONDAIN RUNT crosses; good birds for squab breeding. A. M. Holmes, Monon, Ind. 2-4

LARGE, WHITE MATED HOMERS in any quantity, $1.00 pair. Wm. P. Sutter, Fairbury, Ill. 4-6

MISCELLANEOUS.

YOUR NAME, GUARANTEED, town, on "Rubber Stamp" for marking eggs, $1.60; with date, $2.60; rubber type, steel dies, metal badges, seals, stencils. Catalogue, 10c. Buckeye Rubber Stamp Works, Seventh, Dayton, Ohio. 4-6

HOW TO GET CHICKS out of shell. 25c silver. Get wise, save chicks. J. Houck, Tiffin, Ohio. 4

ATTENTION, POULTRYMEN. Keep accurate account of poultry cost. Send for our Handy Monthly Poultry Report. Single Report, 10c, 3 for 25c; 12, 75c. Address John H. Huntress, Delavan, Wis. 4

BROTHER—Accidentally discovered root cures both tobacco habit and indigestion. Gladly send particulars. John Stokes, Mohawk, Fla. 4-6

PURE GROUND CHARCOAL, $2.00 barrel, 4 bushels, f. o. b. Berlin, N. J., for chickens. Registered letter, money order or draft. T. B. Wright & Co., 308 Chestnut St., Philadelphia, Pa. 3-5

OUR INCUBATOR OUTHATCHES all others. Hover raises all chicks. Price smasher catalog free. K. K. Welday, Seville, Ohio. 2-4

THE MAGIC EGG TESTER tells hatchable eggs before incubating. Sold on 1 year trial money back guarantee. Catalog free. K. K. Welday, Seville, O. 2-4

UNLISTED MINING OIL and insurance stocks bought and sold. Send for free list. Box 75, Little Rock, Ark. 1-14-1yr

POULTRY SERVICE.

STEADY RETAIL CUSTOMERS at better prices for poultry products. Address Interstate Poultry Club, Asbury Park, N. J. 3-5

FOR SALE.

FOR SALE CHEAP or exchange a Simplex Brooder Stove used 1 time for a Cyphers Paradise Brooder. Edward Retzel, Hinsdale, Illinois. 4

SACRIFICE SALE—ESSEX Model Hovers, good as new, used one season. Jamison Bros., Havre de Grace, Md. 4-6

$700 BUYS HOUSE, lot, barn; snap; beautiful home. C. Camp, Mentor, O. 2-4

SACRIFICE PRICES—390 egg Cyphers incubator, new. Simplex brooder stove, like new. International sanitary hover, new. Bargains. R. L. Henry, Germantown, O. 2-4

INCUBATORS AND BROODERS.

SIMPLEX BROODER STOVE for sale. Used one season. As good as new. Full instructions and complete as from factory. $20.00. First check gets stove. J. A. Shorrette, Polo, Ill. 4

BECKER'S AUTOMATIC BROODERS—Closes, opens, covers and uncovers chickens automatically; no overcrowding; satisfaction guaranteed. Becker Bros., New Ulm, Texas. 4-6

The VALENTINE RANCH brooder is manufactured by one who has made a success of the poultry business. Send for booklet. Valentine Ranch, New Brighton, Minn. 3-5

FARMS FOR SALE.

ESTABLISHED POULTRY PLANT, Fruit, Alfalfa. Near Spokane. White Leghorn Farm, Valleyford, Washington. 4

COME TO WASHINGTON to raise poultry. No climate, market conditions, future possibilities, compare with those of Washington, the Evergreen state, for both fancy and utility stock. Write I. M. Howell, Secretary State, Dept. M, Olympia, Wash., for official bulletin. 4

FOR SALE—MODERN POULTRY Plant Farm. On account of the death of N. P. Husted his poultry farm, located near Grand Rapids, Michigan, will be sold with the equipment consisting of one 10,500 egg capacity Essex Model Mammoth Incubator and 11 small incubators, 1,200 White Leghorns, Young & Wyckoff strain, chickens, etc. Write W. C. Hopson, Grand Rapids, Mich. 4

KODAKS AND DEVELOPING.

FILMS DEVELOPED, 15c roll. Velox prints, 3c to 5c. Expert workmanship. Prompt service. Everything in kodaks and photographic supplies. Lowest prices. Schock Brothers, 3232 Madison, Chicago. 4-6

NEW JERSEY.

GOOD POULTRY FARM, 10 acres, near markets. Atlantic City is splendid market for all poultry and fruit; here are 10 level acres all just right for poultry and fruit; well located, near neighbors, short distance to express station, splendid service; good house, barn, poultry house, etc., all goes for only $3,000, part cash, if taken now; see photo and get traveling directions, page 17, "Strout's Farm Catalogue 37," write today for free copy. E. A. Strout Farm Agency, Station 4002, Land Title Bldg., Philadelphia, Pa. 4

POULTRY.

POULTRY BREEDERS AND EGG RAISERS send name and line at once for new poultry directory. No charge for inserting. Poultry Statistics Bureau, Rochester, N. Y. 2-5

EXCHANGE.

WILL EXCHANGE high class white fantail pigeons for graphophone, shotgun, power grinding machine or gasoline engine. Paul Wilke, Forest Park, Ill. 4-6

SINGLE COMB BUFF ORPINGTONS. Setting, $2. Will exchange for Campines. George Hovey, Howes Cave, New York. 4

EXCHANGE—WINCHESTER RIFLE, White Leghorns for poultry, pheasants. Lucy Bailey, Albion, Ill. 2-5

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WANTED—IMPROVED FARMS and wild lands. Best system for quick results. Full particulars and magazine free. Don't pay big commissions. Western Sales Agency, Minneapolis, Minn. 3-5

WANTED.

WANTED—POSITION on poultry plant; sober and plenty experience with poultry. Robt. Hamish, Mingoville, Pa. 3-5

PATENT ATTORNEY.

PATENT YOUR INVENTION—it may make your fortune. Poultry devices a specialty. Booklet free. Lester L. Sargent, 716 Twelfth St., Washington, D. C. 1-4

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ILLUSTRATED POULTRY PRINTING—150 letterheads and 150 envelopes neatly printed to copy and illustrated with your variety and shipped prepaid for $1.00. Special prices on all poultry printing. Samples free. Union Publishing Co., Dept. 6, Uniondale, Ind. 4-5

PRINTING FOR POULTRYMEN—125 noteheads and 125 envelopes $1.00 prepaid. Noteheads, envelopes, cards, tags, labels, 100 either 50c, 250 85c, 500 $1.40, 1,000 $2.40 prepaid. Postcards. Circulars, catalogues, letterheads. Finest cuts furnished. Stamp brings samples. Model Printing Company, Manchester, Iowa. 3-5

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3,000 GUMMED LABELS, 1x2 inches, printed to order, $1.00 postpaid. Advertising stickers, all kinds; parcel post labels, all sizes; illustrated catalogue free; agents wanted. G. S. Edward Harrison, Baltimore, Md. 3-14-tf

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ALL THE PRINTING you need for $1.00, postpaid. Samples free. The Fanciers Press, Batavia, Ohio. 2-4

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FREE EGGS with every order. All varieties. Particulars, stamp. Experimental Station, Weedsport, New York. 3-4

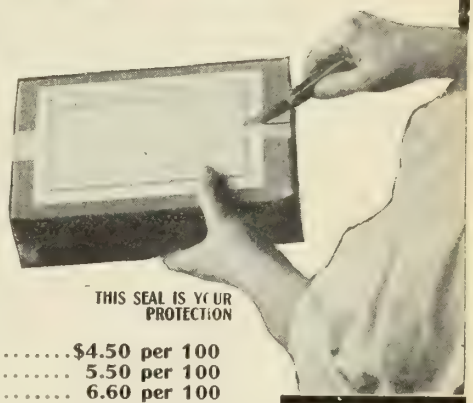
Guarantee Your Customers that your Shipment of Eggs Will Arrive in Perfect Condition by Using

The Andrews Safety Egg Carrier



This box is beyond doubt the most satisfactory Egg Carrier ever devised, and its price is so low that it can be used for Parcel Post Commercial shipments. No Fancier can afford to be without it. There are now more of these being used than all other kinds put together.

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1-doz. Egg Size,	complete	with	tape	and	label	$4.50 per 100
15-Egg Size,	"	"	"	"	"	5.50 per 100
24-Egg Size,	"	"	"	"	"	6.60 per 100
30-Egg Size,	"	"	"	"	"	10.00 per 100
50-Egg Size,	"	"	"	"	"	13.00 per 100
100-Egg Size,	"	"	"	"	"	18.00 per 100

We do not ship less than 50 of each size. Order from this advertisement. We also manufacture a complete line of Baby Chick Carriers, Our line of light wooden coops for shipping exhibition birds, and our beautiful sanitary and practical open front Colony Houses are the most wonderful values ever offered to the poultry trade. Send for our complete catalog. It has much valuable and practical information. No poultryman should be without it.

THE ANDREWS PAPER BOX COMPANY

The South's Leading Corrugated Fibre Manufacturers

O. B. ANDREWS, President — CHATTANOOGA, TENN.

Oakland's Farm Famous Single Comb White Leghorns

OUR WINNINGS

Have you seen the reports of our big Winnings at all the largest Poultry Shows during the past few years? Over 1,000 Ribbons and Cups have been given to the "Oaklands" birds which have established themselves as blue ribbon winners.

EGGS FOR HATCHING

We have on our farm over 40 of the best pens of S. C. White Leghorns and S. C. Rhode Island Reds ever mated in this country. All have been carefully selected and will produce nothing but the best. We are now prepared to furnish eggs from our Special Matings at a reasonable price, and from our best utility stock at $8.00 per 100, guaranteeing 85 percent fertility on all.

Oakland's Farm Famous Single Comb White Leghorns

BABY CHICKS

In booking your order for Chicks with us you are sure of livable, healthy chicks—chicks with vitality and stamina to develop into vigorous prizewinning Cockerels and Pullets—really profitable birds. We guarantee safe delivery and satisfaction to every purchaser. We can deliver from 100 to 10,000 Chicks, for we have a modern plant of over 200 acres, which is devoted almost exclusively to raising poultry and developing the poultry industry.

S. C. White Leghorns
S. C. Rhode Island Reds

Both bred from stock of highest reputation in the country.

White Guineas which have won at Madison Square and Grand Cent. Palace. Choice stock, eggs and chicks for sale.

Don't place your orders until you get our prices.

OAKLANDS FARM

R. F. D. No. 4 — TRENTON JUNCTION, N. J.

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Eclipse all former achievements and win the most brilliant record of their time at Madison Square Garden, New York, this Winter of 1914, winning as follows:

ALL RIBBONS ON COCKERELS, namely, first, second, third, fourth and fifth prizes.

First and fourth on Cocks.

First, second and fourth on Exhibition Pens.

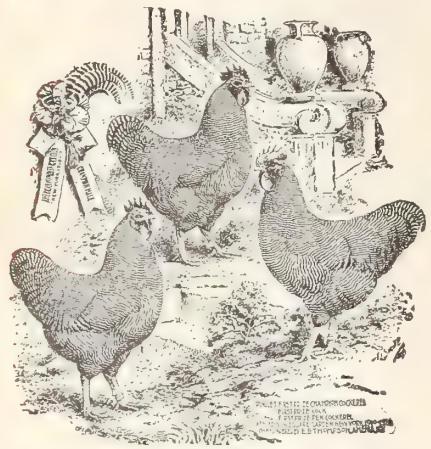
The Imperial prize of the show, Sweepstakes Special for Champion Male.

Medallion for Champion Cockerel.

Diploma presented by the American Poultry Association for Best Cockerel.

Spec'l for Best Shaped Male.

Spec'l for Best Colored Male.



"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York.

Silver Cup for Best Plymouth Rock hatched in 1913, male or female, any variety.

Specials presented by the President of the American Barred Rock Club for Best Cockerel and Best Pullet.

Three Best Cockerels; Best Display; Best Collection.

Silver Cup presented by the New York Sun for best Cock, Hen, Cockerel, Pullet and Pen.

Sweepstakes Silver Cup for Best Exhibition Pen.

The Association $25 in Gold for Best Display.

All Silver Cups and Cash Specials.

Three times as many first Prizes as any Barred Rock Exhibitor.

More First, Regular and Special Prizes than any Exhibitor of any breed.

My exhibit was the most illustrious ever presented to the world —every winning feather was bred on my farm.

The amazing record of **1st, 2nd, 3rd, 4th and 5th prizes** on Cockerels—every Regular and Special Prize offered—stands unmatched in the history of Madison Square Garden. It is unequalled. These cockerels and hundreds of their brothers on my farm are beyond comparison—they are the Finest in the World.

If you want to win and breed winners you must have my Imperial "Ringlets."

They are the standard by which all other Barred Rocks are judged. See my ad. on page 667 for my remarkable record of one year ago at New York. These great twin records, two years in succession, spell **Imperial "Ringlet" Supremacy.**

GRAND BIRDS FOR SALE

EGGS from the finest exhibition matings in the world $10 per setting; four settings, $35; 100 eggs $60.

E. B. Thompson

Lock Box 510, AMENIA, N. Y.

VOL. 45 MAY, 1914 NO. 5

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AMERICAN POULTRY JOURNAL



Published Monthly by American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Ill. Jas. W. Bell, President and Editor. 10c a Copy; $1.00 a Year



Sheppard's Anconas For Profit!

Poultrymen are of one opinion when it comes to the question of Poultry Profits. Almost without exception they will tell you **"the profit is in the eggs!"**

—and SHEPPARD'S famous "ANCONAS" have challenged the world for egg production.

G. W. Idle writes, "Pullets hatched from eggs purchased from you have laid an average of **256 eggs each** for entire flock for year."

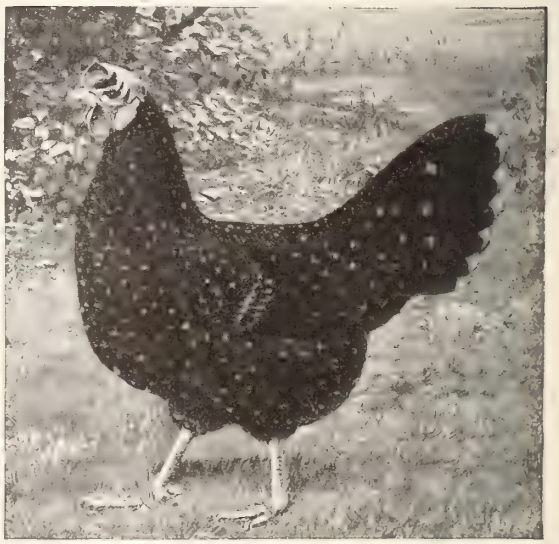
"Going some"—but ANCONAS have the wonderful trapnested record of 270.

Don't that sound like **profits** to you?

They are beautiful fowls from a fancier's standpoint, and as a utility fowl the "ANCONAS" cannot be equalled.

You are in the Poultry business for all the **profit** there is in it, and no matter how you look at it, the "ANCONAS" lead.

They are hardy, prolific, not inclined to set, are the **greatest layers the world has known,** and they always present a clean, well groomed appearance.



Don't you think it would be a good idea to raise the most profitable fowls on the market?

ANCONA Pullets lay as early as 4½ months—they lay large white eggs —they require **less food, less floor space,** and are busy laying, when the heavy fowl is setting.

Wouldn't it be a good idea to have complete information on this profit making strain? Tear out the corner and mail it quick for your copy of my catalog and mating list.

H. Cecil Sheppard, Berea, Ohio.

I would like complete information on Sheppard's famous "ANCONAS" —the "World's Best."

Very truly,

Name_____

Address_____

H. Cecil Sheppard

Box M-2 - - Berea, Ohio



1st Old Chicago Pen 1913-14, Bred and Owned by F. E. Harrison, Menominee, Mich.

F. E. HARRISON'S ARISTOCRATIC ROYAL RED S. C. R. I. REDS

Are the acknowledged champions by virtue of a show record unequalled by any competitor.

In the last two Chicago Coliseum Shows, 1912-13 and 1913-14 (note the dates), Royal Reds won nine out of a possible twelve firsts , competing with seventy-four competitors, none of which won more than one first.

In addition to this, in these two great shows, Royal Reds won five seconds, four thirds, three fourths, and two fifths, and three times as many color specials, shape specials and championships as all other competitors combined, and best display at both shows. Think this over.

Catalogue free for the asking.

F. E. HARRISON, Box 30, Menominee, Mich.

Bronze Turkeys

America's proven champions. Best breeding stock and greatest prize-winners always for sale. Eggs in season. Catalog for stamp.

BIRD BROS., Box C, MEYERSDALE, PA.

Partridge Rocks



BUFF



WHITE



BLACK

BYERS' STRAIN

ORPINGTONS

BUFF, BLACK, AND WHITE

If you want **Eggs** from the best birds that it has ever been my pleasure to breed and own, birds equal to any that I have ever judged or handled on either Coast, you will get them if ordered from my **Special Matings** this month at HALF PRICE—$5 per 15, $9 per 30, $15 per 50, $25 per 100. **Utility Eggs** one-third above prices. Late hatched chicks are always best in color.

The best possible value and service is also extended you in **Stock** which I now offer at ONE-HALF regular price. Secure a doubly profitable purchase now by anticipating your future requirements. That's what every successful business man does. Superb Stars ready for immediate or later delivery. Birds with a future.

C. S. BYERS (Orpington Specialist and Judge 15 Years) **HAZELRIGG, IND.**

More Money for You



WHY NOT BREED

Silver and Golden Campines

Get started right. It's half the fight. It costs no more to have eggs from the

Pacemakers of America

THAN FROM INFERIOR STOCK

Our winnings at Madison Square, Grand Central Palace, Boston, Philadelphia, Allentown, Hagerstown, Buffalo and Rochester prove conclusively our claims. To popularize the breed, eggs from Champion Matings are offered at $1.00 per egg. Excellent Matings 50c per egg. High-class utility matings $4.00 per 15. Mating and stock list ready. Send in your order today. You cannot go wrong. The time is now.

MANHATTAN FARMS, GEO. E. NOETH, Owner BRIGHTON, N. Y.

Know Your Hens on Sight

Successful breeding depends upon knowing your fowls at sight. The

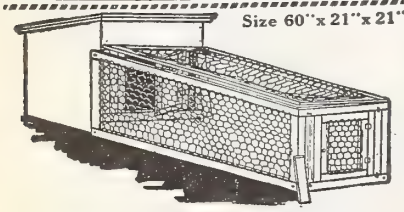
SPIR-O-LO TRADE - MARK **LEG BANDS**



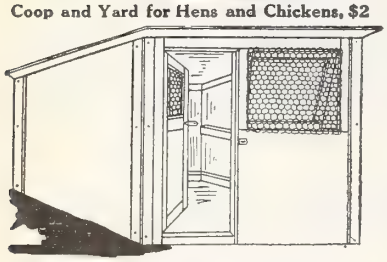
Are made in six colors and give you 120 combinations. They are indestructable and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address. Retail prices—25c a dozen, 50c for 25, 85c for 50; $1.50 for 100. Pigeon and baby chick bands, 20c a dozen, 25 for 35c, 50 for 60c, 100 for $1.

P. S. RIGGS : WHITE PLAINS, NEW YORK

Size 60"x 21"x 21"



Coop and Yard for Hens and Chickens, $2



6 ft. x 8 ft. PORTABLE HOUSE, $15.00

Portable and Colony Houses, Oat Sprouters, Shipping and Training Coops, Trap Nests, Grain Chests, etc. Write for free booklet showing 20 different cuts.

E. C. YOUNG BOX CO., Randolph, Mass.

WORLD'S FOREMOST

White Wyandottes

Winners in the leading shows of America for 15 yrs.

J. H. JACKSON, L. Box 88, HUDSON, MASS.

BIRDS THAT FILL THE EGG BASKET

SINGLE COMB WHITE LEGHORNS

Winners at the best shows. Write for mating list.

A. D. TAYLOR, R. 5, SPRINGFIELD, ILLINOIS

Modern Methods Demand

HOPKINS' ELECTRIC EGG TESTER

The greatest money, time and labor-saving device in recent years. Tests 200 eggs per minute. Detects infertile eggs at once, enabling you to market them for food consumption. Saves your chicks from disease. Speed, safety and convenience. No lamps, wicks, dirt or smoke.

Sky-High in Efficiency—Low in Price

Sold under our absolute money-back guarantee. Special inducement if you are the first in your locality to use it. **Act Quick.** Send for **Free** catalogs and information **Today.**

E. M. HOPKINS & CO.

20 Years a Poultryman

P. O. Box A125 Red Bank, N. J.

Do You Want to Save Money and Raise All the Chicks? The

Ideal Colony Brooder

Coal Burning Self Regulating



100 per cent efficient. Economical and safe. Superior to oil burners. Large and small farms are using the Ideal with success. The only system giving perfect satisfaction. Write for booklet describing the

Ideal Coal Stove Brooder

Price $17. With Regulator $22

Liberty Stove Co., Dept. J, Philadelphia, Pa.

Rocks, Reds, Langshans and Minorcas

Stock for sale from Madison Square Winners. Circular free. Write your wants.

FRANK HARBAUGH : Box A : MIDDLEBURG, MD.

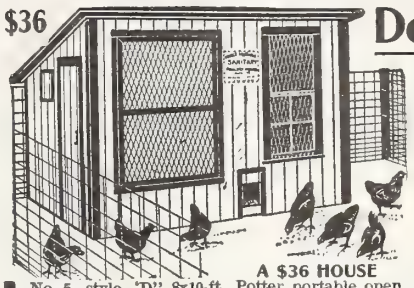
World's Best S. C. Black Minorcas and Canada's Best S. C. Reds

At the American B. M. Show, 1910-1911 and 1911-1912, I won the Club cup for best collection. This, with our great wins at the largest shows on the continent, constitutes a record unequaled by any other S. C. Black Minorca breeder on the continent Eggs half price after May 1st. No mating list. Please send for circular and testimonials. I please my customers.

T. A. FAULDS LONDON, ONTARIO, CANADA

President of Black Minorca Club of Canada.

$36



A $36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5-ft. 3 perch complete hennery outfit for 30 hens. Price of complete house, $36. Painted 2 coats.

Don't Build

you can buy better, cheaper, more complete, ready-made (factory-made) hen houses, roosting and nesting features, coops, hoppers, etc., from Potter & Co. We buy No. 1 high grade cypress lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures

Portable - Sanitary - Inexpensive

Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a **Potter Portable** with complete outfit of roosts, dropboards, and nests. You save money too. A clean, sanitary henhouse means healthy hens and lots of eggs.

Don't Kill or sell your laying hens. **Potterize** your flock.

Pick out the layers from the loafers and diseased hens. Save feed money. Over 50,000 satisfied poultry keepers have our Potter System Book, "Don't Kill the Laying Hen." You cannot afford to be without our 100 page book. Send for circulars.

OUR BIG CATALOG

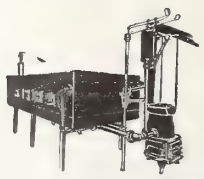
contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalog and circulars on the Potter System book.



A $6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter hennery outfit for 36 hens. This same style made in 12 sizes.

POTTER & CO., Box E-21, Downers Grove, Ill.



Capacities, 1,200 to 20,100 Eggs

As a moneymaker for the poultryman, the Hall Mammoth Incubator has had no equal since 1876. It is the original.

The principle is right. Each year its leadership is more evident.

The absolute simplicity of operation, the freedom from complications, the superior methods of making and selling, the guarantee that means satisfaction, the unusually big hatches of vigorous, lively chicks, all help place it in a class of its own.

Each improvement has been made for the poultryman's profit and not for its value as a sales argument or talking point. The "Hall Service" policy is rare in the whole business world.

If you are not using the Hall Coal-Heated Colony Brooder you are not getting the results you are entitled to. Ask for "Broadside B"

Ask to be placed on our mailing list.

The HALL MAMMOTH INCUBATOR CO.
132 Southern Avenue Little Falls, N. Y.

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Two Headliners in the Poultry World

Tecktonius-Reed Strains

R. C. S. C. BUFF LEGHORNS S. C. RHODE ISLAND REDS

Now Under Same Management



The fame of "Tecktonius" Buffs—America's Champion exhibition and laying fowl—is world wide. Big exhibition prizes, everywhere, at their mercy—not once, but for 7 consecutive years. Their laying record, as well, is as long and brilliant, with 249½ average in 1912 Nat'l Laying Contest—one bird, 281 high. "Tecktonius" Buffs build "winning" reputations, and make "big money" for poultrymen. Put your trust in them and be a "winner" as a poultryman.

Take note of **Reed's S. C. R. I. Reds**—the coming champions of 'Reddom'. This **unrivaled strain of Reds** is the outcome of 7 years efforts of B. C. Reed—one of the most—if not the most—scientific and successful breeding and mating expert this country has ever known. Mr. Tecktonius, recognizing Mr. Reed's extraordinary breeding ability, and the almost **perfect strain of Reds he has** evolved, has enlisted Mr. Reed's co-operation, and henceforth, these 2 breeding geniuses will work hand in hand for the advancement of these two grand strains.

Some Unrivaled Tecktonius Strain Bargains

S. C. Matings--Pens 1 to 6 inclusive, one 15-egg setting, $10; two, $18, three, $25.
Random Selection--If selected from one pen, in which price rules, $5 per setting, extra Pens 7 to 10 inclusive, one setting, $5; two, $9; four, $15. Pens 11 to 14, inclusive, $2 per setting; $10 for one hundred.
R. C. Matings--Pens 15 and 16, one setting, $15; two, $25.
S. C. Utility Stock--Hens, $2; Cockerels, $3 and $5; trios and pens, $10 and $15.
Exhibition Stock--Hens, $5; Cockerels, $15 and $25; trios and pens, $25 to $50.

No Chicks of Either Variety For Sale. Mating List Free.

Special Introductory Offer—Reed's Strain S. C. R. I. Reds

We have mated 6 pens of these Royal Bred birds--the cream of 565--comprising 2 Cocks, 4 Cockerels, 20 Hens and 40 Pullets Everyone is a marvel of breeding, with exquisite, rich even Red Color, and with absolutely no contrast between hackle, back and sickle feathers The tail and wing markings are as near perfection, as scientific breeding can make them. Both male and female types come up to standard requirements, and well over standard in breeding weight. From all pens above described, we will sell eggs as follows: One 15 egg setting, $5; two, $9; four, $15; per one hundred, $25.

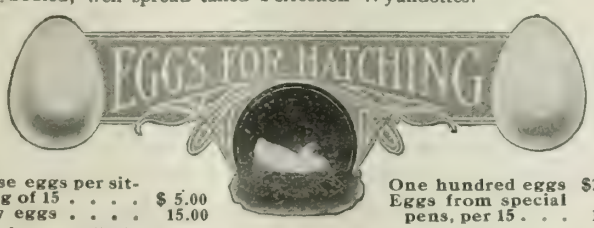
No Stock For Sale Until Fall. No Chicks For Sale.

TECKTONIUS & REED BUFF & RED FARM Route 8 Racine, Wisconsin

Eggs half price after May 1st. The best birds I ever raised were June hatched. Chicks will mature in time for the winter shows.

Rudy's Perfection Strain
White Wyandottes

20 pens mated, each one headed by one of those famous broad backed, deep bodied, well spread tailed Perfection Wyandottes.



These eggs per sitting of 15 . . . . $ 5.00
Fifty eggs 15.00
One hundred eggs $25.00
Eggs from special pens, per 15 . . . 10.00

All of my exhibition stock is hatched from these 20 pens. I replace all infertile eggs returned to me before 14 days. Write for mating list.

GEO. H. RUDY Route 15 Mattoon, Illinois



The American Poultry Journal

The Book You Need **Year Book for 1914** **The Book You Want**

408 pages, eight colored illustrations of pure bred poultry, suitable for framing.

In compiling this book, nothing has been overlooked which would interest the poultryman, and any one of the various articles in this book may be well worth the price of the entire volume.

An article on **A New Method of Judging Chickens by Comparison,** by Louis A. Stahmer, is the first to appear in this book.

The Poultryman's Calendar. Telling what to do each month in the poultry yard, together with almanac of the different months and a breeder's table, will prove valuable to the breeder during hatching time.

The Poultryman's Encyclopedia will be found very useful for the amateur. It is alphabetically arranged and the various terms and common diseases are described and explained in such a way so as to be readily understood. In fact, this encyclopedia alone is worth the price of the book.

The Remarkable Growth of the Poultry Industry, by J. F. Schureman, is very interesting to every poultryman.

Barred Plymouth Rocks, by H. P. Schwab. Explaining the standard requirements of this breed, single mating, double mating, also describing correct mating of cockerel line-bred as well as pullet line-bred birds, shape and color, underbarring, breeding value, also future prospects of the variety.

Anatomy of the Fowl, by Dr. S. A. McWilliams. An illustrated article describing the internal organs of the fowl in an interesting manner, and will be found exceedingly instructive from a practical standpoint.

Organization of Boys' and Girls' Poultry Clubs, by Harry M. Lamon. Describes the ways and means employed in interesting the younger generation in promulgating the interest which is being shown in poultry at the present time. This article tells the methods of organization of clubs, suggestions for constitution and by-laws, how these clubs are run, the prizes that are awarded to the young poultrymen, etc. It is an article well written and instructive.

Efficiency in Poultry Husbandry, by Dr. Prince T. Woods. Tells the amateur exactly how to proceed in order to produce the desired results. The maximum of accomplishments with the minimum of labor. Amateurs will do well to pay special heed to this article.

Frozen Poultry vs. Fresh Killed, by Helen T. Woods. Is an article worth reading by those who are dependent on the market for poultry which is bought for consumption.

The Utility Poultry Farm, by H. H. Stoddard. Explains the care and management of such a farm. This article will prove valuable to those who are dependent on poultry for a living.

Cancer in Fowls and Its Prevention, by Harvey R. Garlord, M. D. This article with its many uncanny illustrations is by far the best ever written on this subject. It describes the development of this malignant disease, how it may be recognized, etc.

Blue Orpingtons, by Max DeBathe; **Houdans,** by Dr. H. E. Dunne; **Cornish for Utility Purposes,** by John W. Ward, Jr., treat on their respective varieties.

Ideal Breed Types as Seen by America's Foremost Fanciers and Judges, by L. A. Stahmer. Illustrates the ideal type of Plymouth Rocks, Orpingtons and Leghorns. Drawings being made after having been criticised by the foremost breeders of these three popular varieties.

Laying House for 100 Hens, by Prof. J. C. Graham. Tells how to construct such a house by the aid of a diagram. Also the exact specification and cost of same.

Houses for Convergent Yards, by H. H. Stoddard. Showing by aid of a diagram how to construct houses and lay out yards in order to save time in caring for the birds. This article will prove very valuable to those who consider time a valuable factor.

White Diarrhœa and Fowl Cholera, by Dr. B. F. Kaupp. Explains the symptoms of these treacherous diseases, treatment of sick birds, how to perform an autopsy, etc.

Fattening Poultry, by Alfred R. Lee. Gives sound information on how to fatten poultry for market.

Poultry Feeding and Foods, by Prof. M. E. Jaffa. Explains the compositions of foods, digestibility of foods, fuel value of different nutrients, nutritive value, how to compound rations, formulas, feeding of chicks, feeding of laying hens, feeding of breeding stock and comments on various foods, including the table showing the composition and digestibility of poultry foods. This article should prove exceedingly interesting to every poultryman, both amateur and professional.

The Single Testing System of Breeding for Egg Production, by Prof. D. F. Laurie. Explains the selection of the birds in the founding of a strain in order to breed for egg production.

The Iowa Colony House, by Profs. J. B. Davison and Wm. A. Lippincott. Explains the construction of this colony house, the necessary material, cost of same, etc., complete with drawings.

Following these interesting articles come the reports of the egg-laying contests, being as follows:

The Second National Egg-Laying Contest, by T. E. Quisenberry.

The Second International Egg-Laying Contest, by W. F. Kirkpatrick.

The Inter Ocean-Midlothian Farms Egg-Laying Contest, by John G. Poorman.

Egg-Laying Competitions at the Roseworthy and Kybybolite Government Stations, by D. F. Laurie.

Egg-Laying Competitions at the Hawkesbury Agricultural College, by D. S. Thompson.

Poultry Laying Competitions Held at Harper Adams Agricultural College, Newport, Salop, England.

Following these complete reports of the egg-laying contests are the show reports of seventeen leading poultry shows in the United States, giving complete report of such shows and the first, second and third prize winners in every class.

Following these reports are the reports of fifty other shows having from 1,000 to 2,000 entries and giving the first prize winners at these shows.

Following these is a complete list of poultry shows held during the season of 1913 and 1914, arranged alphabetically by states and towns. A poultry judges' directory follows this, giving names, addresses and length of service of the different judges.

A poultry journal directory giving names and addresses and condensed description of the different poultry papers published in the United States as well as foreign English poultry papers follows this.

Directory of experiment stations, a specialty club directory and a directory of English specialty clubs follow in order. This directory gives condensed information regarding these various clubs, etc.

A short writeup on the American Poultry Association, its officers and financial statement follow these directories.

The above is a condensed description of contents of the Great American Poultry Journal Year Book for 1914, a 408 page poultry book, which is up-to-date in the minutest detail.

Price of this indespensable work is 50c paper bound, $1.00 cloth bound. The book is printed on high grade enamel book paper and the binding is linen thread sewed to make it flat opening. No expense has been spared to make this book attractive in every way and no book of this size has ever before been offered to the American public at these prices.

The proof of the pudding lies in eating. We can't describe how good this book really is. The best way to describe it is to let you look at it and examine it yourself and for this reason every copy is sent out with the distinct understanding that if you are not entirely satisfied with your purchase, return it to us, and we will refund your money at once.

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American Poultry Journal Publishing Co., 542 South Dearborn Street, Chicago, Ills.

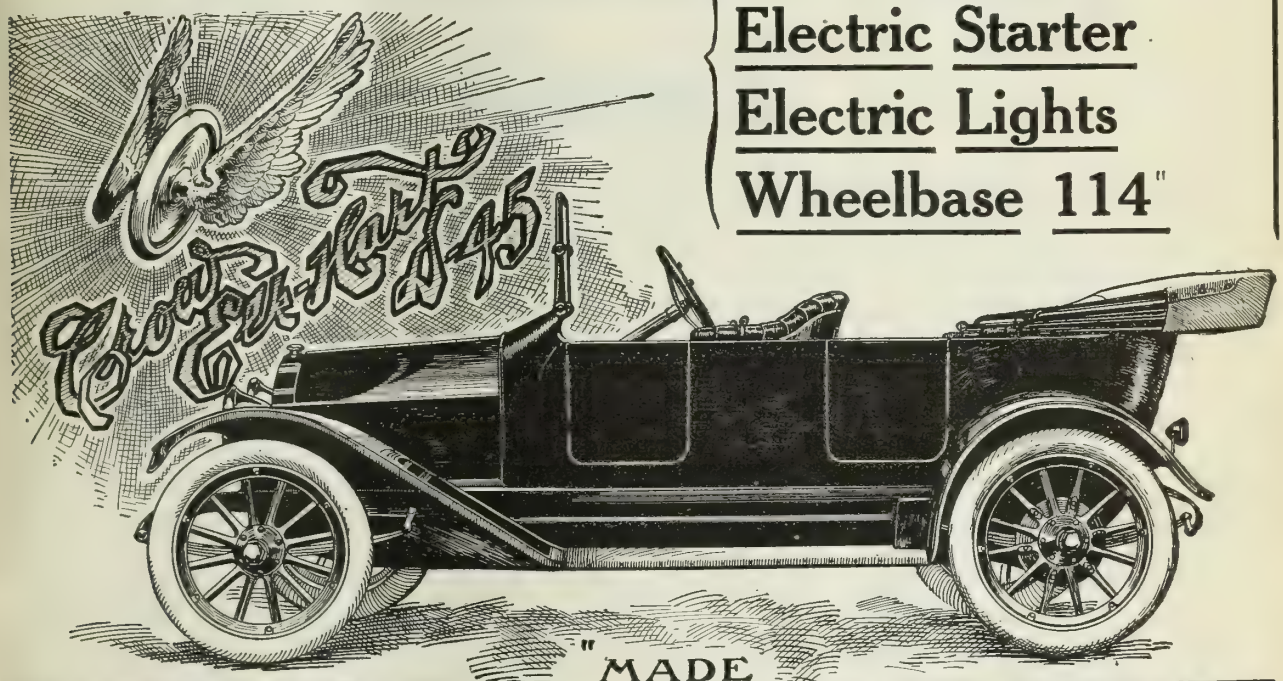
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He Buys A

35 H. P. Motor
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"MADE TO MAKE GOOD"

SIMPLE SILENT

SPEEDY SAFE

SPECIFICATIONS

MOTOR—four cylinder, cast in pairs, 4" bore by 5" stroke.
CARBURETOR—Schebler, model L.
COOLING—Thermo-syphon.
VALVES—Enclosed and interchangeable.
IGNITION—Generator and storage battery.
CLUTCH—Multiple disc, metal to metal in oil.
TRANSMISSION—Selective type, three speeds forward, one reverse.
STEERING GEAR—Irreversible, worm and nut type.
FRONT AXLE—I-beam, pressed steel
REAR AXLE—¾ floating with flexible steel roller bearings.
BRAKES—Double internal expanding on 16" and 14" drums.

We believe there is a market among Progressive Poultrymen for a reasonable priced automobile of merit!

That's why we are advertising the CROW ELK-HART in the American Poultry Journal.

The successful poultryman is usually a man who has trained himself in economy. He must have efficiency in all things which concern him; and wants this efficiency at its most reasonable cost.

For just this reason we feel that the CROW ELK-HART will appeal to poultrymen in general who are considering the purchase of a motor car.

The CROW ELK-HART is a thoroughbred motor car from every point of view; and has demonstrated its good qualities under the most exacting conditions. This car has had its place in the great National shows and has won its share of comment and reputation just as your blooded birds have won their laurels.

The CROW ELK-HART is a car of which any poultryman may be proud, for it tallies with those high ideals for which he continually strives in his work.

SPECIFICATIONS

CHASSIS—Pressed steel, channel.
ROAD CLEARANCE—10½".
SPRING—Front, semi-eliptic; Rear, full eliptic.
CONTROL—Center.
WHEELS—Artillery type.
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TIRES—33 x 4.
WHEELBASE—114".
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UPHOLSTERING—Genuine leather
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EQUIPMENT includes—Silk mohair top, storm curtains, Stewart model B Speedometer, extra tire basket, tool-kit and jack.

Write or Wire Us Today for Full Information and Complete Catalogue

CROW MOTOR CAR CO., ELKHART, INDIANA

Who Are

the people interested in this new move in the Thoroughbred Poultry Industry? And **why** this change from the old methods? The men interested felt as individuals they had done all they could do to promote the thoroughbred poultry business, but, as a United Farm we can give the business more publicity, produce more fowls and better ones at less cost.

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consists of only such farms as have made a success in the business, starting without a dollar, and by proper business methods and the ability to produce the best in their line, are conceded leaders.

Wm. Cook & Son, Scotch Plains, N. J.
Originators of all Orpingtons
What more can we say to all Orpington breeders than this.

U. R. Fishel, Hope, Ind.
whose **White Plymouth Rocks** have been the leaders for years, and whose farm of 120 acres devoted to the one variety has proven what can be done with poultry.

Buschmann-Pierce Red Farms, Carmel, Ind.
by far one of the most successful **Rhode Island Red** farms in the world, under the direct supervision of Judge W. C. Pierce.

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the noted **"World's Best" White Wyandottes,** for years the home of more good White Wyandottes than could be found on any one farm.

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for twenty years breeder of **Barred Rocks of Quality Unsurpassed.**

POULTRY FEEDS
such as we have used for years will be for the first time offered for sale. These feeds will be manufactured in our own mill and will be a great help to the raisers of poultry.

These farms and owners are well known to every man, woman and child interested in thoroughbred poultry. They have, as individuals, made it possible to have the great poultry plants the United Poultry Farms, Inc., now own, and by their united efforts they have planned to do even greater things for the upbuilding of this great growing industry. Write us. Box A.

U. R. FISHEL, President
P. A. COOK, Sec'y and Gen. Mgr.
W. C. PIERCE, 1st Vice-Pres.
C. I. FISHEL, 2nd Vice-Pres.
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Western Office, HOPE, IND.
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10% Reduction on all List Prices

is one of the first good things we have to offer you as the results of the uniting of the successful poultry farms that make up the United Poultry Farms, Inc. We hope by saving in cost of production and sale to offer our customers many more inducements to buy of us.

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consists of the poultry plants that stand for the best in the varieties they breed and for the best treatment possible to give customers.

The farms of **WM. COOK & SON, Scotch Plains, N. J., originator** of all the Orpingtons and the acknowledged headquarters for the best in this breed.

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Hope, Indiana **Scotch Plains, New Jersey**

THE BEST
White Holland Turkeys
We can supply you with Winners and selected Breeders. Headquarters for WORLD'S BEST.
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Silver Wyandottes
"There is money in Silvers"
The Steinmesch Strain known the world over, EGGS FOR HATCHING, $5.00 for 15, $8.00 for 30 Circular free. Address
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HOUDANS
The **"Famous Jimcrack Strain"** have won and have produced winners at our largest shows for years. Their records at Toronto, the Ontario Winter Fair, Boston, etc., prove their quality. Stock and eggs for sale. Write for circular.
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— SEE THIS NEW —
Poultry Band


The Kind That's Different
Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. **Made for baby chicks and pigeons.** Free catalogue giving full particulars and prices.
F. A. MARSHALL
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King's Ribbon Winners
R. C. Rhode Island Reds
Eggs from two high class pens, $5 and $3 per setting of 15, ten of these hens as prize-winning pullets scored 92 to 94½ points. 1st prize cock and cock of 1st pen at January, 1914 Wheeling, W. Va. Show head these pens. Range flock eggs for incubator, 100 for $6.
EDWARD J. KING
Box 171 Pine Grove, W. Va.


R.C.MINORCAS
First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free
G. A. Clark : Seymour, Ind.

Fifty Dollars in Cash Prizes

Great Prize Contest for 1914 Chick Growers Open to Everybody— Starts Now—Enter Your Name Today

American Poultry Journal offers Ten Cash Prizes, aggregating Fifty Dollars, in a Great Chick Growing Contest for 1914. The contest is open to Everybody who grows chickens. There is no entry fee. If you wish to compete simply send in your name today to the Managing Editor of American Poultry Journal, Silver Lake, Mass., saying: "I wish to enter the A. P. J. Chick Growing Contest for 1914." Read carefully the rules of the contest.

$50 IN TEN CASH PRIZES

FIRST PRIZE	$15.00
SECOND PRIZE	10.00
THIRD PRIZE	7.00
FOURTH PRIZE	5.00
FIFTH PRIZE	3.00
SIXTH PRIZE	2.00
SEVENTH PRIZE	2.00
EIGHTH PRIZE	2.00
NINTH PRIZE	2.00
TENTH PRIZE	2.00

Rules of Chick Growing Contest

The contest starts now; chick season of 1914. It is open to anyone who grows chickens this season, any variety of Standard-bred poultry.

Every contestant must write the story of his or her chick growing experience for the season of 1914, describing hatching, brooding, feeding, care and management of the chicks. This article should contain not less than 1,000 words nor more than 1,500 words.

With each article there must also be furnished FIVE PHOTOGRAPHS of the growing chicks at ages mentioned below. The photographic prints should be clear, sharp and distinct and should not be mounted. The photographs must be made of chicks grown by the contestant and all five for the same variety of poultry. With each photograph must be given the average weight of individual chicks at time photograph was taken. Only chicks of the same age must be included in the same photo. Arrangement and grouping of chicks is left entirely to contestant. The photos should be taken of chicks at different ages as follows:

Photo No. 1. Day-old chicks.
Photo No. 2. Chicks two weeks old.
Photo No. 3. Chicks four weeks old.
Photo No. 4. Chicks eight weeks old.
Photo No. 5. Chicks three months old.

Remember to write your name and address in pencil on the back of each photo print, the name of the variety, the age of the chicks in photo and the average weight per chick. These rules must be carefully followed. Do not write on the face of photograph.

The contest will close September 1, 1914, and all photos and articles must be in the hands of the Managing Editor of American Poultry Journal, Lock Box 4, Silver Lake, Mass., not later than September 15th.

All photos and articles submitted become the property of American Poultry Journal. The judges reserve the right to reject any or all articles and photos not deemed worthy of a place.

Prizes will be awarded ON PRACTICAL MERIT of the chick growing method reported, the RESULTS WITH THE CHICKS, and the QUALITY OF THE PHOTOGRAPHS, including EFFECTIVE GROUPING OF CHICKS.

We require that all articles be written on one side of the paper only and neatly prepared. Literary style will "cut no ice." The PRACTICAL VALUE of your story as an EXPERIENCE LESSON is what counts. Don't be afraid to enter because you have never written an article for publication. Simply tell your experience just as you would write a letter about it to a friend whom you wanted to help to be successful with chickens. Tell your story plainly, forcefully, briefly and stop when you are done. Prepare for writing the article by making notes of your experience as you grow the chicks this season.

Don't fail to enter this contest; it will help you, help your variety and help others who are beginning with poultry.

Awards will be announced as early as possible after the close of the contest and the Cash Prizes will be paid in time to furnish you with Christmas money. Winning articles will be published. Be sure to read the rules carefully and to save them for reference. Enter the contest today. Do it now.

ABERNETHY'S HOUDANS MAKE NEW RECORDS
AT BOSTON'S GREATEST SHOW, JANUARY, 1914

In the greatest class ever shown and with 159 birds competing, my birds won Hen 1st, Pen 1st and Specials, showing in three classes only. This great class was the sensation of the show. I have also won at Philadelphia, Madison Square Garden and New York City.

Reduced Prices on Eggs. Eggs from all pens, as they run, will be sold at $2.50 per setting after May 15.

JAS. ABERNETHY **High St.** **West Pembroke, Maine**

LEARN POULTRY RAISING BY MAIL

under the personal supervision of America's foremost poultry authority, **T. E. Quisenberry.** Chick time is here! Start now! Coin your spare moments into dollars while you prepare for independence! Never such opportunities as NOW in the poultry business. Insure success by enrolling in our General Course in Poultry Husbandry, **THE QUISENBERRY WAY.** Professor Quisenberry gives you as thorough a course as you would receive in four years at college, at a cost of two months' board bill, and without losing you a single day at your present occupation. If you have heard "the call of the hen," if you have red blood in your veins, here is the OPPORTUNITY OF A LIFETIME to reach the goal of your ambition. Grasp it today! We unqualifiedly guarantee satisfaction, or your money back. Special offer to first student in each community. Our Prospectus, "Dollars and Sense in the Poultry Business," tells all. It's free. **AMERICAN SCHOOL OF POULTRY HUSBANDRY, Desk 38, Mountain Grove, Missouri**

Single Comb Brown Leghorns

The largest and finest flock of High Class Exhibition Birds in America. Eighteen special matings, both male and female lines. Eggs, $3, $5 and $10 per 15, from our Madison Square Garden, Buffalo and Chicago winners.

SEND FOR HANDSOMELY ILLUSTRATED CATALOGUE, sent free.

WILLIAMS BROS. & BRACE - - FULLERTON, CAL.

Woodlawn White Rock Yards

Guaranteed Winners, big layers and non-setters. I have developed a strain of White Rocks that have never been defeated for display special at any show entered; will lay eggs with the best, and for two years in succession have shown no tendency to cluck. These facts can be proven by the many persons who have bought my stock and eggs in the past seasons. Large, healthy birds with type and color to spare. **Pens** are all headed by 1st cocks or 1st cockerels at the big Pittsburgh shows. **Eggs, $3 and $5 per 15.** For all my winnings, see show records for Pittsburgh shows and Carnegie Poultry Fanciers' Association.

LESTER T. P. REINECKE, 86 Woodlawn Ave., Crafton, Pa.

Fairfield White Rocks to the Front

At the Great Baltimore, Md., Show, January, 1914, in competition with the best North and South, I won **Special for Best Display. Color Male and Female Specials,** also **Cock 1, Hen 1-5, Cockerels 2-5, Pullets 2-3,** Exhibition **Pen 1.** I also won **Gold Special** for 2 best males and 4 females. These records prove dependable quality. **Stock for Sale. Eggs from Selected Matings, $2 during May and June.** Write me your wants. I have the quality to please at right price. Mated Pens a Specialty. Absolute satisfaction assured. Circular free.

FAIRFIELD POULTRY FARM, H. W. Schnitzer, Prop., Fairton, N. J.

BUFF ORPINGTON EGGS

Champion Male, Illinois State Show, Heads Pen

First cock and champion male: 44 males in line, Springfield, January, 1914. Mated to females of rare type and color. I bred this male and know what to expect from my pens. You can't duplicate the quality under $10 per setting. My price is $5. Order direct from this ad, or send for mating list.

$5

A. B. PORTER, Orpington Specialist BOX 4, LASALLE, ILL.



Your last chance for the season of 1914 to procure eggs from my wonderful matings of

Silver and Golden Campines

and I am willing to make you a special offer of

ONE-THIRD OFF REGULAR PRICE

Eggs for Hatching from all my grand matings as they run 50c each egg or $7.50 for 15; $50 for 100, but I will be willing to book egg orders for the present on and after May 11 at $5 for 15; $10 for 30; $16.67 for 50 and $33.34 for 100. Order from this ad and send 10 cents for the third edition of **"Campineology"** telling you all about Campines, "the fowl with sterling merits and ancient pedigree."

J. FRED N. KENNEDY

Box F **Birch Cliff, Ontario, Canada**

The Poultry Silo FOR CHICKEN RAISERS

The feed problem completely revolutionized

Poultry Silage equal to pure grass every day in the year.

No need for sprouted grain, dry mash, cooked or ground feed.

All supplied in one filling at the lowest possible cost.

Makes hens lay all Winter—tried and proven. Can be built by any one.

The best of all and cheapest feed.

Send $1.50 for Blue Prints, complete instructions and valuable little booklet on "Poultry Silage."

Address:

THE POULTRY SILO

Box 35, New London, Ralls Co., Missouri

Read page 774 right now

Blue Ribbon S. C. Buff Orpingtons

Only 4 pens mated, but each one is quality. 15 Eggs, $1.50 to $5.00. Write for mating list.

Homestead Farm, Route 9, Springfield, Illinois

Large Eggs!

How? Why, feed your hens right! Free book **The Golden Egg,** tells how. Write today.

HUMPHREY, White St. Factory, JOLIET, ILL.

WHITE **ROSE COMB LEGHORNS** BLACK

My Birds win at the Greater Buffalo show, 1st and 2d cks., 1st and 2d hens, 2d cock, 3d and 4th pullets, 3rd pen. Silver cup for best display. Stock for sale. Eggs, $5.00 per setting. A. F. Almendinger, 61 Inwood Place, Buffalo, New York.



The "Signet" Aluminum Leg Band

Adjustable—Signifies Quality

Price 12-15c; 25-20c; 50-35c; 100-60c. **"Silver Tip" Pliers** for applying all kinds of bands. Price 10c, 3c extra for postage. Mention A. P. J.

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All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Pettey, State St., Belvidere, Ill.

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50c in stamps or coin, we will send postpaid one Floridora gun filled with "INSECTOLENE." The old reliable blue powder—that will kill chicken lice, bugs, roaches, etc., together with booklet and full directions for use. Order now.

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45 Varieties Land and Water Fowls

Send for free illustrated catalogue, which tells you much you should know. Stock and eggs at all times. Mention A. P. J.

S. A. HUMMEL **Box 52, Freeport, Ill**



RAISE EVERY CHICK on "HEN-E-TA"-"HEN-O-LA" The *Phosphatic*-System!

The more phosphorus in the egg and the more phosphorus in the egg-shell, the greater the fertility, the better the hatch and the hardier the new-born chick.

The Hen-e-ta-Hen-o-la System eliminates all bowel-trouble; reduces mortality to a minimum; grows and develops the chicks faster and cheaper into strong, rugged, healthy "egg-producing" birds.

Ask your dealer or write us for new booklet, entitled: *"The Successful Way to Grow Little Chicks."*

HENETA BONE CO., Dept. 1, Newark, N. J.

PATENTS

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My booklet, "How to Save Money on Your Patent," free on request. Poultry inventions a specialty. Expert service. Terms reasonable. Write me before you apply for a patent.

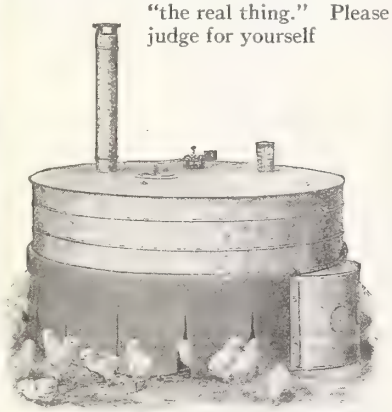
LESTER L. SARGENT, Patent Lawyer

716 12th St., N. W. Washington, D. C.

Prove It Now, This Month, For Yourself

READER, don't you think you ought to take our advice JUST ONCE—in the matter of feeding your chicks? When we tell you that we have spent fifteen years in finding out the BEST WAY to feed young chicks, that we have built four poultry food mills, each one larger and better-equipped than its predecessor—when we explain the BIG AND VITAL FACT that on our $75,000 fifty-acre all-purpose, poultry plant we have TESTED AND PROVED every food we make, every feeding method we recommend, don't you really feel that you should DO YOURSELF THE JUSTICE in your poultry work this SPRING AND SUMMER, to at least give the "Cyphers Company way" a trial?

THOUSANDS, in fact TENS OF THOUSANDS of poultrymen and women HAVE DONE SO—and now they would not follow ANY OTHER PLAN, would not willingly use ANY OTHER BRAND of poultry foods. Now and then they are unable to get the Cyphers sealed-bag, balanced-ration foods promptly enough from some local agent, and therefore are forced to use something else for a few days or a week or two—in which case they SOON DISCOVER the bad effects of inferior, hit-or-miss, GUESS-WORK MIXTURES and they lose no time in getting back to "the real thing." Please read the sample reports herewith and judge for yourself



Cyphers Portable Hover

Set it down Anywhere Indoors and you will have a Safe and Comfortable Place for the Little Chicks. "Movable" at a moment's Notice without even turning down the Lamp Flame. Weighs 35 lbs. in use. Price, Complete, Safely Boxed, $8.50 free on cars at all our Places of Business, except Oakland and London. Oakland F. O. B. price, $9.50. Entirely safe to order a sample from this advertisement. Weighs 40 lbs. by express. Send today for our 244-page Free Catalogue.

RECENT REPORTS FROM CUSTOMERS

"And Like Them Very Much"

Prescott, Wis., April 10, 1914.
Cyphers Incubator Co., Buffalo, N. Y.—

I have used your sealed-bag brand poultry foods ***and like them very much.*** At first the prices seemed rather high, but I find by experience that it pays to feed the best foods obtainable, especially ***when the best results are wanted.*** Whenever I have changed to the cheap grades of foods, especially screenings, I very soon can notice a decrease in results. I fed your Laying Mash this past winter ***and it did all you claim for it.***

ALFRED H. MILLER.

"Fully One-third Cheaper"

Hartford, Conn., April 1, 1914.
Cyphers Incubator Co., Buffalo, N. Y.—

I now have some chicks six weeks old ***and they are a fine lot.*** In the beginning I used a chick food which I bought from a local dealer and must say ***it was very expensive.*** It looked cheap, judging by the quantity and price, but my chicks always seemed hungry ***while I was using this food*** and on looking it over I found that it contained about 50 per cent. grit, for which I was paying big money. I then began using your Chick Food, for this season, ***and have found it fully one-third cheaper,*** because I get more real value for my money. So again let me thank you and permit me to say that I believe ***no person can go wrong*** who uses your foods, appliances and supplies. Have just received another Cyphers Adaptable Hover, which I believe is the best of any brooding device on the market. Was urged by a local dealer to buy another kind, because they didn't carry your goods, ***but did not make this mistake.*** WM. ZIMMER.

"Hope to Raise 1,000 Chicks"

Rumford, R. I., March 21, 1914.
Cyphers Incubator Co., Buffalo, N. Y.—

This season I am raising my chicks ***after your deep-litter feeding plan*** and so far it has been ***very successful,*** which is most encouraging and I see no reason why it should not continue to be so. Out of three hundred chicks I ***have lost only four*** so far and they now range from ***two to six weeks in age.*** The chicks are as smart as crickets and thrive well on your brand of Chick Food, ***which I am using exclusively.*** Before the season is over I hope to raise 1,000 chicks and I now see where I ***can save a great deal of labor*** by using your plan of feeding. Have found your goods superior to others I have had and you can put me down ***as a customer who is well pleased*** with your Chick Food and labor-saving methods.

(Miss) A. W. PICKERING.



Cyphers Company's Chick Food

This 100-Lb. Bag will feed 100 Newly-Hatched Chicks Four Weeks, or 50 Chicks Six to Seven Weeks. Price $2.50 F. O. B. Buffalo, Boston, New York City, Chicago and Kansas City. Price F. O. B. Oakland, $3.00.



Cyphers Company's Developing Food

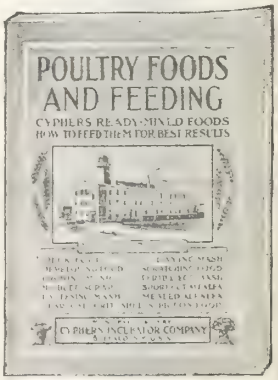
This is a Medium-Granulated, Five-Grain Balanced Ration that we Advise our Customers to Feed to Growing Chicks Between the Ages of Six to Twelve Weeks, Before They are Given Whole Grain. Write for prices.

"They Are Growing Rapidly"

Ruark, Va., March 23, 1914.
Cyphers Incubator Co., Buffalo, N. Y.—

I am using your Sealed-bag Brand of Balanced-ration Chick Food ***with fine results.*** Have a lot of chicks ***three weeks old*** that I am feeding in accordance with your pamphlet, "Poultry Foods and Feeding" ***and they are growing rapidly.*** Never saw chicks ***more healthy or stronger.*** Later on I shall use your Growing Mash and Fattening Mash as the chicks increase in age and size.

MRS. L. D. LYON.



This Book Would be Cheap at $5.00 Per Copy, Judged by Actual, Detailed Value of Contents. Tells How To Produce Broilers, Fryers, Roasting Chickens and Capons; Also Exactly How to Feed the Layers and Breeders. 52 Pages, 7½ x 10 Inches. One FREE COPY on Request to Any Address.

"Beaten to a Frazzle"

Sherlock, Cal., Feb. 20, 1914.
Cyphers Incubator Company:—

I got a Portable Hover from you last month and it's a dandy!!! I want ***another one just like it*** at once. Haven't lost a single chick. It's got the old hen beaten to a frazzle. Enclosed find my check for another one—the same as I got recently. Express it at once to—

DR. T. B. SPALDING, R. R. No. 4.

"Giving Good Satisfaction"

Peoria, Ill., March 31, 1914.
Cyphers Incubator Company:—

Am glad to report that the self-regulating Portable Hover which I ordered from your Chicago Branch House in January ***is giving good satisfaction.*** It supplies uniform heat, furnishes fresh air to the chicks and keeps them ***warm and comfortable,*** despite the cold and changeable weather we have had thus far this season. This winter and early spring would test the good qualities of any brooding device, and your Portable Hover ***has met all requirements.*** WILLIAM L. ZELLER.

R. F. D. No. 35.

"Proved Very Satisfactory"

Hampton, Va., March 21, 1914.
Cyphers Incubator Company:—

The two self-regulating Portable Hovers which you shipped us ***have proved very satisfactory.*** Please find enclosed our order for three more. These brooding devices do the work required of them and we are ***glad to place this second order with you,*** which is the best evidence of our satisfaction with the first two hovers you shipped us. So far, the Cyphers Portable Hover ***is the best I have ever used.*** R. R. CLARK, Poultryman.

Hampton Normal & Agricultural Inst.

Six Places of Business:

Bear in mind, reader, that the Cyphers Company conducts six places of business (and has done so for ten to sixteen years), thus bringing its goods NEAR TO YOU and thereby saving you money on freight charges and "valuable time" in making prompt delivery. WRITE TODAY to our place of business nearest you for our "Special 1914 Consumers Prices" in ASSORTED 5-BAG, 10-BAG and TON LOTS of Cyphers Sealed-bag-brand, Balanced-ration, All-sweet-grain Poultry Foods—every bag, every ounce GUARANTEED TO POSSESS 100 PER CENT. FEEDING VALUE. Be sure to send for our Big, Free 244-page Complete Catalogue, entitled "Poultry Keeping in All Branches."

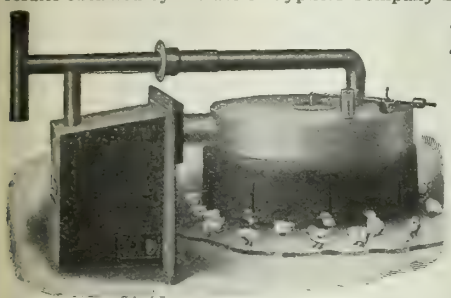
Test A Trial Order —Then You'll Know

THIS YEAR OF 1914 is a mighty good one, Reader, for you to "try out" the Cyphers Company Balanced-ration foods and FULLY TEST OUR CLAIMS. All sound, sweet grains that should be used for feeding chicks (newly-hatched or partly grown) ARE NOW HIGH IN PRICE—as you well know; yet the fact is that Cyphers Incubator Company has not increased its RETAIL PRICES, not as a rule. We still are selling at the same POPULAR PRICES that we have charged for years, the main difference being that this season we are working on a SMALLER MARGIN of gross profit than usual—and have to be satisfied. We could not change the popular retail prices of Chick Food, Developing Food, Growing Mash, etc., IF WE WANTED TO, and no one yet has been able to regulate the YEARLY CROPS or the ANNUAL COST of wheat, corn, hulled oats, kaffir corn, millet, etc.

RIGHT NOW, READER, our Sealed-bag-brand, Balanced-ration, Machinery-mixed Poultry Foods are costing us a GOOD DEAL MORE to manufacture THAN IS THE CASE in years when sound, sweet, wholesome grains COST LESS in the open market, yet we are selling our foods at the SAME POPULAR RETAIL PRICES as heretofore. Our present loss is YOUR GAIN, but we rely on the belief—on our PAST EXPERIENCE, that if you once begin to use Cyphers Company foods and thereby learn to KNOW THEIR SUPERIOR FEEDING VALUES, you will continue to use them year after year and thus will become a regular CYPHERS COMPANY CUSTOMER, not only for our mill products, but for OTHER STANDARD GOODS we manufacture.

ASSORTED ORDERS: To give our foods and our FEEDING METHODS a fair trial, we ask you to order a 5-BAG OR A 10-BAG LOT, made up of an ASSORTMENT of Cyphers Chick Food, Cyphers Developing Food, Cyphers Growing Mash and Cyphers High-Protein Meat Scrap. Make up EITHER ASSORTMENT (five bags or ten bags) according to the age and number of your chicks. On a 5-bag order we will save you part of the freight by quoting a LOWER PRICE than the single-bag price, while on ten bags (assorted) the reduction in prices will offset the freight to points STILL FARTHER from our Buffalo, Boston, New York City, Chicago, Kansas City and Oakland, Cal. warehouses.

WRITE TODAY TO OUR PLACE OF BUSINESS NEAREST YOU FOR LOWEST CURRENT PRICES AND FULL INFORMATION. Here is more down-to-the-minute evidence of the highly profitable results obtained by the use of Cyphers Company Sealed-bag-brand, balanced-ration Poultry Foods.



Cyphers Adaptable Hover

Fire-proof, Wind-proof, Insurable, Self-regulating and Automatic in Ventilation. Best Device in World's Markets for Use in Home-made Brooder Cases, Colony Coops, Roosting Coops and Portable Houses. Price, Complete, Safely Boxed for Shipment, $8.50 free on board cars at all our Places of Business, except Oakland and London. Oakland F. O. B. Price, $9.50. Entirely safe to order sample from this advertisement. Send order to place of business nearest you, thus saving time and most of the freight or express charges. Send today for our 244-page Free Catalogue.

From Eggs That Cost $1.00 Each

Glens Falls, N. Y., January 19, 1914.

Cyphers Incubator Co., Buffalo, N. Y.—

I have been operating one of your Adaptable Brooding Hovers in a piano box brooder house ***of my own design,*** and under this hover I placed chicks which I hatched from eggs purchased of the Aldrich Poultry Farm at the price of $1.00 each.

Some people would say that I was taking enormous chances, putting ***such expensive chicks under a brooder*** instead of a hen, but I would take chances with one of your self-regulating, self-ventilating, Adaptable Brooding Hovers ***a great deal quicker than I would with a hen.***

If you feed them right, the chicks entrusted to this brooding device are bound to live and grow from the very start, for ***where can you find better conditions*** for the growth of a chick? There is plenty of pure air every minute of the time that they are under the hover and no bottom heat to dry up the tissues in their little legs and give them leg weakness. Moreover, ***the heat is regulated to their exact needs*** by a positive and reliable regulator.

These Aldrich Farm chicks, fifty-six in number, were placed in this brooder the 9th of May, 1913, and out of the fifty-six ***I lost only two***—and that by no cause of the hover, let me assure you. At present these same chicks, or the pullets, are laying a sixty to eighty per cent. yield, and ***with the mercury down to fifteen and twenty degrees below zero*** for the last three days. This speaks well for the egg-laying qualities of the White Orpingtons and also shows that my chicks ***were not stunted by incorrect brooding or bad feeding.*** SCOTT B. COONS.

MORE RECENT REPORTS

"And Certainly Am Pleased"

New Market, N. J., January 4, 1914.

Cyphers Incubator Co., Buffalo, N. Y.—

I have been using your Sealed-bag brand of Poultry Foods since last October and certainly am pleased with them. ***They go quite a good deal farther than the feeds I have been buying locally.*** Part of the enclosed order is for myself and the rest for another party who is going to use your poultry foods ***on my recommendation.*** Cyphers Foods may cost a little more, but I have found that ***they pay best in the end.***

HERBERT L. DUNHAM.

"You Can Publish My Name"

Agra, Kansas, March 12, 1914.

Cyphers Incubator Co., Buffalo, N. Y.—

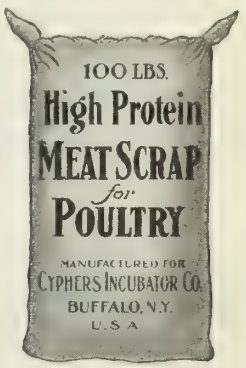
Enclosed find check for 200 pounds more of Cyphers Chick Food. Thank you for the twenty-four Cyphers Service Bulletins you sent me. ***They are much appreciated.*** I think your Chick Food is simply great—***the best by far of any make I have ever used.*** It consists of sweet-smelling grain, is free from dust or waste and the chicks ***eat it up to the last particle.*** For this reason alone it is cheaper and better than the kinds that are ***about one-third dust and hulls.*** You can publish my name in testimony if you wish to do so. GEORGE R. JIRS.

Feeds Meat Scrap In Hoppers

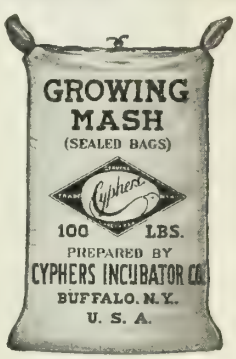
Grand Rapids, Mich., March 16, 1914.

Cyphers Incubator Co., Buffalo, N. Y.—

Have now used Cyphers Company food products for about one year ***and am well pleased,*** especially with the Chick Food and your High-Protein Meat Scrap. Am feeding the Meat Scrap in hoppers, ***as you direct*** in "Poultry Foods and Feeding." Am also using your deep-litter method ***and it keeps my fowls in fine condition.*** While the chicks were growing they were always in good shape, never sick, and our pullets began laying the sixth of November and have not stopped since. We now have ***a fine, lively lot*** of chicks that are thriving on your Chick Food. We expect to raise about three hundred chicks this spring and they are going to be brought up "the Cyphers Company way" ***and fed on your food products entirely.*** ANTON ANDERSON.
107 So. Diamond Ave.



Nothing short of fresh, finely cut green bone and ground meat CAN EQUAL Cyphers High-Protein Meat Scrap for the RAPID GROWTH and development of chicks that are one to four months old. Young chicks will grow remarkably fast when fed a small ration each day of this "meat food." It takes the place of the thousands of bugs, worms and insects that your chicks would find for themselves if they were out on free range. Try 50 or 100 lbs. and TEST OUR CLAIMS



The only SURE WAY to feed a correctly balanced ration is in "mash" or pulverized form—then the chicks simply have to eat it in the EXACT PROPORTIONS you give it to them; they CAN NOT possibly pick out just what they want, a grain of this, or a kernel of that. Cyphers Growing Mash, as the name indicates, is a balanced ration in mash form to be hopper-fed to chicks one month to six months old. One bag will PROVE OUR CLAIMS.

Sold by Agents If you live at points that are FAR DISTANT from our six places of business, please drop us a postal card or write us a letter and ask for the NAME AND ADDRESS of the nearest Cyphers Company selling agent who carries our SEALED-BAG-BRAND of foods in stock and therefore is prepared to fill your orders promptly. There are many such selling agents in the United States and Canada and they will be glad to SUPPLY YOUR WANTS—to give your valued orders PROMPT AND CAREFUL ATTENTION.

CYPHERS INCUBATOR COMPANY

Department 30, Buffalo, N. Y.

Branch Stores and Warehouses: NEW YORK, N. Y., 41 Barclay St. · BOSTON, MASS., 12-14 Canal St. · CHICAGO, ILL., 329-331 Plymouth Ct. · KANSAS CITY, MO., 317-319 Southwest Blvd. · OAKLAND, CAL., 2127-2131 Broadway · LONDON, ENG., 121-123 Finsbury Pavement

Blue Orpingtons Silver Campines

HAVING finished rearing, I offer my best Blue Orpington eggs—best in the world—at $12.50. Second pen $10 a sitting. Silver Campines, $8 and $5 a sitting. Several sound, healthy breeding pens, cock or cockerel and three hens (Blues), correctly mated, $40 each. Bear in mind—I was the introducer into America in 1911, at the Garden Show, N. Y., of Blue Orpingtons, and started all the big American breeders in this variety with my stock.

Birds and eggs shipped at once on receipt of order. Live delivery in New York guaranteed. I have no representative in America.

Max de Bathe, Hartley Court, Reading, England

Member Advisory Committee, Panama-Pacific Exposition, 1915 Vice-Pres. Poultry Club of England

The Common Sense Side of Buying My Tompkins' Strain Rhode Island Reds

Utility Birds

MY UTILITY BIRDS are straight Tompkins' strain, just as much so as my top notchers. They have got the blood, but they are not quite fancy enough to put them in the higher show grades. But for business purposes, we frankly believe, you will have a hard time to duplicate them—in fact don't believe you can do it for the price.

In my breeding of Reds, I have always worked towards keeping my birds a uniform, medium size, because it has been my observation that they make a better all around bird—lay better and dress more uniformly for the market. Don't make the mistake of putting too much stress on size; results are what you are after; the kind that makes a noise like money.

I never had a finer lot of Utility Birds or a better collection of Near Silks. Single Utility Birds, $3. Five or more for $2 apiece. Utility Eggs, 15 for $2, or $10 per 100. Near Silk eggs, 15 for $5, 30 for $8, 45 for $10, and $20 per 100.



This grand bird won first ribbon and shape special at the December, 1913, Madison Square Show, New York, against the strongest competition I have ever experienced.

MATING LIST

We have taken a little more pains this year in putting better descriptions in our mating list. In most cases you can order direct from it without correspondence. It contains all the prices on all our grades.

CATALOG

Whether you are going to buy any Tompkins' birds or eggs this year or not, you want our new catalog. We are not exactly bragging about it, but we do think it comes nearer being a real Rhode Island Red catalog than anything we have seen yet.

Show Birds

I grade my birds close. For example if any of my Top Notchers don't notch up, as they should, I promptly put them in the Near Silk class. Tompkins' birds have got to grade right up to the Tompkins' standard and that's all there is to it.

I am conducting my business up here on my little old farm at Concord, Mass., not in a fancy chicken farming way, but on exactly the same dependable, result-producing lines that were pursued by my father and which have resulted in birds of remarkably uniform dependableness.

By that I mean—Tompkins' birds started winning 12 years ago, and every year at every show where shown—they have made **leading winnings.**

I do not mix my strain. The birds you buy of me are Tompkins' strain. You can depend on it. I am not much given to "glowing enthusiasm" but it does seem to me that we never had a finer lot of Near Silks, Top Notchers and Special Top Notchers.

The demand for eggs was never better and there's an unusual request for fine pens. Happily we have a fair supply still. If you want a choice Top Notch cock we have several that are worth $50 if they are worth a cent. Send for particulars.

LESTER TOMPKINS

Tompkins' Rhode Island Reds

Concord, Massachusetts

SWEEPSTAKE CHAMPIONS

WILLOWS FARM S. C. WHITE

LEGHORNS

"THE FROST WHITE STRAIN" ESTABLISHED AN ALMOST UNBEATABLE RECORD IN THE LARGEST AND STRONGEST CLASS EVER ENTERED AT

THE GREAT INDIANAPOLIS SHOW, FEB. 2-7, 1914

We won **5** out of **6** firsts; we entered **25** Leghorns—**24** were prize-winners



BEAU BRUMMEL I

"The Greatest S. C. White Leghorn Sire in the Middle-West"

First Prize Pen Cockerel, New York, 1911. First Cock, Northern Indiana, 1912. Prize Old Pen, Chicago, December, 1913. First Old Pen, Indianapolis, 1914.

WE WON

Cocks, 1st, 2d—We had 2 entries
Hens, 1st, 4th—We had 2 entries
Ckls., 2d, 3d, 5th—We had 4 entries
Pullets, 1st, 2d—We had 2 entries
Old Pen, 1st—We had only 1 entry
Young Pen, 1st, 2d—We had 2 entries

SPECIAL for best cock
" " " male
" " " shaped male
" " " colored male
" " " headed male
" " " female in entire Leghorn class
" " " hen
" " " pullet
" " " shaped female
" " " colored female
" " " headed female

Princess Frost White, sired by Beau Brummel, established a world's record. She won 1st prize as pullet and **every special** in her class!!!

Jack Frost, sired by Beau Brummel, won 1st cock and **three specials.**

WHEREVER WE EXHIBIT WE ARE CERTAIN WINNERS

NEW YORK	CHICAGO	CHICAGO	INDIANAPOLIS
1911	1912	1913	1914

EGGS EGGS EGGS EGGS EGGS

8 pens headed by our very best Chicago and Indianapolis Prize-Winners, per sitting of 15, $5.00
8 pens headed by other Chicago and Indianapolis Prize-Winners, per sitting of 15 - - - $3.50
Eggs from our utility pens a matter of correspondence

Beautiful Catalog free for the asking. Write today.

THE WILLOWS FARM — **SOUTH BEND, IND.**

Frank E. Hering, Prop. : Harmon Bradshaw, Mgr. — LOCK BOX 488-B

THORNILEY'S ANCONAS

Specialty Breeder of
The Best Single Comb in America.

SHOW STOCK, CHICK EGGS AND LINE-BRED WINTER LAYERS FOR SALE REASONABLE. CIRCULAR FREE.

WILLARD J. THORNILEY R. D. No. 1 Box 36 MARIETTA, OHIO

JACOBUS' GOLDEN and SILVER CAMPINES

ORIGINAL INTRODUCER, with Experience, Show Record and Reliability Established and Assured. Consider carefully and start right. For best results you should have my strain. **LATEST WINNINGS:** Am. Campine Club Show, Phila., Pa., Dec., 1913, 205 birds competing, I won 3 1sts, 2 2nds, 5 3rds, 1 4th, 3 5ths, 11 specials, including Silver Cup. **Mad. Sq. Gar.,** New York, Dec., 1913, 198 birds competing, I won 4 1sts, 1 2nd, 2 3rds, 1 4th, 2 5ths and 4 specials.

M. R. JACOBUS Box 3-J RIDGEFIELD, NEW JERSEY

LINE BRED STERLING STRAIN HEAVY LAYING

RHODE ISLAND REDS

Won at Illinois State Show: 1st ckl., champion male and color special, 1st young pen, 2d old pen, 3d hen. Champaign, annual meeting of Central Illinois S. C. Red Club, class of 340 Reds, won: 3d ckl., champion male and color special, 1st young pen, 5th hen, 3d and 4th pullet, color special on female, $10 in gold, champion male, sweepstakes cup on best pen, $10 cup, best display.

EGGS, $2 per 15, $6 and $8 per 100 **Single and Rose Comb** CHICKS, $15 per 100

Give us a trial order and be a satisfied customer. Send for free mating list.

STERLING POULTRY FARM John Bressler, Prop., Harry B. Bressler, Mgr. BOX A, STERLING, ILL.

The Best S. C. White Leghorns in America

The Best S. C. White Leghorns in America, will, we honestly believe, be hatched from our matings this season. If you could see the marvelous quality in all our pens, you would say so too. We entered in 23 classes in four shows this season and won 1st in 20 classes and 2nd in the other three.

We have won more firsts, specials and other awards in the past four years at the Grand Central Palace, New York, Boston, Hagerstown and Philadelphia than all our competitors combined.

At the last **Palace, New York, show,** in what everyone conceded to be the strongest and best class of Leghorns ever exhibited in this country (don't take our word for this—look up the comments in any poultry paper), we won the display prize by over **1,000 points more than our nearest competitor, besides Best Pullet and display in the whole Show.** Our stock has not only won for us—it has won for our customers in most every part of this country and Canada.

Hatching Eggs 60c each from first 10 pens, everyone headed by a champion male; 35c each from pens 11 to 20, each headed by a prize-winner; 20c each or $15 per 100 from good pens headed by cracker-jack males. Send for catalog and mating list. Mention A.P.J.

DUNE-ALPIN POULTRY FARM

Geo. J. KERR, Manager Box 561-J, EAST HAMPTON, NEW YORK



May the Month to Hatch



Chicks that grow right off and cause you little trouble. Never has the demand for eggs for hatching been so great as this season. It seems as though everybody is going in for

U. R. Fishel's Wh. Plymouth Rocks

No wonder, when the White Plymouth Rocks are without a doubt the most **beautiful** and **profitable** of all fowls. Our mated yards this season are by far the best we have ever owned. **We have fourteen thousand eggs** in incubator to furnish you

Day-Old Chicks

that carry blood lines no other breeder can give you. We have **selected breeders** and **utility fowls** that will please the most exacting. Our White Plymouth Rocks have won the leading prizes at 23 **Largest Exhibitions** and **5 INTERNATIONAL EXPOSITIONS,** which upholds their claim as

THE BEST IN THE WORLD

Eggs, $10 per 15.
Sale Stock Eggs, $10 per 100; $6 per 50.
Baby Chicks, $25 per 100; $15 per 50; $8 per 25. **Catalog 25c**

U. R. FISHEL, Box A, HOPE, IND.

UNITED POULTRY FARMS, Inc., Hope, Ind., Scotch Plains, N. J.

STOCK **COLUMBIAN WYANDOTTES** EGGS

Beautiful, profitable winter layers—hardy. My birds win in shows, in poultry yard, and on the farm. Eggs, Pairs, Trios and Pens reasonable. Baby Chicks. Circulars free. Write your wants.

H. H. HEWITT Box 427 WILLIAMSBURG, PA.

EG-O Milk Albumen

55 to 60 per cent Protein. Made from milk.

Unequalled as an Egg Producer

Makes more and larger eggs; bigger and better chicks. Send for circulars.

INNIS SPEIDEN & CO.

Established 1816

120 W. Kinzie Street CHICAGO, ILL.

EGGS EGGS

Contrary to my usual custom, owing to the prevalent hard times, I will sell for the balance of the season my

BEST EGGS from my choicest matings at . . . HALF PRICE

My White Wyandotte Pens

are better than ever before, and it's a real opportunity to get quality unequalled for a low figure. Write promptly to get them in good season. Mating List free. Beautiful Catalog 15c.

ARTHUR G. DUSTON, Box 1020, So. Framingham, Mass.

Is every man a Devil

who carries a pitchfork?

No! Neither is every man selling Eggs and Baby Chicks selling "the goods that pay."

That Our 200 Egg Stock Pays

is fully known, hence our large sales. Three ribbons at Boston, 1914, on four entries. Our best layers our best show stock—every bird trapnested. We sell chicks for $20 per 100, pedigreed 200-248 egg stock; eggs $10 per 100. Others, chicks $15 per 100; eggs $7 per 100.

Barred, White and Buff Rocks, Reds, Wyandottes, Orpingtons, Leghorns.

Our Buff Rocks known the world over.

SUNNYSIDE POULTRY FARM

Box 1002 BRISTOL, VT.

THE KELLS FARMS

OFFER

Day-Old Chicks and Eggs

Bred-To-Lay Strain

PRICES

S. C. W. Leghorns

Day Old Chicks 15c each up to 100
" " " 12c " above 100
Eggs for Hatching $1.00 per 15
" " " 50-100 5c each

Anconas and Indian Runner Ducks

Carefully selected from finest strain

Bred-To-Lay Strain

700 Acres Devoted Exclusively to Poultry. Write for Circular.

THE KELLS FARMS

R. F. D. Box 82 New Paltz, N. Y.

WOOLERY FARM

White Orpingtons

Eggs from Chicago, Indianapolis, Cincinnati, Columbus, Ga., Indiana and Illinois State Fair Winners. New catalog free.

RALPH WOOLERY, Mgr.

Box A Bloomington, Indiana

ARE YOU READING

The Diary of a Commercial Hen?

Only Three Chicks Died in the First Three Weeks

THE COUNTRY GENTLEMAN

The Farm Weekly That Is Different

5 Cents the Copy, of all Newsdealers. $1.50 the Year by Mail

THE CURTIS PUBLISHING COMPANY

Independence Square Philadelphia, Pa.

DAY-OLD CHICKS

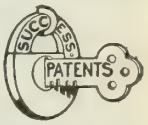
SINGLE COMB WHITE **LEGHORNS**

Exclusively. Pens of 100 chicks, $10. 100 eggs for hatching, $5. 50 high class pullets also 50 first class hens while they last, $1.00 each, or all for $95.00—a real bargain. Good cocks and cockerels at $2 each.

Chas. H. Whitney Delta, Ohio

PATENT YOUR INVENTIONS

If you have a new and useful invention don't delay securing protection. Write me today. Poultry devices a specialty. Experienced personal service.



LESTER L. SARGENT, Patent Attorney

716 12th St. Washington, D. C.

SKINNER'S STANDARD WHITE WYANDOTTES

Winners at Chicago, St. Louis and Indianapolis. Eggs from exhibition matings from now on at half price. Utility eggs $5.00 per 100. Send for catalogue and mating list. Mention A. P. J.

F. E. SKINNER Box A SANDWICH, ILL.

Single Comb White

ORPINGTONS

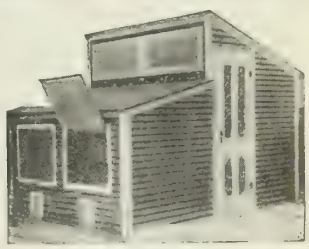
WINNERS AT BOSTON

Eggs half price balance of season.

WOODMAN-COLPRIT YARDS

1140 Mass. Ave. Arlington, Mass.

The Poultry House That Is Just a Little Better Than Others



Perfection Portable Poultry House

With this house your fowls are insured of vigor, better health, better egg yield, better fertility. You will have more hatchable eggs, more and better chicks, greater vitality and better growth in young stock, less danger from disease germs and comparative freedom from disease, thereby assuring greater profits.

Write today for catalog and prices

Stock and eggs for sale. S. C. Rhode Island Reds, Lester Tompkins' Strain. S. C. White Leghorns, Lakewood Strain. Show birds.

Perfection Portable Poultry House Comp'y

Phone Irving 225 4038 N. California Ave., Chicago

(In no way connected with any other Co.)

Write Red Sussex Farms, Marysville, Michigan, For Reduced Prices On Red Sussex Eggs.

Clemans' Columbian Rocks

Highest honors at Chicago, New York, Philadelphia, etc. All firsts at Columbus this season. Buy from the Originator and get the advantage of 12 years' selection for bone, size, color and practical qualities. Eggs $3.00 to $5.00. Circulars.

F. M. Clemans - Mechanicsburg, Ohio

WHATGLEN FARM Champion S. C. Black MINORCAS

Madison Square Garden, N. Y., Winners. Since 1906 birds of my breeding and of my line have won at the leading shows the country over. Their record is history—commending them for highest quality and greatest possible worth. I offer mated breeders, line bred, in any desired number, having the largest farm and largest stock. **Eggs for Hatching** from selected pens, $5 per 15. From special matings, $1 per egg. Write me your wants and for catalog, please. **Whatglen Farms, Frank McGrann, Owner, Hiram Demmy, Jr., Mgr., Lancaster, Pa.**



Riley's Barred Plymouth Rocks

Have been consistent winners at America's leading show MADISON SQUARE GARDEN

This season, in quest of new fields to conquer, they made a record of unparalleled importance at two of the largest Shows,

BOSTON—INDIANAPOLIS

It is one of the prerogatives of many breeders to boast of the laurels they have won, themselves, at different shows, with birds they have raised and shown, which only goes to show that they are raising birds of that description for themselves. I would rather boast of the fact that I am able to supply my customers with eggs from which they raise the winners. Here is an example:

Darien, Conn., Feb. 10, 1914.

Dear Sir: I am pleased to report result of hatch. Out of the eggs from Pen No. 4 we raised five Cockerels and two Pullets. With three of the Cockerels we won First and Second at Stamford, Conn., in the open class and the other Cockerel headed the First Pen. Judge C. H. Welles (who has judged at New York) pronounced him in a class by himself **and good enough to win at Madison Square Garden.** Yours truly, (Signed) P. G. SEXTON, Supt.

I have produced winners for my customers at Madison Square Garden, Boston, Chicago, Buffalo, St. Paul, Los Angeles, etc., and I can do it for you. Before making your final decision where to purchase your eggs, send for my illustrated mating list, and be convinced.

"NOTE: Through an error in my Mating List, I have failed to credit the ownership of the 2nd and Undercolor Special Cockerel at Boston, as belonging to Mr. George D. Thompson, Jr., R. 1, Hope, R. I. I stated that this bird won 4th, which was a mistake. This being a bird of my strain, Mr. Thompson allowed me to refer to this winning in my Mating List, and I desire to give him full credit for the grand birds which he owns."

HENRY D. RILEY Box B Strafford, Chester Co., Pa.

YOU (Whoever You Are) CAN MAKE MORE MONEY

from "The World's Best"

White Wyandotte Eggs for Hatching

HOW?—you ask. AND WHY?

The quality of the birds determines the quality of the eggs. Eggs from flocks of **such uniform excellence** as Fishel's White Wyandottes will produce poultry that is a credit to any one, and that are **profitable.** No uncertainty about Fishel's Wyandotte Eggs; they are right, they must be right.

THE WORLD'S BEST may not be cheapest to buy, but are the cheapest to use for hatching. You can buy eggs for less money, for a smaller sum on the start, but, what about the "wind up"? What about **results?** There's where you appreciate the quality you have purchased when you buy eggs from our yards.

When you pay $5.00 for a sitting of fifteen (from our best breeding pens) we know this man wants quality and we see that he gets it.

If you buy eggs from our fine flocks of free range White Wyandottes, for $10.00 per 100, we give you more for the money than you can get anywhere else. How can we do it? From a lifetime of experimenting, of perfecting, of selecting, and mating, and selling. From our experience with White Wyandottes we know what the fowls must be.

We've told you about our White Wyandottes, their show record, etc., that we know you have not been able to remember all of them, but, if you want more evidence, more proof before you buy, send for our catalog. If you want eggs promptly, then order direct from this ad. First come first served.

J. C. FISHEL & SON, Box A, HOPE, IND.

UNITED POULTRY FARMS, Inc.

Eastern Office, SCOTCH PLAINS, N. J. **Western Office, HOPE, INDIANA**

RED SUSSEX

CARVER'S RED FARMS, SEVILLE, OHIO

GOLDEN CAMPINES

SINGLE AND ROSE COMB RHODE ISLAND REDS

RAISED ON SEPARATE FARMS RAISED ON SEPARATE FARMS

Winners at Madison Square Garden, Chicago, Buffalo, Cleveland, Ohio, A. P. A. Shows. All our exhibition matings headed by winning males at one or more of the above shows. Write for our great **Down to Rock Bottom** egg prices, and **Fertility** guaranteed. They will open your eyes and save your pocketbooks.

A. A. CARVER, Specialty Breeder -:- SEVILLE, OHIO

BLUE ORPINGTONS

And the Man That Made Them

If you require Blue or Cuckoo Orpingtons, either birds or eggs, **then why not the best?** For which you will come to the **originator** of these two varieties, only address as below.

Write for our 1914 Catalogue

WM. H. DEPPER, Organizer and President of the Blue Orpington Club

ART. C. GILBERT, Originator of the Blue and Cuckoo Orpingtons

Orpington Eggs—Blue, Cuckoo, Black, Buff, White, $15 from No. 1 Pens; $10, No. 2 Pens; $5, No. 3, per Setting. Red Orpingtons, $20 a Setting.

PINE LODGE FARM CO., SOUTH LINCOLN, MASSACHUSETTS





MISS CAREY

Her Stud wins honors at the Dairy Palace Club Shows 6 successive years. (Write for Stud Record)

SHOW BIRDS - from **$10** EGGS for HATCHING from **$ 5**

BREEDING PENS from **35** DAY OLD CHICKS - from **10**

[Chicks from Heatherwood Farm only]

ORPINGTONS	FAVEROLLES	LEGHORNS	CAMPINES	SUSSEX	DUCKS
Buff, White, Blue	Buff, White	Buff, White, (260 egg strain)	Silver, Golden	Red, Speckled	Indian Runners Buff and Blue Orpington

ALL BREEDS OF POULTRY, WATERFOWL, DOGS AND PONIES EXPORTED TO ORDER

Book your orders today. Remember this is one of the leading export yards in the world and one that holds a world-wide reputation for the quality of stock supplied and wins secured by customers, and fair dealing. Hundreds of birds are exported annually in a wide variety of breeds, and we satisfy our customers in each one so they come again. **Won't you send us a trial order.** Write to England for my latest price list.

TOYNTON, SPILSBY, ENGLAND or HEATHERWOOD FARM, FLORHAM PARK, NEW JERSEY, U. S. A.

Cable: Carey, Spilsby

NONPAREIL

Barred Plymouth Rocks

Win at the Great N. Y. Palace Show

With 213 birds competing of the usual **New York Quality,** our birds won **First Prize Hen** and **Sweepstake Championship Special Medal for Best Hen in the entire Show;** Special for best shaped Female; **Second** Cock; **Second** Cockerel; Fifth Pullet; **Special First** Pullet-bred Pen; **Special Second** Cockerel-bred Pen; **Special Second** Pullet-bred Cock; **Special Third** Pullet-bred Cockerel; **Special First** Cockerel-bred Hen, **Special First** Cockerel-bred Pullet.

Spratts Silver Cup for Best Exhibit; Special Champion Female, etc.

Line Bred Since 1883

and winners at Boston, Philadelphia, Chicago, Washington, Toronto, etc., of over 1200 Prizes in our own hands. This year they are better than ever. We have a large stock of quality birds and can supply your wants. Mated Trios and **Pens a Specialty. Write your wants and get our prices.**

Eggs For Hatching

From the **Best Pens** we have ever mated at **$5.00** per setting straight. Send for our descriptive mating list, it's free, write now. When writing mention Am. Poultry Journal.

SCHWAB BROS. BOX 451 IRONDEQUOIT, N. Y.

$500.00 IN CASH GIVEN AWAY

By The American Poultry Journal Publishing Co.

In order to secure more subscribers to AMERICAN POULTRY JOURNAL and secure them quickly, we are making one of the most liberal offers it has ever been your good fortune to receive—READ IT THOROUGHLY.

To the man or woman, boy or girl, who sends us the largest number of subscriptions before June 15th, 1914, we will give $200.00 in cash.

To the one sending in the second largest number of subscriptions, $150.00 in cash.

To the one sending in the third largest number of subscriptions, $100.00 in cash.

To the one sending in the fourth largest number of subscriptions, $50.00 in cash.

To the next six largest lists of subscriptions, the following prizes will be given:

Fifth Prize—150-Chick Simplex Feather Brooder.
Sixth Prize—100-Chick Simplex Feather Brooder.
Seventh Prize—50-Chick Simplex Feather Brooder.
Eighth Prize—20-Quart Simplicity Kant-Klog Feeder.
Ninth Prize—10-Quart Simplicity Kant-Klog Feeder.
Tenth Prize—6-Quart Simplicity Kant-Klog Feeder.

In case of a tie the value of the prize will be divided. All subscriptions mailed before midnight of June 15th and bearing the postmark of that date will be counted in the contest. In this manner those living at a distance have an equal chance with those residing nearby. Prizes will be awarded June 20th and list of winners given in the July issue of American Poultry Journal.

BUT THAT IS NOT ALL

In addition to these Grand Prizes you receive a liberal commission on every subscription. All subscriptions must be taken at the full subscription price of One Dollar per year or THREE YEARS FOR $2.00.

For every one year subscription you keep 25c commission. Send us 75c together with coupon properly filled out and receive ONE COUNT on the contest.

For every THREE YEAR subscription you keep 50c commission. Send us $1.50 together with coupon properly filled out and receive THREE COUNTS on contest.

In addition to this you can sell copies of the AMERICAN POULTRY JOURNAL YEAR BOOK FOR 1914. This is the greatest poultry book for ready reference, read all about it on page 774 of this issue of American Poultry Journal. The book sells at 50 cents per copy paper bound and $1.00 per copy cloth bound. It will cost you 30c paper bound and 60c cloth bound.

You can also take orders for the book in combination with AMERICAN POULTRY JOURNAL at the following prices:

AMERICAN POULTRY JOURNAL ONE YEAR and the YEAR BOOK for 1914 paper bound, $1.25.
AMERICAN POULTRY JOURNAL THREE YEARS and YEAR BOOK for 1914 cloth bound, $2.50.

If taken at these prices you send us ONE DOLLAR for American Poultry Journal for 1 year and the paper bound Year Book and receive credit for one count on the contest, and send us $2.00 for American Poultry Journal for 3 years and the cloth bound YEAR BOOK and receive credit for three counts on the contest.

A Good Inducement

If you want to make the best of your time and secure the most subscriptions to win the first cash prize of $200.00 you will find it profitable to offer a copy of the AMERICAN POULTRY JOURNAL YEAR BOOK for 1914 FREE with every subscription to AMERICAN POULTRY JOURNAL. Offer a paper bound copy free with every one year subscription at $1.00 and a copy of the De Luxe cloth bound edition of the book Free with every three-year subscription at $2.00.

It will cost you nothing to do this, as you are only giving the subscriber the advantage of your commissions, at the same time you are giving him greater value for his money than he can secure elsewhere at this time—you save him twenty-five or fifty cents—he helps you on your way to win the $200.00 cash prize. Try it and see how easy it will be to get subscriptions to the ONE GREAT POULTRY PAPER OF AMERICA.

How to Approach Prospective Subscribers

There are various means employed by different people in approaching a prospective purchaser. Many people would rather "take a licking" than ask a man to buy something. They are weak—lack nerve—need someone to push them along and usually are found on the bottom rung of the ladder to success. The man who lacks the "get up" to ask another man to subscribe to the AMERICAN POULTRY JOURNAL in order to assist him to win one of the cash prizes, certainly shows a lack of nerve. The AMERICAN POULTRY JOURNAL was established in 1874—it is the oldest poultry paper in AMERICA—is published monthly and contains about 1800 pages per volume (12 months). It is the largest poultry paper in the world and is profusely illustrated with pictures of prize winning poultry and drawings of houses, etc, which are of interest to poultrymen. The many interesting articles written by Dr. Prince T. Woods (managing editor) and many other writers of national reputation as successful poultrymen are worth many times the subscription price of AMERICAN POULTRY JOURNAL, and when these articles are brought to the attention of the prospective subscriber, together with an offer to give a copy of the great AMERICAN POULTRY JOURNAL YEAR BOOK for 1914 FREE with the subscription, you can rest assured that you will not be turned down.

The best evidence we have of the apparently easy way in which subscriptions are secured to the American Poultry Journal is a letter written to us by a prize winner in one of our former contests, Mr. C. E. Hartman, of Stewartstown, Pa. He writes us as follows—(read his letter carefully):

EASY AND PROFITABLE PASTIME.

I will endeavor to give my experience in soliciting for the American Poultry Journal. I first started out to get six subscriptions for a special prize, and behold, when it came, why here came a list of the prizes to be given out for the largest number of counts sent in during the contest. I looked it over carefully and decided to go right after one. So I just stuck a Journal in my pocket and started to work, asking every person I came across, and I found it no hard task to secure the counts which won first prize. I would look carefully over the Journal and explain what was in it and next I would write him up, either for one or three years. Some days I would get many names and get them all between working hours.

But whoever goes out soliciting for the American Poultry Journal will not go amiss, as it certainly is the best poultry journal that is bound between two covers. As I am a breeder of White Orpingtons and also a new beginner in the business, it was a delight for me to solicit for the American Poultry Journal. I think it taught me many interesting points that perhaps I would have had quite a time finding out. Experience is what I want, and that is what the American Poultry Journal will teach you.

C. E. Hartman.
Stewartstown, Penn.

See other page for special prizes and directions

GENERAL DIRECTIONS

All subscriptions taken to AMERICAN POULTRY JOURNAL must be taken on the merits of the paper. The subscriber must pay ONE DOLLAR for a one year subscription, or TWO DOLLARS FOR A THREE YEAR SUBSCRIPTION. The agent may offer a copy of the YEAR BOOK for 1914 FREE with every subscription as per previous mention.

The agent must remit to the publishers of AMERICAN POULTRY JOURNAL 75 cts. for every one year's subscription without any book and for such a subscription he will be credited ONE COUNT on the grand prize contest. He must remit $1.00 for a one year subscription and a copy of the YEAR BOOK paper bound and for such a subscription he will be credited ONE COUNT on the contest. For every THREE YEAR subscription without any book the agent must remit $1.50 and for such a subscription he will be credited THREE COUNTS on the contest. If a cloth-bound year book is to be sent to the subscriber with the subscription, then the agent must remit TWO DOLLARS and he will be credited with THREE COUNTS on the contest. (Note that subscriptions only are counted on the contest, and not book orders.)

Every agent will be furnished with the necessary coupons and sample copies upon request. If coupons run out send for more—if they don't reach you shortly, send in the names on a list but be sure to put your name and address on this list so that we know who sent it in.

All subscriptions which are mailed before midnight of JUNE 15th, 1914, will be counted on the contest (thus giving those living at a distance an equal chance with those residing nearby). All contestants will be informed from time to time just how the contest is progressing—where they stand, etc. This information will be given to all who state their desire to enter this great $500.00 CASH contest. Remember, EVERY-ONE GETS A PRIZE who enters and sends at least five subscriptions.

CANADIAN SUBSCRIPTIONS require 25 cts. per year extra for postage.

FOREIGN SUBSCRIPTIONS require 50 cts. per year extra for postage.

RENEWAL SUBSCRIPTIONS COUNT THE SAME AS NEW SUBSCRIPTIONS. YOUR OWN SUBSCRIP-TION COUNTS THE SAME AS ANY OTHER.

Coupons May Be Distributed by Mail

If you have friends living in other cities who are interested in poultry or who have other acquaintances who are interested in poultry, sign your name as agent to a supply of CONTEST COUPONS and mail them to these friends telling them how they can assist you to win one of the $500.00 cash prizes by filling in one coupon themselves—getting a few of their friends to subscribe and sending the coupons together with remittance either back to you so that you can send them to us, or, they can be sent direct to us and we will credit you with the subscriptions just the same as if you sent them in yourself. When calling on your friends in this manner BE SURE THAT YOU WRITE YOUR NAME AND ADDRESS ON THE COUPONS AS AGENT.

Cash Prizes

First Prize . $200
Second Prize $150
Third Prize $100
Fourth Prize $50

Six other prizes—See other side.

How to Become an Agent

Everyone sending us two or more subscriptions will be considered an agent and eligible to secure one of the GRAND PRIZES. Simply send in your subscription (new or renewal) together with one more and you have qualified as agent and are entitled to agent's prices on books and subscriptions until June 15th, 1914. TAKE ADVANTAGE OF THIS FACT; you may never have another opportunity like this to get agent's prices and a chance to secure one of the $500.00 CASH prizes.

(Agents must send in their subscriptions at least once every week; we would appreciate it if agents would send in on Saturday and Tuesday of each week regardless of how few subscriptions you have to send in. Make all remittances by Postal or Express money order and keep your receipt in case of complaint.)

SPECIAL PRIZES—For the first five subscriptions which you send us to count on the grand prizes we will send you one 10-qt. Simplicity Kant Klog Poultry Feeder.



This feeder should be part of the equipment in every poultry yard. It feeds your chickens automatically without care or attention on your part—it never clogs up—never gets out of order—is always on the job and you can go away for days at a time and rest assured that your birds are being fed properly. This feeder is made of heavy galvanized iron—well constructed—simple, yet mechanically perfect—and will reduce your feed bills by saving grain. No sparrows or rats can get at the feed in a SIMPLICITY KANT KLOG POULTRY FEEDER. No grain is left lying on the ground to get soggy, filthy and unfit to eat by the chickens. This feeder feeds your birds clean, fresh feed when they want it, never too little, never too much. Go to four of your friends, show them a copy of AMERICAN POULTRY JOURNAL, tell them about the great AMERICAN POULTRY JOURNAL YEAR BOOK FOR 1914, ask them to subscribe, then send in these four subscriptions, together with your own (NEW or RENEWAL), and receive one of these great time and money saving 10 qt. SIMPLICITY POULTRY FEEDERS.

REMEMBER—These five subscriptions will also count on the grand prizes and that one of these feeders is given only for the FIRST FIVE subscriptions sent in by a contestant in order to give everyone a prize if they are not fortunate enough to win one of the $500.00 Cash prizes.

WHAT AN AGENT CAN DO WHO IS WILLING TO HUSTLE

I, being a raiser of fine bred poultry, and an Agent of Poultry Supplies, one day while reading the "American Poultry Journal," the thought came in my mind that I could get a good many subscriptions for the "Journal" among my customers.

So I entered the Contest in January, 1909, and started in to win the Pony Rig, which was the First Prize. I kept the lead for January, February and March, then I was taken sick with Grippe and was laid up for two weeks. During this time, Mr. Hartman of Pennsylvania got in ahead of me, and when I got on my feet again it was "nip and tuck" between us until the Contest closed, on the 19th of June. He winning the First Prize and I the second, *One Hundred Dollars* ($100.00) *cash*. Mr. Hartman winning by about forty counts.

I felt a little discouraged in not winning First, as I am sure that I would have done, if I had not gotten sick and lost the two weeks' time. However, I worked for the Company all through the summer months, selling the "Journal" on commission, and when the Fall Contest started September 10th, I started in again, keeping the lead for September, October and November, when Mr. Jackson of Massachusetts ran in ahead of me, keeping the lead through the balance of the Contest. He winning First Prize, Two Hundred Dollars ($200.00), and I winning Third Prize, Fifty Dollars ($50.00). But Mr. Jackson worked in quite a different way from me, having *other* agents under him and most of his subscriptions were for three years, which gave him four counts on each subscription. Mine were all *one year* subscriptions, and I got only *one* count on each of them.

The next Contest opened on January 1st, 1910, but I did not enter it until the 10th of the month, as I was undecided as to whether to enter or not; but after thinking the matter over, I decided to make another break, so started in. The Company put up fine Specials for January, February, March and April—a $20.00 Brooder Incubator, or a Pen of Fowls for First Prize, $15.00; Brooder, Incubator, Pen of Fowls for Second prize, $10.00; Incubator, Brooder or Pen of Fowls, Third Prize.

I winning First for each month, and a Watch for May. This being the Second watch I won. When the Contest closed I became possessor of the First Prize, which was one of Wing & Sons Circassian Walnut Pianos.

All the prizes that I won were well worth working for, especially the Piano. It is Wing & Sons Concert Grand, which is certainly a very fine Piano, and my wife being a pianist and organist, has given it a good trial, as I made the Piano a present to her for Christmas, and she is more than pleased with it.

The Piano case is very handsome, being Circassian Walnut with a beautiful grain, and it is an ornament for anybody's parlor.

I can say that any agent that works for the "American Poultry Journal" Publishing Company, will be *well paid*, as they certainly keep up to what they *agree* to do.

Yours very truly,
Arthur S. Johnson.

51 High St., Mt. Clair, N. J.

Now, if you want part of this $500, send for sample copies and other supplies—then start in. Address communications to

Contest Dept., American Poultry Journal, 542 S. Dearborn St., Chicago, Ill.

Our Great =1914= Offer BUSTED PRICES!!

BANG!!

WIRE & FENCING PRICES

ROOFING PRICES

LUMBER PRICES

BUILDING MATERIAL PRICES

Never again will such remarkably low prices exist. Don't delay—send your order at once. Act now.

ROOFING

Corrugated STEEL ROOFING
1¼c Per Square Foot

Here is the chance of a lifetime to buy the best roofing in the world, at a mere fraction of its real value. Our enormous buying power enabled us to pick up for spot cash a stock of this brand new, perfect corrugated, "V" crimped and Standing Seam Roofing and Brick Siding, at a tremendous sacrifice—way under what it is actually worth. Immediate cash needed made possible this purchase. Just another chapter added to the long list of our famous bargain sales.

Corrugated STEEL ROOFING
Practically Indestructible



There is nothing else that compares with corrugated steel roofing for real protection. It makes a long, lasting roof. Is fire, rain, frost, wind, sun and lightning proof—warmer in winter—cooler in summer; and under ordinary circumstances does not leak, rot or warp, neither does it taint rain water. You can depend upon it that Corrugated Steel is the best material for roofing, siding and ceiling.

At 1¼c per square foot, we furnish our grade CE-700 Steel Roofing, in sheets 22x24 inches ±1¼ inches. This price is delivered on board cars at Chicago.

Galvanized STEEL ROOFING
2¾c Per Square Foot

Another big Steel Roofing Bargain. Several thousand squares of the very highest grade specially coated, corrugated, galvanized roofing and siding, made of specially prepared steel, of superior quality. Best roofing and will last indefinitely. We'll furnish it in suitable lengths for any purpose. Only a limited quantity on hand, so we urge you to send us your order immediately. Don't wait to write us again—order today, while this stock exists. Price only 2¾c per square foot, and will outlast 4 to 1. Just drop us a line, and tell us the size of your studding and general facts, and we will help you to select proper sheets. If you are not ready to use the material now, we will reserve it for future delivery, if you will give us a small deposit on account. This price of 2¾c per square foot is for our Lot CE-800 corrugated material, and is delivered on board cars at Chicago. If you prefer some other style, we will furnish it. We have this same grade in "V" crimped, Standing Seam and Brick Siding. Samples on application.

Ready Roofing With Supplies
62c Per 108 Square Feet



We have several thousand squares of a superior quality Ready Roofing, which we are offering in our AJAX BRAND, 1-ply, at a price of 62c per square of 108 square feet, including necessary cement and caps to lay it. This is undoubtedly the most remarkable bargain ever offered in Ready Roofing. This famous brand is put up 3 or 4 pieces to a roll.

The price of 62c per square of 108 square feet is loaded on board cars at Chicago. We will, however, make a freight prepaid price on this same grade of roofing, including nails and necessary cement of 85c per roll of 108 square feet, and at this remarkably low price

We Pay the Freight

in full to any point east of Kansas and Nebraska and North of the Ohio River.

We will also furnish 2-ply, at 90c; 3-ply, at $1.05.

This Ajax Roofing is guaranteed to wear as long and give as good service as any Rubber Surface roofing on the market.

SEND FOR SPECIAL ROOFING CATALOG AND SAMPLES

Write at once for our Special Roofing Catalog. Free samples and full instructions for laying roofing.

Chicago House Wrecking Co.

Now operated under the name of Harris Bros. Company.

For 22 years the Chicago House Wrecking Company has been well and favorably known to the public. During all these years the four Harris Brothers have been the executive officers and owners, and for that reason have finally decided to operate under the name of HARRIS BROTHERS COMPANY.

There is no change in our business, except that in the future the four Harris Brothers will advertise and sell their goods heretofore advertised and sold under the name of Chicago House Wrecking Company, under the name of HARRIS BROTHERS COMPANY.

Our Guarantee

We guarantee absolute and complete satisfaction. There is no half way about this guarantee. Every purchase you make from us will be exactly as represented, and you will be satisfied in every way, or we will make such just amends as are within our power. We will take back any unsatisfactory article at our freight expense both ways and refund the purchase price. We refer as to our responsibility, to the publisher of this or any other publication, any bank or express company, and to the public at large.

FENCING

Brand New WIRE FENCING Less Than 1 cent Per Running Foot



Biggest of all offers of the past. We come to you with the most wonderful proposition ever known, and offer you the very best woven wire fencing at a fraction of its real value; lower in price than ever before, notwithstanding that all other merchants and manufacturers have advanced their prices on fencing. We are determined to simply get all the business in sight, and with that in view, we bought up from manufacturer's sales, 150 carloads of High Grade Woven Wire Hog, Cattle, Field and Poultry Fencing, Barb Wire and Nails, in quantities sufficient to take care of our regular customers and those who will quickly respond to this advertisement.

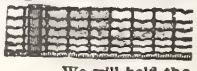
Barb Wire Less Than 2c Per Rod

Galvanized, two-point Barb-Wire, full weight (not the light kind) put up regular on spools, containing about 100 lbs. to a spool. It is made of No. 12½ wire, with good weight barbs. Price per 100 lbs. during this sale, only $1.95. Order by Lot No. CE-600. Several thousand spools of this Barb Wire, Painted, price per 100 lbs. $1.75. Order by Lot CE-500. Also have in stock 1000 spools of light weight, new galvanized barb wire, put up 80 rods to the spool, made of No. 14 galvanized wire No. 16 barbs, barbs 5 inches apart; price per spool of 80 rods $1.45. Lot CE-400. We also have several other bargains. You never had a chance like this before, and we advise that you send us your order today. Don't wait until the material is sold—we cannot hold this quotation open.

GALVANIZED HOG FENCING AT A MATERIAL REDUCTION IN PRICE

100,000 rods of 26 in. Galvanized Steel Spring Wire, 26 in. high, hog fence, put up in 10, 20, 40 and 60 rod rolls, made with 7 bars, spaced 12 in. apart, with No. 9 top and bottom wires, No. 11 intermediate wires, heavier than the regular fencing offered. Price per rod, during this sale, only 15c. Order by Lot CE-900. Same fencing spaced 6 in. apart, per rod during this sale, only 21c. Order by Lot CE-1000. Other heights at proportionately low prices.

High Grade Poultry Fencing 48 in. High PER ROD 27c



A complete stock of all heights of Woven Wire Fencing for every purpose. Do not delay your order, but send it in at once, even if you are not ready to have it shipped. We will hold the material ready to deliver when you want it.

Smooth Galvanized Wire $1.00 per 100 lbs.

Sold "as is," as near as possible one guage only to the coil. Our price of $1.00 per 100 lbs. is in lots of 1000 lbs. Where ordered in other quantities our price for gauges 9 to 12 per 100 lbs. $1.25. 16,17,18 gauges, $1.45.

SOME BIG BARGAINS IN NAILS

At last we have the bargain of bargains. 10,000 kegs of genuine galvanized wire nails; will outlast all other kinds. Put up in regular kegs. Price per keg of 100 lbs., as follows:—

10 pennyweight, $2.00	8 pennyweight, $2.10
6 pennyweight, $2.15	Shingle Nails $3.00

Also 5,000 kegs of Nails, mixed all kinds in a keg; good assortment, handy to have around your workshop. During this sale only, per 100 lbs., $1.38. Order by Lot CE-1100. We have other bargains in nails.

Also, in the same job, we have 5,000 kegs of Fence Staples, galvanized, per keg, $2.00. Lot CE-1400.

Crimped wire for reinforcing, cut to any desired length; per 100 lbs., $2.00 Lot CE-1300.

We have bargains in every line. Write us today for our Wire and Fence Catalog, but the best thing for you to do is to send your order now, and we will hold for shipping instructions.

LUMBER

Complete houses and barns at an enormous saving. Never before in the history of Building Material has such an opportunity existed. We offer high grade, brand new complete lumber and building material needed for the construction of houses and barns at lower prices than ever before.

20,000,000 Ft. of New Lumber at Our Yards and Warehouses ready for Quick Delivery

We have upwards of twenty million feet of first class, brand new lumber for the construction of buildings of every kind. A wonderful stock of the very finest millwork, interior trim, etc.—enough material to construct cities and villages everywhere. It is our determination that 1914 will be the "Banner" year in the history of our Great Lumber and Millwork department, and the way we will accomplish this, is by quoting prices that undersell any possible competition. The proof of this is in our catalog and literature.

Write today and tell us what you contemplate improving or building during this Spring—talk to us plainly, and we promise you the advice straight from the shoulder. No other concern in the world is equipped such as we are. Right in our main yard and warehouses, at Chicago, we can load you out complete, at one time, and in one carload, every single article required for the improvement of the building you have in mind. No where else can you go and get such service.

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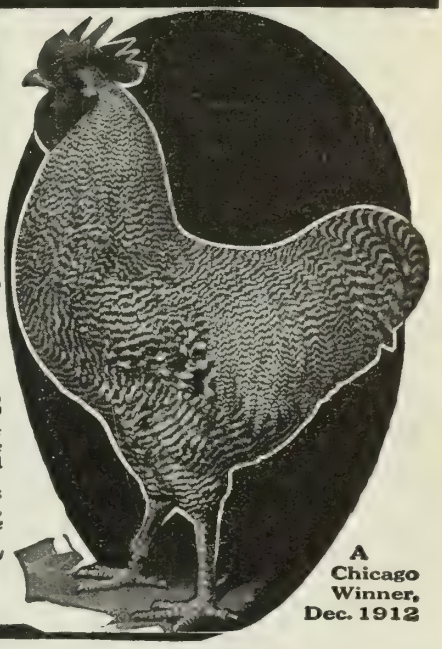
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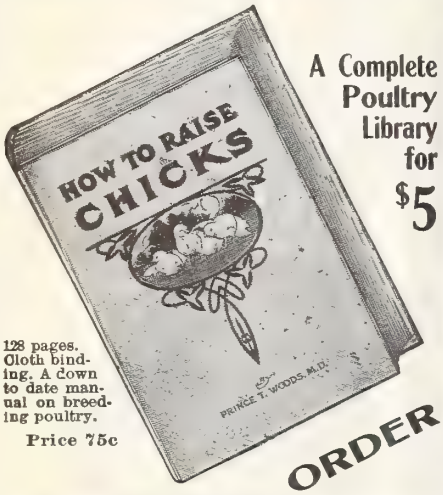
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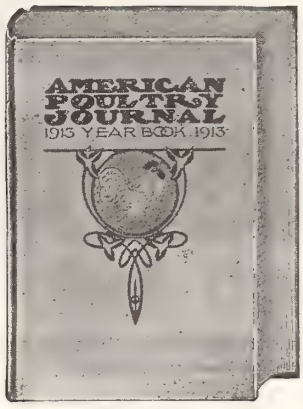


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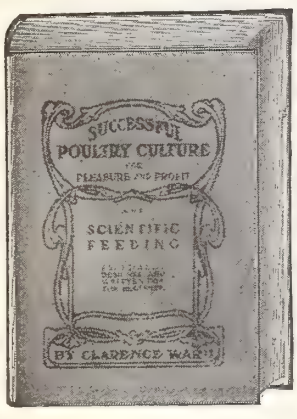
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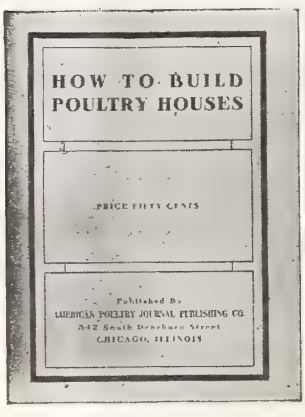
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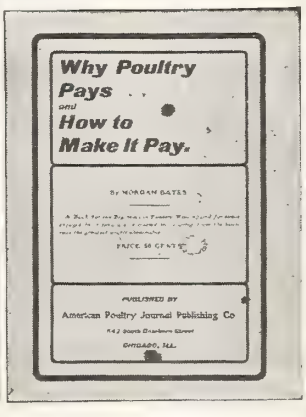
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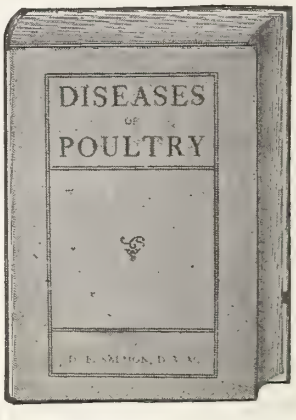
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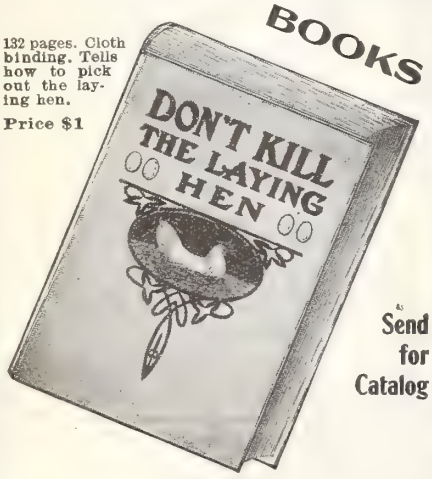


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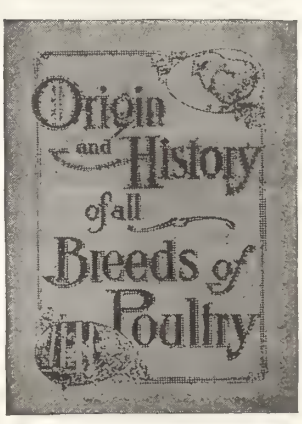
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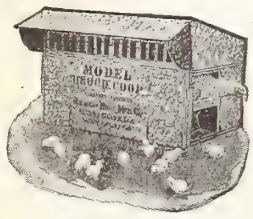
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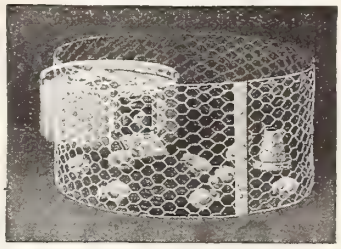
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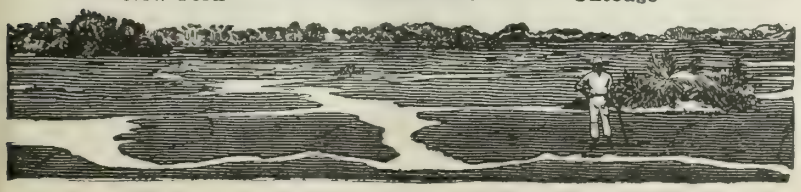
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The lice question is quickly settled if you dust your fowls with

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It's safe, quick and sure.

Saves your poultry profits because it

Kills the Lice
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For the mites that hide in the cracks by day and prey on chickens at night, spray your poultry house with

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Cleans them out thoroughly. Quart 35 cents, half gallon 60 cents, gallon $1.00.

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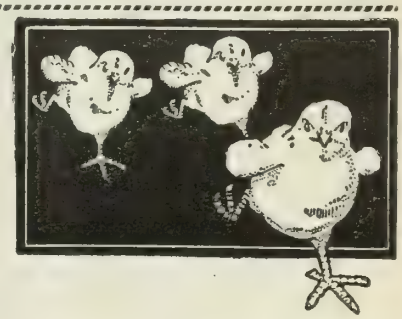
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Then watch results. There's no better grit—no better egg maker—no better health food for all poultry than

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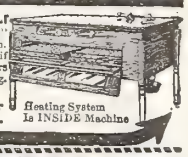
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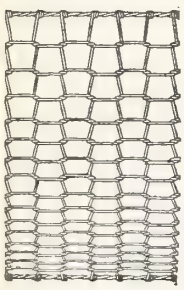


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POULTRY FENCE

22½ CENTS A ROD



48 inches high. Has 4½ inch mesh and graduated spacing of line wires from 1⅛ at bottom to 3⅞ inches at top. Fewer posts and no base board or top rail required.

STRETCHES UP LIKE A FARM FENCE

27¾c for a 48 inch Combined Poultry and Stock Fence made of heavier wire and 6 inch mesh.

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The Old Reliable

LAMBERT'S

Death-to-Lice Powder

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O. K. Stock Food Company
501 Traders Building, Chicago

Read page 774 right now & Its a dandy

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S. C. White and Buff Leghorns

Eggs for Hatching Our 1914 matings of Monmouth Prize winners are producing eggs from which some wonderful leghorns will be hatched. Place your order now for one or more settings. Orders for eggs from our "20th Century Dual Purpose" matings accepted for 100 and 1000 lots. 85 per cent fertility guaranteed.

Baby Chicks We ship lively and hardy day-old chicks any reasonable distance. Orders for delivery from February 1st to July 1st. See our mating list.

Breeding Stock — Prize Winners Choice Leghorn Breeders and Exhibition birds for sale. Look up Monmouth Farms' Show record.

Write for Free Catalog New catalog gives full description of winnings, matings, etc. Contains a beautiful color-plate insert. Write today for a copy—free.

"The Twentieth Century Dual Purpose Fowl"

Monmouth Farms J. C. Punderford, Owner Thos. Lockwood, Supt. **Box 23, Freneau, Mon. Co., N. J.**

Shipped Chicks 2100 Miles

Read These Letters:

I am writing to let you know that a shipment of 100 baby chicks sent by me on March 13th to Bassano, Alberta, a distance of over 2,100 miles, arrived in good shape, which goes to show that Candee Chicks are right on the job as far as vitality is concerned. We are more than satisfied with our Candee Hot Water Brooder System, and for the past five days have only had two chicks die out of approximately seven hundred.—**Thos. G. Delamere, Stratford, Ont., Canada.**

I would not be without your incubator as it is no trouble at all. It regulates itself.—**Walter Rausenberger, Souderton, Pa.**

The hatches are coming near perfection.—**Ralph W. Doane, Harwichport, Mass.**

I am as much in love with the incubator as ever.—**Mrs. Dell Ziegler, Union Mills, Ind.**

The Candee is working fine.—**James Thomas Nettles, South Weymouth, Mass.**

Just pulled off a hatch of 414 chicks out of 480 fertile eggs, which is not bad, I think.—**E. N. Lemon, Lynchburg, Ohio.**

We have now been running over one month and up to the present 83% of the eggs set have been hatched.—**Summit Poultry Farm, Ridgely, Md.**

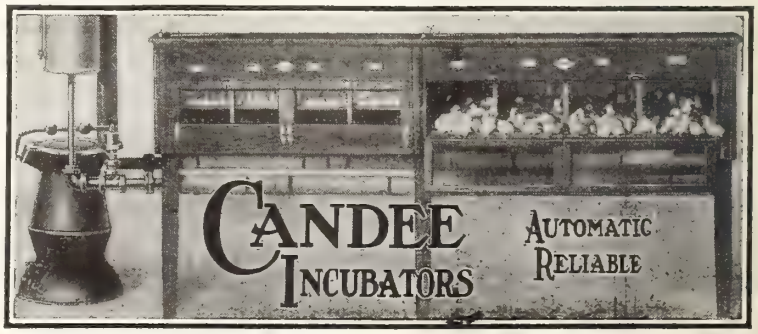
It works to perfection—simple, easy and accurate, combined with low cost of running.—**J. W. F. Smith, South Norwalk, Conn.**

As a time saver and fuel expense, it has got all the lamp machines beat to a standstill.—**Fred A. Fry, Bristol, Conn.**

Our Candee is working like a clock and have had some very good hatches from it, the chicks being large and vigorous.—**J. C. Punderford, Freneau, N. J.**

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First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

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WHITE ORPINGTONS
WHITE PLYMOUTH ROCKS
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S. C. RHODE ISLAND REDS

Are famous the world over for their vigor, health and productive qualities, and for their winning ability in any competition.

THEY HAVE WON THEIR STANDING ON MERIT

EGGS NOW HALF PRICE

From BEST MATINGS in the WORLD, $5 per 15; $15 per 50; $25 per 100.
From CHOICE MATINGS, $2.50 per $15; $7.50 per 50; $12.50 per 100.
Send for my illustrated catalogue and mating list and book your order now.

SALE OF BREEDERS

Will spare you birds from my BEST MATINGS at just HALF THE PRICE they would have cost you last February.

Trios, $50, $75 and $100 per Trio.
Pens, $75, $100 and $150 per Pen.
Pens of 9 birds, $125, $150 and $200 per Pen.

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Will now spare birds from my CHEAPER MATINGS and SURPLUS FLOCKS at just HALF THE PRICE they would have cost you last February.

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Order directly from this ad. Receive the BEST VALUE you were ever given and have the USE OF THESE BIRDS THE BALANCE OF THE SEASON. REMEMBER, any birds I send you that are not satisfactory I want you to return at my expense and receive back your full purchase price.

I WANT YOUR ORDER, and REMEMBER, your ABSOLUTE, ULTIMATE SATISFACTION means my PERMANENT SUCCESS.

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MAURICE F. DELANO, Proprietor FRANK H. DAVEY, Superintendent

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Our pens this season are the best ever mated in the world and contain over 200 trapnested prize winning females, each pen headed by a prize winning male at America's best shows.

After May 10, eggs from these grand matings will be **half price** or $7.50 per setting of 15, with the exception of our Special Pen, headed by Quality King, our 1st Madison Sq. Cock, 1913 and our pen de Luxe, headed by our 1st Madison Sq. ckl., '13, from which 2 pens eggs will be $1 each, and not over 5 eggs to one customer from these pens. Eggs from our $5 matings will be $3 per setting, or 2 settings for $5 and every customer purchasing $10 worth of eggs will receive our booklet "From the Shell to the Showroom" free.

Why Experiment? When you can get the **very best** at such reasonable prices. **Never before** has such value been offered in eggs of such a quality **so early in the season.** We have a larger number of early chix out than usual, so will need to set fewer eggs in May and June than usual, thus enabling us to give our cusomers **reduced prices from all matings earlier than usual.**

This opportunity has never been yours before. We do not expect to show this season, except at Madison Square Garden, thus giving **our customers a chance to win in all** of America's best shows.

Send for our new catalog and mating list, and place your order early for delivery at any certain date.

After May 15 we will have for sale a limited number of our this year's breeders at attractive prices. Mention the A. P. J. when writing.

ALDRICH POULTRY FARM, 5075 N. High St., Columbus, O.

The Golden Road To Success — Aldrich Chick Grower

A Specific for Bowel Trouble or White Diarrhoea

This preparation has been in use for over five years by the discoverer, *Mr. Leonard Rawnsley* and has met with marked success in the hands of *America's most* noted poultrymen.

Read following testimonial and send for circulars containing additional testimonials of prominent poultrymen.

Aldrich Poultry Remedy Co., Boston, Mass., April 7, 1914.
Gentlemen:—
Enclosed find $1.00 for one can of your Chick Grower, the greatest bowel remedy on the market that I have used and I have been an "easy mark" for all kinds. Last season I had two jars of your remedy and so far this season three cans and have not lost a chick since using it with bowel trouble. I have fifty chicks seven weeks old, they weigh 1½ lbs. each, following instructions in your little book "Shell to The Show Room." Yours truly, E. E. Wood.

The price of *Aldrich Chick Grower* is $1.00 per quart jar, enough to raise 100 chicks beyond the danger point. Add *zone postage 3-lbs. Do not lose your chicks* when an *Absolute Remedy* can be secured at a nominal cost.

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The question how to get many eggs in winter now solved. Get White and Buff Faverolles. We doubt if ever there were better zero winter layers produced than are White and Buff Faverolles. And if there are better quality table fowls on earth we have never found them. Our Campine matings this season are of high class order. **Eggs, $5.00 per 15; $30.00 for 100; except Buff Faverolles, $1.00 an egg. Stock for sale at right prices.**

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BRUCE & ABBOTT, Box 10, Whiteland, Indiana

AMERICAN POULTRY JOURNAL

Entered as Second-Class Matter August 9, 1886, at the Postoffice at Chicago, Ill., under Act of March 3, 1879.

Volume 45 | Chicago, Ill., May, 1914 | No. 5

Profitable Management of a Large Plant

Saving Labor on a California White Leghorn Ranch Where Thirteen Thousand Fowls are Kept for Egg Production

By Eugene Hodges



TO CARE for thirteen thousand fowls with but two assistants is an achievement from which many lessons may be drawn. This is what C. H. Dangers, a California White Leghorn breeder, is doing. His farm is located about four miles from one of the largest poultry markets in the state, which makes possible the marketing of eggs at a minimum cost, this with the right economy in the cost of production is making good profits for Mr. Dangers.

The most interesting part of his experience is that which has to do with the methods of handling the work to save time and expense. His place is well planned and well kept; in fact, he considers that he could not do the work so economically if everything were not kept in the best condition. "Just so soon as you let things begin to run down, you are going to waste time, and bring on unnecessary expense," is Mr. Dangers' doctrine.

The poultry houses and yards are arranged along two avenues which are used in caring for the fowls. The houses are combination laying houses and scratching sheds, each with a capacity of 350 hens. The laying house is 12 x 24, and the shed is 10 x 24. The yard is 150 x 160. The accompanying picture shows the appearance of these houses.

One of the economies in labor is found in the outdoor nests. These are seen in the picture of the house, and one is shown in detail in another picture. They are built on skids so that they may be easily moved from one part of the yard to another, or from one of the double yards to the other as the fowls are moved to be run on green stuff. The nests are made in sections of ten, with a shed roof to protect them from the weather, and to keep the nests dark. The opposite side contains a door that may be opened to expose the eggs. These nests are arranged in rows in the yards, and the time required to gather the eggs is very much lessened. The house is really not a laying house at all, but a roosting house. It contains two rows of roosts which extend along either side and are so made that they may be quickly swung up against the wall when the droppings are to be cleaned up. The roosts are about two feet from the floor, so this avoids the use of dropping boards. The floor of the house is raised about three feet from the ground and a door on the side of the drive makes it possible to scrape the droppings directly into the wagon that is backed up to the building. This saves one handling of the droppings, and the work of cleaning is done in about half the time.

Mr. Dangers has adopted the following method of feeding the morning mash. Self-feeders are arranged along the fence on the driveway side of the yards. The trough itself is built on the outside of the fence with an opening on the inside. This makes it possible to fill the troughs from the driveway without opening the gate. A man can walk rapidly from one end to the other and the work of giving the morning feed is accomplished. One of the pictures shows the appearance of this mash feeder on the inside. Wires have been stapled across the front so as to prevent the fowls from crawling out through the trough.

In transporting the food from the feed house to the pens, a low wagon is used which makes it possible to step from the ground into it or out with full pails in the hand. For some time wheels made of planks were used on this wagon. These have been found to be too expensive, however. They wear out



Combined roosting house and scratching shed on 13,000-hen ranch of C. H. Dangers, California. See article entitled "Profitable Management of a Large Plant."



Outdoor nests used to make work of egg gathering easy on the 13,000-hen plant of C. H. Dangers, California. See article "Profitable Management of a Large Plant."

too fast. Metal wheels are used now and the expense is much reduced. One horse is used on this wagon as shown in the accompanying picture. The box is built with high sides in front and sloping sides on the side. This makes it convenient to carry a surplus of feed in the front part, and keep the pails and partly



Dry mash troughs conveniently arranged along the fence of the central driveway for ease in feeding the 13,000 layers housed in flocks of 350 each, C. H. Dangers' California Leghorn Farm. See "Profitable Management of a Large Plant."

emptied sacks in the rear where they can readily be secured without climbing into the wagon. The empty sacks are hung on a hook at the side of the box.

One of the greatest expense and labor savers on this farm is the electric trolley line that runs along one edge of it. Mr. Dangers has built his feed house near the track, and the trolley company built half of the loading platform and established a station there for his convenience. Feed is bought in carload lots and is delivered by trolley on short notice and for a delivery cost of 75 cents per ton. When you know that from 50 cents to $1 a ton is saved by buying the feed at wholesale, you will see that it is a wonderful advantage to have it delivered into your barn at the small cost of 75 cents per ton. If his men had to do the hauling, it would cost much more.



Trolley line special feed station and grain house on C. H. Dangers' 13,000 Leghorn Ranch, California. This is one of the special features of this poultry plant. Trolley freight which hauls grain and carries eggs to market is shown approaching Dangers' Station. See "Profitable Management of a Large Plant."

In order to get the trolley company to build the station there, it was necessary to give it a quarter of an acre of ground. The feed wagon is driven up to the door of this storage barn, and the food for the trip loaded on. At the other end of the avenue is the packing house, and on the return trip the cases of eggs are brought to the trolley station.

The freight on eggs is five cents per crate, but Mr. Dangers has an arrangement with a dealer whereby he receives the full market price and has no freight to pay. There are two freights each way each day.

The accompanying picture will give an idea of the arrangement of the feed house with relation to the trolley station. One of the freight trains is shown approaching the station.

In the incubator house are 16 machines each with a capacity of 540 eggs. These are heated by gasoline gas made by a gas machine in the tower house near by.

The brooder house is 16 x 310 and will accommodate 10,000 chicks at one time. It is heated by hot water with hovers that run along the alleyway on one side of the building. This house is divided into 30 pens each with a yard 120 feet long. This is an unusual length for yards of a brooder, but Mr. Dangers believes that it pays to give the babies plenty of room. He declares that they use all of the space to good advantage, and with so much room in which to exercise, he has nothing but healthy chicks. The house and yards cost $4,200.

An electric thermostat is used in the hovers. A distillate oil burner is used to heat the water, and there is always the



The feed wagon used on C. H. Dangers' 13,000 Leghorn Ranch, California. See "Profitable Management of a Large Plant."

danger of the fire going out or the hovers becoming too warm. This electric thermostat rings a bell in the house and one in the brooder house when the temperature varies to a dangerous degree. Attesting its value is the experience of Mr. Dangers in which he might have lost $2,000 worth of chicks on a night when the wind blew out the fire. The chicks were only three days old, and they could not have withstood a material reduction in the temperature. As it was, not a chick was lost, because the bell woke up the owner and the fire was relighted at once.

On an average, 89 per cent of the chicks that are put into the brooder go into the rearing houses, so you see the percentage of loss is small. The chicks are kept in the broods from 8 to 10 weeks, and are then taken to the rearing houses where they remain until they begin to lay.

In this brooding house Mr. Dangers has a small cart, very simple, but useful in saving a great many steps in his three



Home-made platform, with detachable box, hand car for use in brooder house on C. H. Dangers' 13,000 Leghorn Ranch. See "Profitable Management of a Large Plant."

hundred feet-long house. Sufficient food for the whole row of pens may be taken on this cart at one trip. It is a simple platform mounted on low metal wheels as shown in the accompanying photograph. The floor of the brooder house is cement

so the small wheels serve well. Whenever food is to be distributed it is hauled on the platform, or sand to be placed in the bottom of the hovers, it is carried in the box placed on the platform as shown in the picture. The box has a handle at both ends, making it easy to move. The axles of the cart were made by a local smith from old buggy axles. The tongue is made of a three-quarter-inch rod with a T handle.

The birds in the laying and rearing houses are fed three times a day. One man makes it his business to do all the feeding and to keep the houses in repair but does none of the cleaning. Mr. Dangers goes with him morning and evening to assist, and in this way is able to keep in close touch with all the work. It would be necessary for him to make a tour of inspection anyway and by combining these with a little work, makes the employment of another man unnecessary.

The second man does all the cleaning and what farm work there is to be done. The farm includes fifty acres but the larger part of this is taken up with buildings and yards. Mr. Dangers attends personally to the feeding of the chicks in the brooder house and regulates the heat. He also takes entire charge of the hatching. With this system of arranging the work, he has found it possible to properly care for the profitable flock of thirteen thousand birds with a minimum salary expense.

Divers Things of Interest to Poultrymen

Instincts of Animals are Blind—Doctrine of Correlation—March of Invention

By H. H. Stoddard, Riviera, Texas



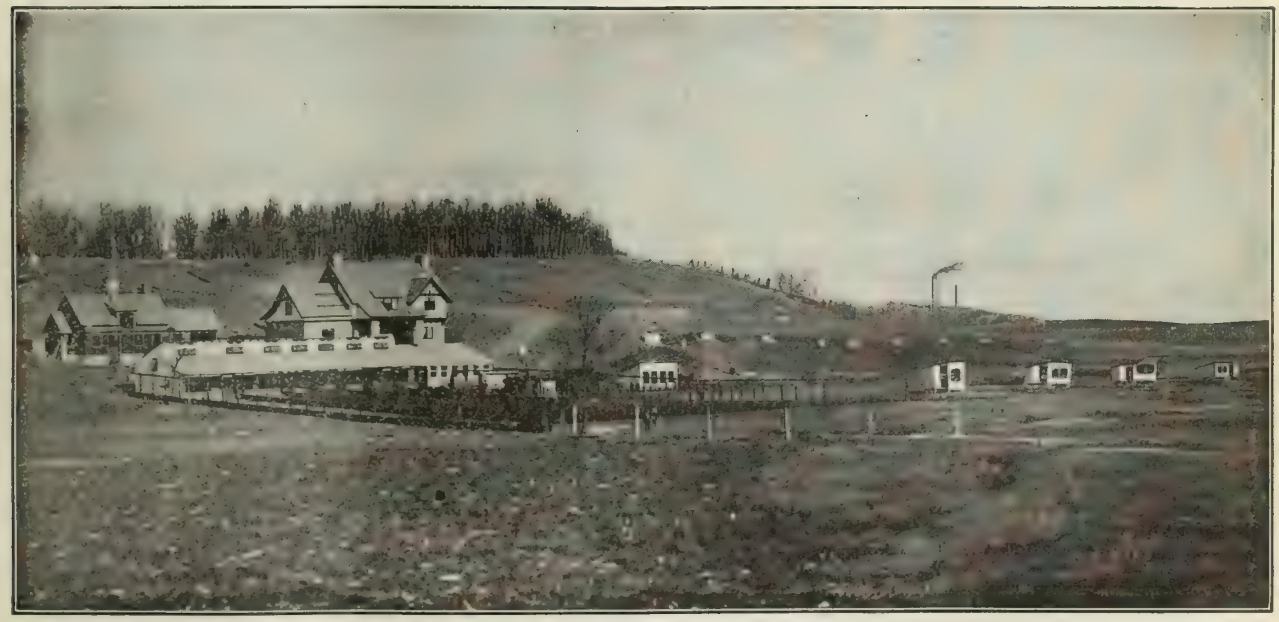
A LOUISIANA correspondent writes as follows:

"One of the most singular freaks in the way of food for fowls was accidentally discovered by a neighbor of mine recently. He is a blacksmith, and his fowls come to the door of his shop. The pieces of a broken pane of glass were lying around. He noticed that the fowls picked up these bits and swallowed them. From this hint he began giving them an occasional feed of pounded glass, and found they ate it with avidity. Is it the practice of any of the poultry raisers to feed pounded glass, and what office does it perform in the animal economy? Does it serve in its slow decomposition as mineral matter, or what other purpose does it serve? Any information upon these points will be interesting. I have been accustomed to keep broken glass out of the way of my hens, lest they should swallow it by accident, and supposed it would certainly poison them, if it did not injure by cutting their crops or gizzards. But the fact above narrated is stubborn. I shall look with interest for the light that will come with your experience."

To the above I make answer that the instincts of animals are blind. It is natural to fowls to swallow gravel, especially white or light colored and very hard gravel. This instinct leads them to eat broken china, glass, shells or anything resembling white gravel. Glass in itself is not poisonous to any animal, for it is simply silex, a form of stone or sand. Broken glass will, however, when swallowed by some species of animals, prove as fatal as the most virulent poison, because of its cutting properties. It is as dangerous as for a dog or horse to swallow needles or lancets and for the same reason. But fowls are often able to swallow sharp steel or glass with impunity. They were made by the celebrated Dr. Spallanzi, experimenter in the field of comparative physiology, to swallow small leaden bullets in which bits of needles and awls had been set, radiating outward like rays of a chestnut burr. After awhile the sharp points of the needles were worn blunt and with no apparent evil results to the birds.

The lining of the gizzard, though thin, soft, flexible and appearing very weak and incapable of resistance, has a wonderful way of rapidly repairing such injuries as it continually receives while the sometimes hard, rough and sharp-cornered contents of the gizzard are jammed against it by vigorous contractions of the thick, powerful muscles of which its outer walls are composed.

Gravel is not absolutely indispensable. Fowls have been kept from time immemorial in districts where not a particle of gravel or coarse sand was in the soil; yet they throve generation after generation, apparently just as well as poultry in gravelly regions. But they are so greedy for it that the safest plan is to have good sharp "grit," as the word is, constantly before them. They crave something solid and when kept on ground grain will pounce eagerly on the same kind of grain unground.



Scene on Old Forge Poultry Farm, Spring Grove, Pa.

Some of the most eminent authorities, including Dr. Woods, who has made very careful and elaborate experiments to discover the true functions of fowls' gizzards, say that there is no real grinding done by the falsely so-called "millstones." That the grit is largely dissolved chemically by the gastric juices and thus furnishes needful mineral food, and also the gravel or sand helps to keep the other contents of the gizzard from forming a tight wad or ball which would not be readily subject to the action of the



First pen Buff Orpington cockerel at Illinois State Show. Owned by A. B. Porter, Box 4, La Salle, Ill.

digestive fluids. As it generally costs very little to supply grit, it is best to have it always accessible anyway, grind or no grind.

In this connection, I want to get in my speak concerning fowls swallowing filth. The grit poultry eat is retained for days, weeks or months, fulfilling its functions in gizzard, nature having in an almost incredible manner provided that while finely ground stuff is allowed to pass out of the gizzard into the bowel, every coarse body that is solid like a pebble, or semi-solid like a partially softened kernel of grain, is denied egress. Yet mere bulk of itself is not made occasion for holding back. If the substance is fibrous or pliable, like oat hulls, for instance, it may pass out. Occasionally, however, in spite of the wonderful vigilance of the unconscious mind that acts as doorkeeper grit sometimes slips by and in due time is voided in the droppings.

Well, now, fowls are everlastingly scratching under their roosts to get at this second-hand grit, and it is swallowed over and over for years till by attrition, combined with the dissolving powers of the digestive juices, it is completely used up. In swallowing the gravel filth is necessarily swallowed. Even if no gravel is there the flies, especially in warm weather, deposit eggs, quickly making the manure full of grubs, which the fowls are ravenously fond of. In my locality at all times of the year, for one reason or another, the droppings are scratched all to flinders.

What then becomes of the doctrine that droppings are poisonous or contain poisonous germs? Even if you shut the fowls away from their roosts all day they will be distributing manure over the yard or outside range, to be scratched to pieces, so there is no escape from the so-called evil. Now I have received a friendly and an intensely earnest letter, since in these pages I recommended hen manure as a valuable and extremely potent fertilizer for rape or other crop to be fed raw to fowls. The writer vigorously denounced such a practice, because in the first place some of the manure might adhere to the green stuff and be swallowed by the fowls. To this I answered that dunghills are predestined to swallow dung anyhow, for dunghill fowls they are, and a little more or less does not matter. They might as well die for a sheep as a lamb.

My correspondent's second objection was that microbes might enter the vegetables and poison fowls that way. On consulting the best authorities I could find, learned that no proof has ever been produced that any microscopic "bug," noxious or otherwise, ever does or can inhabit vegetable sap as its natural home if its nutriment, growth and life history depend upon the animal kingdom.

Doctrine of Correlation.

A great mistake is the matter of correlation of parts. Darwin illustrates this mysterious relation by citing case of "blue-eyed cats." When a kitten appears with blue eyes it is invariably deaf. Why deficiency in the organs of hearing and the color of the pigment of the eyes should have anything to do with each other, or if these traits are both the product of some third unknown factor is "one of the things no fellow can find out," but the fact remains.

The more the laws of correlation of parts are studied in our fowls the more it will be evident that poultry keeping is for the student an intellectual pursuit, and that a lifetime is only long enough to make a beginning in studying fowls. Fanciers, some thirty-five or more years ago, made special effort to reduce the size of combs and wattles on a number of breeds, including particularly Light Brahmas and Single Comb White Leghorns, because they looked too coarse



First prize White Plymouth Rock hen at Universal Exposition, St. Louis. Owned by J. H. Lynch, R. 7, Opdyke, Ill.

and clumsy, it was thought. Whereupon Felch, one of the great poultry pioneers, always as now jealous of injury to utility, to his honor be it said, pointed out the necessity of proceeding very cautiously, since these appendages were of a sexual nature ("secondary sexual characters"), and when large were correlated with unusual procreative powers and fertility of eggs.

In this connection it is worthy of notice that the new-light professors who teach that heredity involves certain

transcendental "principles" (e. g. a principle of size, another of tendency towards fattening, another of growth of feathers on legs, another of prolificness, and so on) almost always insist that these "factors" (that is what they call them) are heritable as separate independent matters. That each has no connection with other traits. For instance, as was pointed out in these columns awhile ago, a certain Ph. D., somewhat tangled up in his own learning, insisted to the effect that a hen, though perfectly formed, perfectly healthy, and perfectly normal as regards anatomy (construction of parts), physiology (action and function of organs), histology (minute structure), and of proper age and growth for laying, also feeding and management in every respect, having always been right from hatching time to maturity, could not lay an egg until some (mysterious and unknown) factor or element of "fecundity" had descended upon the biddy, from heaven knows where, and taken possession. "Entered" into her, I suppose, as a bunch of devils in the puerile fable "entered" the swine that ran down a steep place into the sea.

And just as it was once believed that transcendental "principle of vitality" made an animal body live, whereas it is nowadays known that the vitality does not make the condition and state of the body, but that the body exposed to its environment makes the vitality—all the vitality there is, the name being merely an abstract term for functioning of bodily organs. To illustrate, there is no principle of grindity, or grinding, which makes the mill grind, but it is just the other way, for the mill makes the grinding.

"Trivial distinction, difference between tweedle dum and tweedle de"? No, not at all for the practice of appealing to an imaginary principle, a sort of spiritual element or



"VENUS."

Photo of a prize-winning S. C. Black Minorca female in the yards of Charles G. Pape, Box B-74, Fort Wayne, Ind.

spook as a prime mover to explain occurrences, is a grave error, and one so very grave that it has raised armies, shed blood untold and shaped history of great nations.

Spookism has been the great curse of the ages. But it is taught today to nearly every child in even the most highly civilized nations as persistently as when Plato taught it, and has become such an ingrained mental habitude that a professor cannot allow a pullet to lay till the spook of fecundity has animated her body.

Speaking above of the new light biologists who for some time contended that the various traits are heritable singly and not in groups, in direct opposition to Darwin with his deaf blue-eyed cats, these would-be progressives are, for some reason, coming around lately. They now say single characters, "or groups of characters" are inherited. And everybody knows that qualities or traits positively are heritable in groups. When a child inherits from parent or grandparent a certain complexion, color of eyes and hair, stature



"JUPITER."

A two-year-old S. C. Black Minorca cock bird that has never been defeated in the show room. Bred and owned by Charles G. Pape, Box B-74, Fort Wayne, Ind.

and bodily configuration generally, we can see plainly enough that said ancestor's temperament, disposition and metal endowments are commonly descended also through correlation.

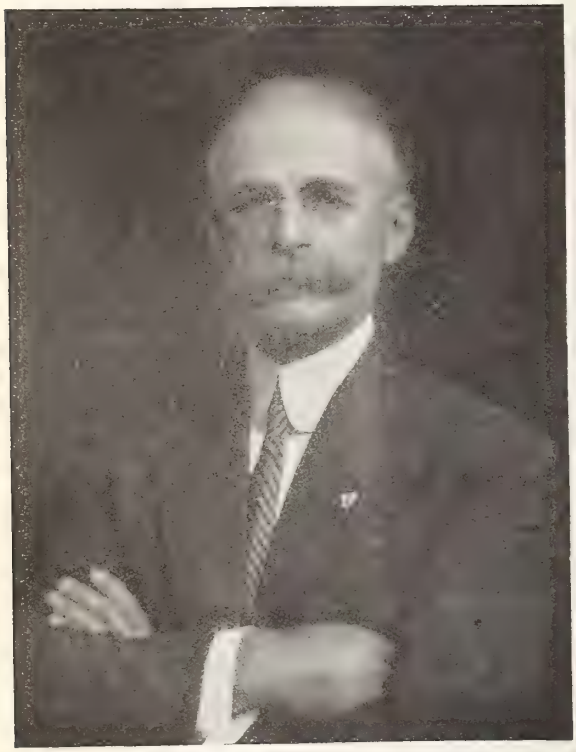
Special Sorts of Both Spirit and Matter.

The new lights are not content with bringing in a whole lot of spooks to explain heredity, a white spirit to produce whiteness, a black one to make a black color, a spirit of "maleness" (that is the term they use) to create male sex and a spirit of "femaleness" to create female sex, tallness for high stature, chunkiness for low stature, and so on; but they go still further in their demands and descending from the nebulous and vapory realm where any writer may locate any and every sort of spook or eternal "principle" to suit the purposes of his attenuated imagination; they claim also a special sort of matter of which germinal specks and primal life-stuff are composed, and they name it "germplasm." They are not content with allowing the primal embryonic cells to consist of the same plasm that the body cells of the animal consist of. They demand finer clay, or different clay.

Before the discovery that animal's bodies were composed of colonies, or masses of smaller animals, the wise men like Huxley did the best they could. He proclaimed that the "physical basis of life" was protoplasm, a form of matter the simplest that the utmost study could detect. That there was no life to be found in any animal or vegetable except in connection with protoplasm. The prefix "proto" was to indicate that simple plasm, resembling white of egg, was the basis of forms of infinite number and variety comprising everything in both animal and vegetable

kingdoms. The germs of animals, whether fertilized or unfertilized, and the embryos in all stages of growth, and individuals from birth to death consist of protoplasm.

So far Huxley and his co-workers; but later appears Weisman and in pure assumption and nothing else, he teaches that there is a separate sort of matter that generative germs are made of. He calls it "germplasm." This substance is the physical basis of heredity. The swarms of spooks that confer the qualities which are distinctive of the



D. W. YOUNG, MONROE, N. Y.
The man who has made Single Comb White Leghorns famous throughout the world.

variations in our domestic animals are domiciled in this germplasm and not in the protoplasm of which animal's bodies are made. So says Weisman, but he is monumentally mistaken. The cells of the mistakenly called "germplasm," both before and after fertilization, lead separate individual lives, and are like all cells in that they are descended from other cells of the body. And in turn the last named cells lead separate individual lives in series which include descent from the mistakenly called "germplasm" cells. No reason has ever been shown for considering germ cells as belonging to any series apart from the series of body cells.

Now in breeding poultry there would have been no need for any writer attempting to explode the theory of the mythical "germplasm" at all had not modern teachers first entered the field and proclaimed Weismanism. They were drawing salaries from public treasury by teaching science, falsely so-called, which bewildered and misled poultrymen who are trying to cultivate extra laying powers specially by breeding in the male line, and they don't deliver promised goods with the celerity boasted beforehand. Their way is no better than

"The same old plan
Of holding tight
To what you get,
And getting all you can."

The old way is the way Wizard Burbank follows. It is Darwin's way. It is the way which was followed in making the hundreds of breeds of pigeons out of the original wild Rock Pigeon of Britain; in making the scores of breeds of dogs; in bringing Gallus Bankiva from eight eggs in the wild nest to eighty in barbarous ages, and then to 135 or about that, in civilized times, and which will bring them still higher, after awhile, till is reached an equilibrium of nature which will forbid further rise (as a racial trait), though transitory freaks of higher laying will not be forbidden.

The teachers of Weismanism in the poultry world get flattened out so that they do not emit even a faint peep whenever anybody gets after them in earnest. Verily there are scores of important matters waiting to be solved by the experiment stations without their funds being squandered on excursions in cloudland.

It is given to both school boy and philosopher to know that ancestors near and remote make the character of progeny. The how and why this is so no mortal knows anymore than how and why no end or beginning of time or space is conceivable; or how and why the whole of a thing is compelled to be greater than any one of its parts; or why two gases must be combined in a certain proportion to make air and some other proportion would not do just as well. Thank heaven we don't have to know. Merely go straight along about our business and prevent trouble by inventing no mythology, and stumbling over no mythical mare's nests.

March of Invention.

Show any large manufacturer or manager of a department store or other big business how he can save even 3 per cent or less of his labor bill and he will sit up and take notice mighty quick.

Once iron ore was pushed up a ship's gangplank in a wheelbarrow. Later it was lifted a few bushels at a time by means of a horse, ropes and pulleys. Now by touching buttons, a whole big modern carload, car and all, is quickly lifted, swung around and dumped aboard the vessel, with



The "Daddy" of Monmouth Farms' Buff Leghorns. This farm annually produces a large number of prize-winning Buff and White Leghorns and their winning record is well known to our readers. These farms are located at Freneau, N. J.

actually no more effort to the operator than if he inverted a sugar bowl. And so it is everywhere, except in commercial poultry, which is a business so new that labor-saving inventions have not to great extent had time to appear in the field. Does anybody suppose that the production of staple articles of such prodigious quantities and values as market eggs and poultry for the enormous cities of the future, can go on without changes amounting to almost a complete revolution in methods? A new machine is revo-

lutionizing the manufacture of postage stamps. This machine eliminates twenty-three different operations which have hitherto been essential in the work. By its use the incredible number of 12,000 stamps is printed, gummed, perforated, counted and ready for delivery in just one minute. Formerly after the plates had been prepared the services of more than a dozen people were required in making stamps, but with this machine only two are needed. The cost of making stamps is cut down 57 per cent, thus making a saving of $300,000 to $400,000 annually to the government.

Practically four machines, a printing press, a gumming machine, a drying appliance, and a perforating wheel, are combined in this invention. One of the noteworthy features of the new machine is that it takes dry paper fed from the roll, while the old process required the use of sheets which had to be moistened by a complicated process requiring two days.

Another new machine is one which winds the completed stamps into coils for use in coin or slot machines. An increasing part of the stamp output is now sold through such slot machines in drug stores, and other public places. This machine will produce 12,000 coils, of from five hundred to a thousand stamps each, in a day of eight hours. Each of the machines does work for which the services of twenty-two people were formerly required.

Thus it is, all up and down the line. It is as interesting to visit a large manufactory of any staple article nowadays



COCKEREL HEADING FIRST PEN S·C·W· LEGHORNS
GREATER BUFFALO SHOW NOVEMBER 1913
BRED & OWNED BY MOORE BROS MOSCOW, N·Y·

as it is to attend a theater. No matter how quickly and perfectly a machine works some ingenious Dick is trying to make one that will work still quicker. Are particular parts of a certain machine needed? Then if 50,000 or so of these machines (say auto cars) are to be built, it pays to invent and construct a special machine to make each of such parts. Say there are twenty separate parts to be united in a special model of car of which 50,000 are to be built, then twenty machines of entirely new character are to be studied out, made and installed before the first car, original model not counted, is begun.

Great barns are now being built for dairymen on the convergent plan, the cow stalls being in a circular or octagonal court at the center to facilitate feeding. Cars and grip hooks travel on overhead tracks on the principle of the receptacle which travels overhead to reach the cashier in stores. These traveling appliances not only convey grain and fodder but carry the litter or manure to or from the



FIRST PRIZE S·C·WHITE LEGHORN HEN
SYRACUSE STATE FAIR N·Y· SEPT· 1913.
BRED AND OWNED BY
RANCOCAS POULTRY FARM BROWN'S MILLS
NEW JERSEY

stalls. Grain can be conveyed to flocks of 2,000 or more laying fowls each in the same way. What is to hinder?

Quite recently diversification in poultry matters has been shown by the attempt to unite several poultry men in a trust; by the intervention of Uncle Sam to rescue farm eggs from the broad road to perdition; by the employment of poultry movies and lectures and institutes on wheels; by the plans more or less ill-advised to include poultry as part of the public school curriculum; by the division of labor into the separate functions of the professional hatcher, the rearer and the egg raiser; by the development of methods of canning, freezing and drying eggs, also importing them in increased numbers from the orient; by ransacking Belgium and other countries for valuable breeds; by great activity in attempts to find the 200 and 300, or 600 or 1,000 egg hen; by the popularity of the trapnest, automatic feed hoppers and no end of other commercial devices, patented and unpatented now on the market; by the great growth of the A. P. A. in membership; by the application of art in photographing fowls in colors; by the development of poultry periodicals till one number is a book in itself. And now I reach one of the most important development in a half century, which stamps the able, far-seeing Burleson as one of the great lights of the times. Just as the rural route idea was first put in operation tentatively, so the enlarged parcel post is to be tried first at certain localities, to prove that the express business can to advantage be added to the mail business.

Fred W. C. Almy and Red Feather Farm

Rhode Island Egg Farm that Combines Utility and Fancy and Is Successful With Both

By Prince T. Woods, M. D.



WE have known Fred W. C. Almy, of Tiverton-4-Corners, Rhode Island, for a good many years. As the proprietor of Red Feather Farm and a fancier of Rose and Single Comb Rhode Island Reds, he is classed among the prominent breeders of today, is a factor to be reckoned with at the leading big Eastern shows and his "Sensation" strain is widely known.

It is not our intention to set down a report of his winnings herein, the records will speak for themselves, but we do want to tell something about the man, his plant and his work. Mr. Almy began small and grew. He was a successful utility man and egg farmer before he became known as a fancier and exhibitor. He is still a successful egg farmer as well as a successful fancier. He believes in combining beauty and utility, and he makes it pay. He is a young man, as we reckon ages today, and he is more capable, active and eager for work than many men who have just reached their majority. In the poultry world and on his home farm he is a very "live wire," overflowing with energy, and as conscientious and honest as he is capable.

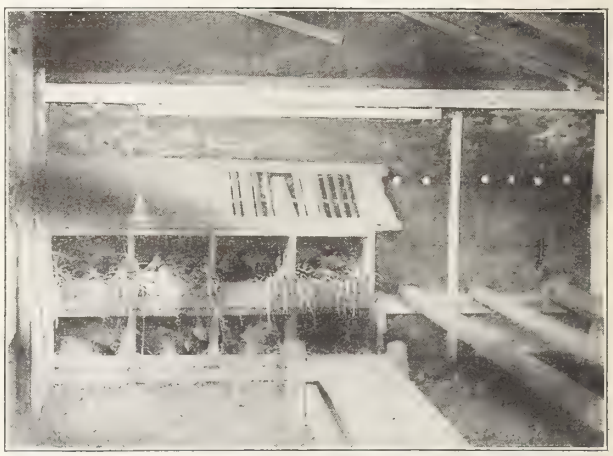
Fred W. C. Almy started in the poultry business about twenty-four years ago. He was then working on his father's farm for his board and with the privilege of "working out" for himself at spare times. The lure of the city attracted him, but on the advice of a friend he decided to stick to the farm and start with poultry. He started with a few hens borrowed from his father, who like most farmers of the district had only a small farm flock, and he became one of the pioneers in the egg farming section which afterward became famous as the "Little Compton district." His first year he



Some of the first built colony houses for breeding and laying stock on Almy's Red Feather Farm, Tiverton-4-Corners, R. I. (Photo by Dr. Woods.)

raised about 60 pullets and built two small houses at a cost of about $10 per building.

The pullets did so well that he decided to go in heavier the next season. At this time he was teaching school to help out his income and he devoted his nights and week ends to doing poultry work and preparing poultry quarters. His second season he had 180 pullets and six more small colony houses. His building operations took more capital than his salary as a teacher and his small flock of layers supplied, and he borrowed $60 from a friend to build poultry houses. His plant grew steadily and all earnings that could be spared from living and operating expenses were put into the development of the growing egg farm. The stock and buildings were increased gradually until Red Feather Farm, as it came to be known, had a capacity of 2,000 layers. It was steady, normal, healthy growth that paid its way as it grew, and for many years now the farm has been well known and supplying the best hotel egg trade in Boston. When the successful egg farm had been firmly established and paying a handsome return, Mr. Almy's attention was turned toward the fancy. Some of the best Red blood in the country was introduced into his original stock, he acquired other breeders' flocks by purchase and his success in the show room won



Interior of colony house on Red Feather Farm, showing seven Standard-bred Reds laying for F. W. C. Almy. (Photo by Dr. Woods.)

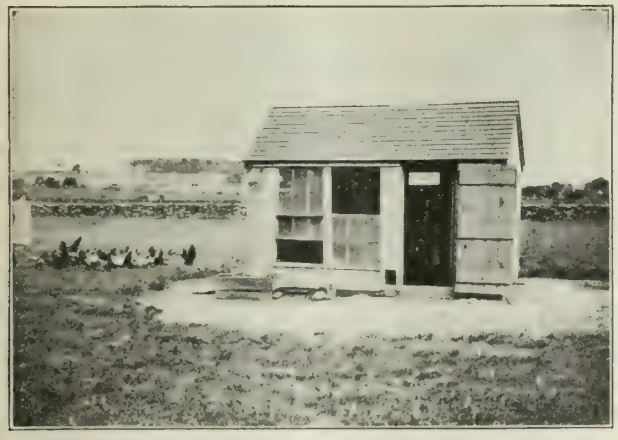
him a place among America's foremost breeders of Rhode Island Reds. He still continues his egg farm, supplying the hotel trade, markets and abundance of surplus stock annually as table fowl, and is selling breeding stock and eggs for hatching throughout the country and abroad.

Red Feather Farm is practically a one man farm. Mr. Almy and a boy helper do all the farm work and take all care of the poultry. He says: "I believe that it is easily possible, after you have built up your trade and reputation, with the help of the proceeds from the sale of winter chicks, surplus cockerels, etc., to clear $2,000 a year on a 2,000-hen plant from the utility side of poultry keeping alone." At the annual Farmers' Institute held in Providence this year he said regarding his present earnings on Red Feather Farm: "After paying my family living expenses last year I made a net profit of slightly over $2,000 from 1,800 to 2,000 hens." And he explained that his chief "secret" is cleanliness in food, pens and yards.

Mr. Almy is a tall, straight, wiry Rhode Islander. He hasn't an ounce of superfluous flesh on him. He works hard, is up early and when at home is usually to bed by ten o'clock in the evening. Active, healthy and a hearty eater himself, he carries the same thing into his poultry keeping. He feeds his flocks abundantly once a day and doesn't waste labor. In addition to the poultry he conducts a comfortable home farm that some folks would think would keep one man busy. He is an enthusiastic baseball fan and one day when we were visiting him he kept us busy following him about his work with hens and chickens, took us for a drive about the poultry-growing district in the afternoon, more farm and poultry work before supper, including the mixing of a big kettle of mash for morning, and then after supper he "passed ball" with us until it was too dark to see and then talked "hen" until bedtime. Next morning he was up and at work again long before we thought about getting up.

Most of the Almy flocks are colony housed and on free range. Special matings are penned and yarded. Breeding stock gets special attention, but the main flock of layers are fed only once a day in a box trough, mash on one side

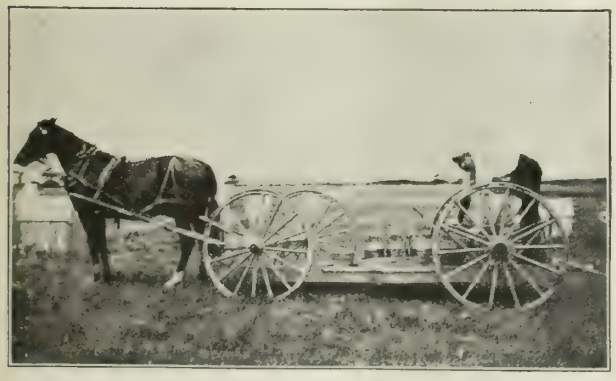
and mixed grain on the other. The time required for Mr. Almy and a boy to feed 2,000 layers for all day is only one and one-half hours. His egg yield is fine and in January he was gathering over 600 eggs daily. Drinking water, cabbages and mangels are supplied at the same time the feeding



Colony laying house on Red Feather Farm and a flock of Reds. (Photo by Dr. Woods.)

is done. All feed and water is carried on a low slung wagon drawn by one horse.

Some 5,000 or more chicks are grown each year, practically all hen hatched and hen brooded in small colony coops on open range. Incubators are sometimes used to start the eggs until a sufficient number of hens are ready to cover them. After the test the fertile eggs are taken from the incubator and put under hens. Hatches are remarkably good and there is a very low per cent mortality among the growing chicks. The colony brood houses are placed in rows, eight or ten paces apart and about 180 of these coops are scattered about three fields. Twenty-five chickens are placed with a hen in each coop. The hen is confined for two or three weeks and the chicks range. Chicks are fed twice a day, morning and afternoon, on chick food the first week, or a home-made mixture of three parts fine cracked corn, one part cracked wheat, one part coarse bran, with grit. Enough is fed to keep the chicks busy scratching in litter on coop



Fred W. C. Almy on the feed and water wagon in one of the chick growing fields at Red Feather Farm. (Photo by Dr. Woods.)

floor all day long. Water is supplied in an open cast iron dish, about the size of a brick and not quite as deep. These drinking dishes are easily kept clean, can't be tipped over and they last for life.

When the chicks are one week old a little scalded mash is fed at noon, gradually increasing the amount until when two weeks old they get mash morning and noon and cracked corn at night. The morning mash is cooked and is the same that is fed to the layers. The scalded mash is fed at noon and is composed of one part each of bran, cornmeal and cracked corn, with one-eighth part of the whole best beef scraps. The only variation in this ration is to substitute whole corn for cracked corn at night as the birds become mature enough to take it.

When chicks are six to eight weeks old and well feathered out the hens are taken away and the chicks are fed in box troughs placed between each alternate row of coops at such a distance that six flocks will feed at one place. Feeding is done with horse and wagon and Mr. Almy and a boy easily feed and water 3,000 chicks in an hour in the morning and in about thirty minutes at noon. The cracked corn for night feeding is placed in the boxes at noon at the same time as the mash, so that it is not necessary to feed at night. The feed wagon enters the fields at different points, alternate feeding times, so that chicks do not know from what point it is coming and do not crowd and congregate to meet it at any given point. They soon learn that it pays to stick



Hustling with the chick mash on range at Red Feather Farm. Mr. Almy was caught in the act by Dr. Woods, who with his camera was close by the feed wagon.

about near the home feed trough if they want a full meal.

Chickens and mother hens are powdered well with Persian insect powder to insure freedom from lice at the time they are placed in the coops. The brood hens are powdered twice during the sitting period. When chicks are two weeks old each mother hen is oiled with a little sperm oil under the wings just at dusk. This oils the heads of the chicks when they go to bed for the night and destroys any lice missed by the insect powder. No further precautions against lice are taken.

Pullets when housed are fed liberally but are never forced. The laying ration consists of cooked mash, cooked over night in a big iron kettle set in a wood burning stove. The mash is mixed with a long, iron-shod handled shovel and it is some stunt for even a husky man to stir it well. Cooked mash



Unretouched photo of first prize Buff Wyandotte cockerel at Madison Square Garden, December, 1913. Bred and owned by W. F. Schultz, Cuyahoga Falls, Ohio.

varies according to season. In winter it is generally two parts cut-clover, three parts cracked corn, including a little corn meal, four parts bran with a little oil meal, bone meal, salt and charcoal. About one-sixth part of the bulk of

mash is good beef scraps. Sometimes cooked fresh fish is added to the mash, especially for the growing chicks. This is only to be had at times from the fisheries at Tiverton. The hard grain mixture is usually about six parts corn, one part oats, one part barley and one part wheat. Both whole and cracked corn are used. This is winter mixture; in summer more oats and barley are fed and less corn. The mixture is varied according to the appetites of the fowls and they get the most of the grain they seem most eager for. In chicken time it takes from 12 to 15 bushels of feed daily to keep the flocks supplied.

Red Feather Farm annually raises about 1,000 winter chickens as a side issue. These are hatched in December and sell as early roasters at from 30 to 33 cents a pound. All market eggs are sold at best retail prices in wholesale lots f. o. b. farm and are taken to Tiverton Station by stage. They go to the best hotel trade in Boston.

The hatching egg trade calls for over 30,000 eggs each spring, with several thousands more later in the season and many of Red Feather Farm's customers repeat, coming back year after year for more stock and eggs. The fancy end of the business has assumed considerable proportions and Mr. Almy is an advertiser of some prominence in the leading journals. He continues to combine utility and beauty in Reds and we believe he always will.

His advice to beginners is: "Deal always on the square. If he does this no man need to hesitate to embark in the poultry business. I do not mean that you shouldn't 'go in all over,' but that you should go slow, and start with a few. Learn the business as you go along, build up your plant and your reputation together and your markets with good profits will be sure to follow."

That should be good advice, for that is what Fred W. C. Almy did and that is his secret of success when combined with his remarkable energy and capacity for work.

Third National Egg-Laying Contest

A Flock of 1,000 Hens Average Twenty Eggs Each in March—English Pen of S. C. White Leghorns Breaks All Previous Records

By T. E. Quisenberry



HENS which lay 1,000 eggs in a lifetime are quite rare. Some hens live to be fifteen to twenty years old, but very few of them lay many eggs after the third year. We have a White Plymouth Rock hen at this experiment station which will soon be approaching the 1,000 egg mark if she continues to lay. She is still in good health, and after moulting began to lay again in January. She laid ten eggs in January, two in February and eleven in March, and is in her seventh year. Several years ago we had another White Plymouth Rock hen which won from two to four blue ribbons in good shows each year from a pullet until she was eight years old, and also made a good egg record each year. She laid an egg the day before her death when in her eighth year. Dr. Sanborn, of Massachusetts, just reports a Buff Wyandotte hen which laid 1,002 eggs in seven years. I would much rather have hens like these in my flock and much rather breed from hens like these than to have a flock of hens whose race was soon run, which are like a flash in the pan, and which make a good record for a few months or for a year and then because of lack of vitality are unable to stand the strain of heavy production, break down and die or become useless and practically non-productive.

The day a chick leaves the shell, it is endowed with all the yolks, or ova, or eggs, that it can ever lay, and several thousand more. Nearly every chick's body possesses several thousand of these tiny yolks, and it is possible to count as many as several thousand in practically every pullet. No amount of feeding, no system of housing, no method of care and management, however good it may be, will add one more yolk to the number already provided by nature. The method of breeding, feeding, housing and care determines largely the number of tiny yolks which any hen will be able to ripen or develop into full-sized yolks and manufacture into the finished product.

Breeding has more influence over this than any other one thing, and don't ever get this idea that you feed a hen to feed yolks and eggs into her body. You feed her for the purpose of enabling her to develop the yolks which nature and breeding have already provided and made possible.

Man has taken the jungle fowl, which only laid a few eggs per year, but was of longer life than our domestic fowl of today, and he has bred and improved the wild fowl until we now have hens laying 300 eggs in a year and 1,000 eggs in a lifetime of only a few years. Nature never intended that any hen lay 200 or 300 eggs in a year, and then by increasing production to many times what the wild fowl laid annually, man has shortened the life and in most cases has decreased the vitality from that of the original fowl. Modern methods have not only increased the production of a lifetime, but we are also forcing the overworked hen to deliver her fifteen or twenty years' supply in two or three years, as a rule.

The question of the young chick and growing stock is now uppermost in our minds. If you have not already hatched all you need, then get busy. May and June hatched chicks often develop into the best show birds, and often make good layers.

Feeding Young Chicks.

We sprinkle a little clover chaff, shredded alfalfa, fine cut straw or clean litter, free from must and mold, over the floor of the brooder or hover before the chicks are placed in it. We provide a small fountain of sour milk or buttermilk for at least the first half of the day, and water may be provided for the last half. If you cannot get the milk, then see that pure water is always before them. We prefer sour milk to the use of sweet milk for the reason that much of the bacteria which we find in the intestinal tract cannot grow and develop in sour milk or buttermilk; but sweet milk hasn't this same effect. The acid of milk aids digestion, kills bacteria, and has an appetizing effect. The chicks are not fed for forty-eight hours or more after they are hatched. Don't feed too soon. Give the chicks time to assimilate the yolk of the egg which contains enough food to last them several days.

Begin by feeding a mixture of two-thirds rolled oats and one-third wheat bran, mixed with a small amount of charcoal. Oatmeal is the finest food known to give young animals. This is fed on a clean board or paper four or five times a day and only a small quantity fed at a time. We remove the feeding board after the chicks are through eating. Clean, coarse sand or fine grit is given about the time the first feed is given, and no grit is given before. After the chicks are four days old and you have been feeding them rolled oats and bran for a day or two, we begin to add a little commercial chick feed to the above mixture, and gradually increase this until the rolled oats and bran are eliminated from the first or grain feed. The rolled oats and bran are fed morning, noon and night, and a good grade of commercial chick feed is thrown into the litter between meals. This compels the little fellows to exercise, and they soon begin to scratch as vigorously as if they had been at it for many weeks. You can almost see them grow and develop, and become active and husky. At the age of four or five days begin to feed a dry mash made as follows:

Two parts wheat bran.
One part cornmeal.
One part shorts.
One-half part rolled oats or oatmeal.

To every hundred pounds of the above mixture, we add a handful of charcoal, a handful of bone meal, and a half pound of fine table salt, mixing it thoroughly.

When the chicks are about six weeks old their ration of chick feed and rolled oats can be gradually changed to cracked corn, wheat and kaffir corn. Continue the dry mash. Look out for lice and mites. Keep the chicks dry. Sour milk used for the

start will check white diarrhea. Get the chicks into colony houses and on free range and fresh ground as soon as possible. Feed them from hoppers. They will grow faster and do better as a rule. The average amateur doesn't know as much about feeding as the chicks themselves. Let the grain food for the growing stock be composed principally of equal parts of cracked corn and wheat fed in hoppers. Feed the dry mash in the same way. Give a moistened mash to the growing stock once each day. We have had a number of cockerels fed in this way that developed so rapidly that they were crowing vigorously when seven weeks old.

The hens in the contest laid 19,630 eggs in March, or an average of nearly twenty eggs per hen. This makes a grand total of 49,369 eggs for the past four months, or an average of 47½ eggs per hen for that time for all hens, good bad and indifferent. The pen of S. C. White Leghorns from England again broke the record for March or any single month's record for the past three contests. They laid 257 eggs in March, or an average of nearly twenty-six eggs per hen in thirty-one days, which was the highest record ever made by a single pen in a single month. The fewest eggs laid by any hen in the pen in March was twenty-four eggs. They have nearly reached the 900-egg mark in four months.

The best individual records made thus far have been made by a White Wyandotte pullet from Pennsylvania and a Black Rhinelander pullet imported from Germany, each having laid 99 eggs in four months.

The best pen records made thus far by representatives from the different countries are as follows:

	Eggs
S. C. White Leghorns made best English record	867
S. C. Reds made best United States record	711
S. C. Reds made best Missouri record	711
S. C. White Leghorns made best New Zealand record	551
S. C. White Leghorns made best Australian record	452
S. C. White Leghorns made best Vancouver Island record	520
White Wyandottes made best Ontario record	528
S. C. White Leghorns made best British Columbia record	504
S. C. White Leghorns made best South African record	395

Seven hens in the contest have never laid an egg. One hen went totally blind in a few weeks after she arrived here. I don't mean that she lost her eyes by roup or anything of that kind, but she simply lost her sight. Perhaps the starvation and suffering and effects of the hard trip enroute had something to do with becoming totally blind. We discovered that her eyesight was gone and it seemed that she would almost starve before we could teach her to eat and drink of her own accord. We fed and watered her for a time. But today she is laying and is in perfect health and has now learned the way about her pen so that she gets along about as well as a normal hen. She never goes on the roost but she knows where to find her nest, feed and water. She is kept in a pen to herself. In moving about she always turns to the right. She is in apparently good health, and we believe she will continue to lay. She is from pen six and her name is Helen Keller. As she is now acquainted with her pen, we believe we can keep her with as little trouble as any other hen.

The highest averages have been made by the following varieties:

All Buff Orpingtons have averaged, per hen	62 eggs
All Buff Leghorns have averaged, per hen	61½ eggs
All R. C. Reds have averaged, per hen	60½ eggs
All Anconas have averaged, per hen	60 eggs
All Silver Wyandottes have averaged, per hen	55⅓ eggs
All S. C. Reds have averaged, per hen	53 eggs
All Buff Plymouth Rocks have averaged per hen	53 eggs
All S. C. White Leghorns have averaged, per hen	42½ eggs

but the average was cut down by a few pens being out of condition. No variety has made a very low average. Several pens laid more eggs in March than in all previous three months combined. Nearly half the pens in the contest laid over 200 eggs each in March.

National Laying Contest.

The 600 hens in this section of the experiment laid 12,291 eggs in March, or an average of 20½ eggs each.

Many changes took place in March because of broodiness, and other things which will arise from time to time; we expect to see many pens which are now far down the list among the leaders before the close. The ten highest pen records in this section of the contest are as follows:

Pen 0	S. C. White Leghorns, England	867 eggs
Pen 47	S. C. Reds, Missouri	711 eggs
Pen 18	White Wyandottes, Pennsylvania	710 eggs
Pen 36	Buff Orpingtons, Texas	694 eggs
Pen 5	Anconas, Missouri	660 eggs
Pen 53	Barred Plymouth Rocks, Illinois	647 eggs
Pen 38	White Orpingtons, Pennsylvania	642 eggs
Pen 55	Buff Plymouth Rocks, Pennsylvania	636 eggs
Pen 1	Buff Leghorns, Missouri	635 eggs
Pen 34	White Orpingtons, Ohio	633 eggs

White Wyandotte hen No. 0 from pen 18, Pennsylvania, and Black Rhinelander hen No. 8 from pen 11, California, have made the highest individual records, each laying 99 eggs.

National S. C. White Leghorn Contest.

These hens have laid 4,839 eggs in March, or an average of over 17 eggs each.

From the 5th to the 10th of March these hens began to lay with a vengeance. They are now making higher daily averages than any other section of the contest. We have no doubt but that it will continue as the heavier breeds will now go broody. We never saw a finer lot of Leghorn hens assembled at one place than these hens in the contest. The ten highest pens for the four months are as follows:

Pen 79	S. C. White Leghorns, Pennsylvania	623 eggs
Pen 70	S. C. White Leghorns, Missouri	555 eggs
Pen 65	S. C. White Leghorns, Missouri	553 eggs
Pen 77	S. C. White Leghorns, Vancouver Island	520 eggs
Pen 64	S. C. White Leghorns, British Columbia	504 eggs
Pen 71	S. C. White Leghorns, Missouri	504 eggs
Pen 61	S. C. White Leghorns, Nebraska	493 eggs



COLUMBIAN WYANDOTTES

Three first prize winners at the Boston, 1914, including 1st cock, 1st cockerel and 1st pen cock. Bred and owned by James E. Perkins, 513 Canton St., West Stoughton, Mass.

Pen 69	S. C. White Leghorns, Kentucky	471 eggs
Pen 72	S. C. White Leghorns, Iowa	446 eggs
Pen 67	S. C. White Leghorns, Missouri	433 eggs

S. C. White Leghorn hen No. 3 in pen 65, Missouri, has made the highest record for four months by laying 86 eggs to date.

National Utility Contest.

Some of the pens in this experiment have done extra well, others have made very poor records. We cannot understand the trouble or why the difference. The 160 hens laid 2,500 eggs in March or an average of a little less than 16 eggs each. The production was a little over 50%. It is not bad, but we hope to materially increase that this next month. The ten highest pens are as follows:

Pen 92	S. C. Reds, Pennsylvania	596 eggs
Pen 86	Barred Plymouth Rocks, Michigan	544 eggs
Pen 85	Barred Plymouth Rocks, Texas	482 eggs
Pen 94	S. C. Reds, Ohio	441 eggs
Pen 95	S. C. Reds, New Hampshire	433 eggs
Pen 88	White Orpingtons, Kentucky	432 eggs
Pen 93	S. C. Reds, New York	409 eggs
Pen 99	White Wyandottes, Arkansas	387 eggs
Pen 90	White Orpingtons, Missouri	381 eggs
Pen 89	White Orpingtons, Missouri	376 eggs

S. C. Red hen No. 9, pen 92, from Pennsylvania, has made the highest individual record with 81 eggs to her credit.

Poultryman's Practical Dispensatory

Discussion of Sulphur, Iron and Potash and Their Application in the Treatment of Poultry Diseases

By J. H. Petherbridge



SEVERAL months ago a well-known poultryman suggested to me that a series of practical articles on drugs in frequent or occasional use in the poultry yard would be of great value, if written with a view of everyday helpfulness to poultrymen.

It detracts nothing from the general utility of such a series for some to say that "No drugs are needed in the poultry yard," quote "prevention is better than cure," or assert that "the only cure worth while is a sharp hatchet."

In this matter we face "a condition and not a theory." Drugs *are* employed and will continue to be given and used by poultrymen even after Mexico has ceased to be a question. If by taking up these drugs, one by one, we are able to offer something that will decrease, by ever so little, their ignorant or harmful employment and point out safe and sane methods of availing ourselves of their real virtues, the writer will feel that he has not written in vain, though it should be demonstrated that his title is too ambitious. Before, however, taking up the drugs I have selected for my first elucidation, it is only fair to my readers and myself to outline the premises I assume to build up any argument I may make or advice I may offer.

As I do not favor "combinations" where a single drug will give the desired result, my opening offerings will be devoted to the "elements" sulphur, iron and potash.

I depreciate the employment of "cruel" remedies; if you imagine no humane treatment will reach the trouble, don't torture them to death. Always keep a sharp hatchet in your medicine closet. I loath to recommend *a poisonous* drug, of either mineral or vegetable origin, for use with poultry, and believe in 90 per cent of ills it is ill advised.

In "doctoring" poultry, my adaptation of the Golden Rule is to give them, or use on or about them, nothing you would hesitate to take or use on yourself or in your family for *like ills and injuries.* Yes, I believe that every poultry ill has its counterpart in the human family, not even excepting scaly-leg and vermin. Fortunately for the poultry industry, the converse is not true (as yet), but intensive culture and artificial environment, if further persisted in and exploited, will sooner or later develop those human ills in our hens they are now spared; we may yet be operating on them for appendicitis.

When I speak of a drug being a "tonic," I must not be misunderstood as saying that any tonic will atone for inherited lack of vigor. Or if I have occasion to refer to a drug as "stimulating," I do not mean that a stimulant will take the place of good food, well balanced, and seasoned with pure water, fresh air, sunshine and exercise. And I desire you to bear in mind that no drug has the power to cure without the coöperation of care, cleanliness and common sense. And finally I desire to emphasize that in my recommendations of treatment and dosage, I will refer only to adult fowls and maturing stock. Baby chicks should need no medicine or treatment, save for lice and injuries.

Sulphur.

No mineral is more widely diffused throughout Nature than sulphur. In volcanic deposits it is found in its purest state and called "native," though it is also abundant in combination with the ores of copper, lead and antimony, wherever these ores are found. Sulphur is also present in the animal and vegetable kingdoms. Among vegetables, the mustard and other cruciform plants show the greatest content of sulphur and the disagreeable odor of some plants, as garlic and asafoetida, is attributed to the sulphur they contain.

The discoloration of the silver spoon with which you eat your breakfast eggs is caused by the sulphur in the eggs, and if one happens to prove "bad" in the breaking it is the sulphur in the form of sulphureted hydrogen that salutes and outrages your olfactory nerves and takes away your appetite for that particular meal. A combination of crude sulphur, oxygen and water gives us sulphuric acid, invaluable in the arts and industries of the world. Sulphur is also in active demand for the manufacture of gunpowder, fireworks, in vulcanizing rubber, bleaching, and in combination with lime has grown almost indispensable as a spraying insecticide and fungus destroyer.

The form of sulphur best adapted for use by poultrymen is known as the "flowers of sulphur,"—a fine, yellow powder, having a slight characteristic odor and faintly acid to the taste. It is insoluble in water, but soluble in alkaline solutions, petroleum, turpentine, alcohol and others. Takes fire at a temperature of 300 F. and burns with a blue flame, combining with the oxygen of the air to form a vapor fatal to all living organisms if burned in a closed room.

There is no surer way of killing the red mite than burning sulphur in a tightly closed house, but instead of sprinkling the powder on hot coals in a pan, I advise buying the sulphur candle, if procurable, as far safer for fumigation. But do not bid biddie back to her coop, after fumigating with sulphur fumes, until you have thoroughly aired the house.

Before leaving the "house" allow me to suggest that the next time you renew the dusting boxes, you mix with the "dust" in each box 3 or 4 ounces of sulphur.

Medical properties.—Sulphur is a laxative and diaphoretic,—that is, it is a mild cathartic and induces abundant perspiration. It is supposed to be rendered soluble by the soda of the bile. It is also carried into the circulation by the fatty matters in the alimentary canal. It evidently passes off by the pores of the skin, as is shown by the fact that silver carried in the pocket of one taking sulphur becomes blackened.

Medical value in the poultry yard.—The elder generation of my readers can recall the customary spring dosing of sulphur and molasses to every member of the family and if any dodged the morning dope, it was not the kids. It wasn't exactly peaches and cream to the taste, but it was "good medicine" for a general spring cleaning, not infrequently needed, after a winter's diet of buckwheat cakes and sausage.

To our mind this conveys a lesson of a possible poultry need after a winter of confinement and heavy feeding for eggs. As spring approaches, add to each quart of your dry or moistened mash a heaping teaspoonful of surphur; mix thoroughly and repeat two or three times a week for a month.

When your birds have free range and lots of it, the addition of sulphur to their mash is superfluous, as they obtain this element from the greens they select and eat, but an occasional addition to their feed through the winter months is desirable, as well as the spring treatment.

Out of the southland, where chicken-pox or, as locally known, "sorehead" is almost epidemic in the fall, there has come of late a preventative treatment for this nasty disease, so often reiterated and substantiated, that it cannot be ignored. The treatment is as follows: About the first of July, once a week dissolve a tablespoonful of epsom salts in warm water and with it moisten enough mash for a dozen chickens; every third day also add the same quantity of sulphur to their mash and keep up this alternate treatment until the first of October.

I confess my training and experience gives me no clue as to *why* or *how* this treatment makes the flock immune from chicken-pox, but some things we only know by the results and cannot trace the processes by which said results are obtained. If a three months' course of salts and sulphur will prevent a visitation of chicken-pox, it is cheaper to accept the fact than question the theory.

Northern poultrymen will do well to try it out, for this disease is growing more and more prevalent in all the Northern States.

The Cost.—"Flowers of sulphur" is inexpensive. It can be bought by the barrel for less than 3c a pound. When you go to the drug store for it, don't ask for "5c or 10c worth," but buy it *by the pound.* It should not cost you over 10c per pound, but if you *ask* for "10c worth" you are not likely to get more

than four ounces. No, I am not insinuating that the druggist is dishonest; I am only, as a former druggist, putting you wise as to how to ask for and buy the cheaper drugs. As for honesty and fair dealing, the average druggist will not suffer in a comparison between him and the average poultryman.

The most abundant and useful of all metals is iron. A nation's progress in civilization can be fairly guaged by the amount of iron it uses. Universally diffused throughout the mineral kingdom and an important element in vegetable and animal economies.

In the animal economy iron is an essential constituent of the red corpuscles of the blood; in anaemia the blood is deficient in iron not because there exists less iron in the red corpuscles but because where there is anaemia there are fewer red corpuscles. One of the reasons why it is necessary to supply out "shut-in" fowls with an abundance of "greens" is the bird's need of the *mineral salts* the vegetables afford in an easily assimilated form. And chief among these minerals is iron. Greens particularly valuable for their iron content are lettuce, spinach and freshly cut alfalfa and clover.

Iron is one of the few metals which are not deleterious to the animal economy. It is preëminently a tonic in run-down conditions and blood impoverishment from any cause. It should not, however, be given to fowls suffering from any inflammatory diseases, as it excites the circulation and will increase the fever, thirst and difficulty in breathing.

Preparations of iron, available and desirable with poultry.—The practical question arises—which of the preparations of iron are best adapted to promote the formation of the red content of the blood, are most easily assimilated, readily obtained and inexpensive? Probably the most easily assimilated is metallic iron, or as known in the drug store, reduced iron or iron by hydrogen, administered with the food and not on an empty stomach. Dose to an adult fowl, one to three grains, twice a day in the form of a pill or powder.

This "reduced iron" yields the largest proportion of iron to the gastric juices, but there are two serious objections to its employment by poultrymen,—first, the labor and time required for the preparation and individual administration and, second, the difficulty, owing to its liability to oxidation and consequent deterioration, of buying a really good article of reduced iron and keeping it so. If, however, the poultryman has only a few birds that need treatment and he can procure from his druggist 3 grain pills of the carbonate of iron (Blaud's pills), made by a reputable manufacturing pharmaceutical house, we would advise purchasing a hundred pill package and giving each bird one pill a day. One hundred pills can be purchased for 25c. Probably, though, the preparation of iron that is most desirable for the poultryman's medicine closet, convenient, safe, active and inexpensive, is the tincture known as the tincture of the chloride or muriate of iron, or more often simply as the "tincture of iron," and obtainable in any drug store for from 5c to 10c per ounce. It is one of the most active and certain preparations of iron and can be given in the drinking water.

Anaemia, which is a condition of the blood, characterized by lightness of color, loss of albumen and fewer than normal red corpuscles, evidence of which condition is shown by a light red or yellow comb and wattles, listlessness, poor appetite and failure to make normal growth or flesh. Fortunately anaemia is no longer common, owing to better care, and the knowledge that air and sunshine in sanitary surroundings are essential to the fowl's health. A teaspoonful of tincture of iron should be added to a pint of their drinking water and this should be continued for several weeks, gradually reducing the amount of iron given. To enumerate other or all diseases of poultry in which the administration of iron may be helpful is beyond the purpose of this article and superfluous, if you but keep in mind that iron is emphatically a *tonic.* It is useful after all debilitating disorders to "tone up" the system through the circulation. In using sulphur in the mash as indicated in our former letter, we esteem it a very desirable assistant to the sulphur to occasionally add a teaspoonful of tincture of iron to the drinking water.

Caution.—Do not mix or combine tincture of iron with any vegetable tincture, for the iron will be thrown down in the shape of insoluble tannates. We consider this caution necessary, for we frequently see recommended in the disease department of poultry journals the use of iron with nux vomica and even belladonna, and as those are drugs of high potency, such combinations are peculiarly dangerous.

Do not attempt to give your fowls a course of iron treatment by placing iron nails or filings in their drinking fountains; the resultant yellowish-brown deposit on bottom and sides of vessel is only rust and adds no medicinal value to the water.

Do not imagine that by dissolving copperas (the impure sulphate of iron) in their drinking water you are giving them an iron tonic. When iron is combined with a mineral acid, such as sulphur, phosphorous, etc., the best authorities claim that *the combination adds no iron to the blood but acts solely as an astringent.* Copperas is by no means a safe internal remedy for poultry; in solution in water it is a powerful disinfectant and arrester of decomposition, but even in this connection, it is considered to be of but feeble value as a germicide.

Our interest was recently aroused by an article appearing in a well-known and widely circulated farm journal, giving a highly endorsed (by the correspondent) formula for an egg-laying compound. The principal ingredient was copperas with generous additions of venetian red and cayenne pepper and smaller portions of blue vitriol and saltpetre. If his birds didn't lay more eggs on that "seasoning," they should have shelled out a few bombs of "red fire."

Without potassium and its numerous and invaluable salts, the world of industry, the arts and the medical practitioner would indeed be at a loss.

As we pass in review these and other preparations of potassium with the view of their recomendation for use in the "doctoring" of poultry, we find that we cannot conscientiously name but one or two whose therapeutic value cannot be as well and more economically obtained *by other agents.*

Cream of tartar is a mild saline cathartic and Rochelle salts (a tartrate of potash and soda) is also a cathartic of somewhat more vigorous action, but if you have occasion to use a laxative or cathartic for your birds, *Epsom salts* will *cost you less* and give equally good results.

We have at sundry times in various poultry publications noted the advising of iodide of potash for rheumatism; it doubtless is good, if the treatment is sufficiently prolonged, but in view of *its cost* and the fact that rheumatic conditions can only exist or be developed under conditions of neglect or improper housing, the best remedy is to locate and correct the error.

The chlorate of potash either alone or mixed with sulphur is sometimes recommended to be dusted into the throat in inflammatory, cankerous and diphtheritic disorders and without question the action of these drugs on such surfaces is very efficient, but we think the better way of applying the chlorate would be to dissolve one part in ten parts of glycerine and swab it on the diseased membrane. *And it is a safe rule to never mix the chlorate of potash with any other drug. Adhere to this rule and you will never invite an explosion.*

Permanganate of Potash.

In visiting the poultry yards of the country it is surprising to see so many fowl being served with *pink tea* in place of pure, sparkling, fresh, clean water. In reading the advice tendered in the poultry press, considering the many diseases and conditions for which a solution of permanganate is recommended as a specific and cure, one is fain to infer that for poultry it is the "elixir of life." Owing to its popularity and its widespread use, it requires some moral courage to throw a doubt on its efficiency.

In the writer's opinion, *permanganate of potash is the most overrated drug in use by poultrymen.* In consequence of the facility with which it parts with its oxygen, it is a powerful oxidizing agent, but as *it can yield up only the oxygen within it,* its powers are limited even in this field. It is efficient as a disinfectant in lessening and destroying fetid odors from organic substances.

It may be kept indefinitely, *if pure,* and can be fully secured from contact with organic substances or other decomposing agents, but, in fact, in consequence of the almost universal presence of organic matter *in the air,* it is generally partially decomposed when purchased or in ordinary handling becomes so.

It can have but little value *as an internal remedy,* given through the medium of the drinking water, for even allowing that exposure to the air has not affected it, *the saliva of the mouth and the secretions of the gullet and stomach will decompose it before it can be absorbed.*

EDITORIAL

WE LEAD OTHERS FOLLOW

65,000 A. P. J.'s for May, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the May, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of April, 1914.
(Seal) HENRY G. EISERT, Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

1914 Year Book Now Ready.

AFTER working hard all winter and the expenditure of many thousands of dollars, the editors of the great American Poultry Journal Year Book for 1914, are pleased to announce that it is now completed and ready for mailing. It has been a gigantic task to publish this book, but we believe our "Billion Dollar Poultry Industry" is entitled to a representative book of this character published in its interests. This book undoubtedly contains more information on the poultry industry of this country than any other of like character ever before published. Its contents are so large and varied (covering every branch and part of the industry) that space will not permit enumerating them here. But a full page advertisement will be found on page 774 of this issue of the Journal which will give an idea of the great volume of information the book contains.

Turn to page 774 now and read about the great American Poultry Journal Year Book for 1914 and then send for it today.

The Chick Growing Contest.

IN April A. P. J., page 653, we announced a Chick Growing Contest, in which we offer Fifty Dollars in Cash Prizes. Full details of this contest were printed in that announcement and will be found elsewhere in this issue. (See page 778.)

We have had a very gratifying number of readers ask to have their names entered in this contest. There is still time to enter, if you wish. It is a grand opportunity to do a little work that will help to boost your favorite variety. Photographs of growing chicks of your variety and a little story of how they grew and what the weights were, is certain to stimulate a lot of interest. We want your entry. You owe it to your favorite fowls to do your share.

Look up the Contest announcement in this issue and send in your entry today. There are ten cash prizes, and you may win one of them. If you don't win a prize, good pictures of growing chicks of your variety will help to advertise you and your favorites. It is well worth the effort. Get into the Contest and show what you can do.

Several who have entered ask how many chicks we want in the photo groups. That is up to you. Try to get a good picture that shows up the chicks well, and don't have them too crowded. What you want to do is to show off the chicks to best advantage. It is to your advantage to make the best showing you can.

Be sure to enter the A. P. J. Chick Growing Contest and try to win one of the prizes. Look up the announcement now.

Censoring Advertising.

AMERICAN Poultry Association has announced its intention to appoint a committee to censor advertising and endeavor to compel the elimination of misleading statements in poultry advertisements.

It will be interesting to see how this works out. Apparently the buying public has come to expect extravagant statements in ads. and unless the claims are boldly and even extraordinarily made, the buyer's attention wanders to the more golden promises. In view of the character of advertising in all lines of business, the fact that opinions vary widely, and that there is still to be discovered a breed, a cure-all, or an article of poultry equipment that fails to secure endorsement and testimonials from prominent members of the poultry fraternity, we wonder where and how the line is to be drawn when it comes to ad. censorship.

The following quotations were taken from the April advertisements of men who stand high in the poultry world. We wonder if the proposed committee would find these statements misleading.

"The only breed that stands up to the 100% as a market proposition. The only breed that can answer 'present' when the name utility is called. The only breed that can produce meat and eggs in abundance." (Is there any breed that can prove its claim as the "only breed" having such merits? As a matter of fact, the breed for which these claims are made is comparatively new in this country. It has not been proved up in a practical way and it is almost unknown to utility breeders and "meat and egg" producers. Further, there are a number of good breeds that can answer present to the call of utility and that produce meat and eggs in abundance. Ed. A. P. J.)

In half a dozen ads. of the same variety we found the statement: "More first prizes than all other competitors." It might be difficult for each of the six to prove his claim.

A utility breeder of prominence, though we do not recall his ever winning at a big show, prints in his ad., "Prize winners at all the leading shows."

No less than a dozen varieties are advertised as: "The most popular breed in America."

Another variety comparatively new in America is advertised in this wise: "The —— surpass every other breed on earth as a table fowl. If you want either stock or eggs you must come to the man who put the —— on the American map."

The A. P. A. in its own advertisement, and referring to itself, says: "On its shoulders rest this gigantic Billion-Dollar Industry"; also the ad. reads, "The Standard of Perfection is the official guide for the breeding, mating and judging of all poultry."

Yet a prominent A. P. A. official advertises his variety like this: "The ——

—— are the Standard by which all other —— —— are judged.''

Try to reconcile the censoring committee and the statements in last two paragraphs. Maybe censoring, like charity, should begin at home.

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Permanganate of Potash as a Poultry Remedy.

IN another column we print an article by J. H. Petherbridge, entitled ''Poultryman's Practical Dispensatory.'' Mr. Petherbridge, as a practical pharmacist, should know what he is talking about. We are glad to note that he makes an attempt to explode the silly ''poultry panacea'' belief in permanganate of potassium as a cure-all for poultry ills. We are sorry that he did not bear down harder on the foolish use and abuse of permanganate of potash.

In many of the poultry yards we visit, and at every show, we find ''pink tea'' being served to poultry. There is something about the pretty color that permanganate of potash gives to drinking water, that helps the poultryman to believe that he has a wonderful remedy. The real remedy part of it is mostly ''Christian Science,'' so far as any actual benefit from the drug is concerned.

We have been treated to ''parlor talk'' Government Bulletins and articles and poultry literature, ad nauseam, extolling the wonderful remedial virtues of permanganate of potassium used in the drinking water for poultry. It has been promoted as a cure for various ills, and as a great preventive of disease. We see the dope and the purple-tinted water everywhere, and some of Uncle Sam's experts and State experimenters have pronounced it good. It has been a pretty little game of follow-my-leader with the drinking cup full of prettily purple-tinted water.

Such use and abuse of permanganate of potash should be stopped. It is not a good poultry remedy when used in drinking water. Unless the solution is freshly made and is strong, it has little virtue as a disinfectant or disease preventive. Permanganate of potassium unless kept in tightly-sealed, dark bottles spoils quickly. The solution in water decomposes rapidly and loses its usefulness. The strength of solution commonly used is such as to make it of practically no value for the purpose for which it is used, even if the solution would keep, which it won't.

Aside from its prompt decomposition and general uselessness, as commonly employed, permanganate of potassium used frequently in the drinking water has an action which should condemn its use. We don't know just how or why it acts in this manner, but we have observed bad results in nearly 99% of cases where this drug was used in the drinking water. It is a clinical fact that it gives an offensive taste to the eggs, and that it may discolor the egg yolk. Aside from the fact that the solution as used is worthless, this fact should stop the practice.

Permanganate of potassium has its uses, but is no good in a watery solution unless freshly prepared and quite strong; then to be used as a disinfectant wash, but not as an internal remedy. We have found the drug very useful. We use pure crystals of permanganate of potash and grind them fresh as needed. Mix one grain of finely powdered permanganate of potash with one ounce of finely powdered, dry sugar of milk, and a little pulverized gum Arabic. Mix thoroughly and make fresh when needed. Apply to canker or diphtheritic patches with a blow pipe. We have used it personally and by proxy, thousands of times, and with good results every time.

Stop doping fowls and stop the use of ''pink tea.'' It is a bad habit to get into and does no good.

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"Util-i-t-e-e" and the Fancy.

WE WISH we had more time to devote to reading our exchanges, it is very diverting and almost as good as ''refined vaudeville.'' One of Editor Cornman's ''Timely Editorialettes'' in the April Poultry Item reads:

''Have you gotten hold of the new *utility movement* in poultry culture? The purely fancy fowl is all right in her place; but to build a poultry business on her as an exclusive foundation



First prize young Indian Runner drake at Trenton, N. J., Interstate Fair, 1913. Bred and owned by E. G. Curtis, Atsion, N. J.

is folly. Get after the 'business hen.' She is the coming thing in poultrydom. In fact she is the thing today. Flowers are beautiful and of very great value; but the man who hasn't vegetables as well as flowers is in a rather bad way. *utility* comes before *beauty.*''

Now, who'd 'a thought that of ''Corney''? Wonder where he has been all these many years. Remember when Felch and Hawkins and Williams and Rudd and hosts of others used to convene with the Massachusetts Board of Agriculture and spout about utility breeds and practical poultry? In the ''good old days'' these men had a lot to say about *combining* utility and beauty. Remember how H. H. Stoddard in the Poultry World and American Poultry Yard (a weekly) used to spout about practical values and *utility?*

Go back as far as you like, hasn't almost every new breed or variety been exploited as possessing much utility value and, especially the American varieties exploited as *''general purpose fowl''?* Don't the English say that they built their standard with a view to conserving eggs and meat values? And are not some of the members of the A. P. A. of today trying to mold our American Standard into such fashion that eggs and meat values shall be mainly conspicuous by their absence?

''New utility movement,'' grab it, get hold of it. What is it? Where is it? We mean the ''new'' part of it. Remember the old Boston Show held in Music Hall and how the word ''Util-i-t-e-e'' dandled before the old-time fancier used to be like shaking a red rag before a bull? Works that way now, don't it? Recall that discussion of the words ''fancier,'' ''breeder'' and just plain ''poultry keeper'' at the Atlantic City convention last summer? Pretty warm while it lasted, and not cooled off in some places yet, is it?

Someone referred to us in American Fancier a while ago as possessing ''the true fancier spirit.'' We hope we do. But we have never been widely advertised as a fancier and have leaned very strongly to the practical and utility side of poultry keeping. If we can qualify as a real fancier we will be mighty proud of it, for we honor the true fancier who puts his whole heart into developing something beautiful that breeds true. We like the beautiful and we like to breed and grow beautiful things, but we can't get over the feeling that ''handsome is as handsome does.'' We can appreciate and admire the man who is a fancier for fancy's sake, who works with a beautiful or odd thing until he makes it breed true, regardless of whether it possesses utility merit or not. We know we can't compete in his class, for, much as we admire beauty, or even oddity, we must have practical and utility values also. We've no use for mongrels and we do like uniformity and thoroughbredness.

''Corney's little editorialette'' is quite pat at this time when the American Poultry Association, built primarily for and by the fancy, is advertising that ''on its shoulders rest this gigantic billion dollar industry.'' Not that it really does rest there, or that anyone really knows the actual facts about the ''gigantic billion-dollar industry,'' but it gives the impression that it is a little late to put the foundation under the poultry business.

We take it that such ''utility movement'' as there is has been and is of sturdy growth like the oak and that it has been developing many years. Both the fanciers and the strictly utility men have had a hand in it. The utility men are growing and developing fancier traits, are becoming fanciers. Some of the fanciers are more tolerant and less excitable about ''util-i-t-e-e.'' We are all of us getting a little broader minded and able to see a bit more clearly, as we should. Utility is not a mushroom growth, grown overnight.

We need and must have the fancier, likewise we need and must have the utility man, but we should give all the encouragement we can to the man who can combine fancy and utility. We don't think it is quite fair to speak of vegetables and flowers. Both vegetables and flowers are the work of fanciers; if they had not fancied, bred, culled, developed, specialized and standardized both vegetables and flowers we would not have such a wonderful array today. What was the humble and neeessay potato before a fancier found it and standardized its breeding? Beauty may come before utility or it may come after, but the fancy and utility, the beautiful and the practical, should go hand in hand.

Combine beauty and utility, Mr.

Cornman, for best results and to keep up the interest in good work; and for just relaxation and pleasure let's also have the good there is in just fancy for fancy's sake.

Shipping Day-Old Chicks Safely.

IT is the duty of every shipper of day-old chicks to so box the chicks for shipment that they will arrive in good order and with fatalities few and far between. Careless boxing may result in loss and disappointment for the customer. A disappointed customer seldom orders again.

In boxing day-old chicks, they should, so far as possible, be safeguarded against rough handling during transportation. It is not safe to pack 50 or more baby chicks in a smooth-bottomed box and then turn them over to the tender mercies of the expressman. The smooth floor of the shipping box does not give the chicks any foothold. Chicks that slip and fall down on a smooth floor are apt to stay down and be trampled on or killed. That means a disappointed customer.

This spring we opened a two-compartment shipping box, containing 100 chicks, shipped only about 10 hours journey, and about a dozen chicks were found trampled flat, soaked with the droppings of the other chicks and almost dead. The floor of the box was smooth and bare. It gave no foothold to the chicks, and when the box was tilted or roughly handled during shipment, some of the chicks went down and stayed down to make a foothold for the others. Luckily these chicks, in this instance, were not past help, and by drying them out in a warm oven, all but one were saved. They were particularly vigorous chicks. Had shipment been delayed a few hours longer on road, the chicks that were trampled would have been a dead loss.

It is a mistake, too, to use short, loose litter or chaff on the floor of a shipping box for chicks. Such practice is liable to result in loss by smothering chicks.

The best shipping box for chicks we have seen this season, was a home-made affair, made from waste box material. The inside dimensions for compartment or box for fifty chicks, were 12½x15 inches, and 4½ inches deep. The floor of the box was carpeted with a double thickness of burlap sacking, tacked down securely, and this was covered with a thin layer of long hay, making a fine footing for the chicks. The top of box was covered with two thicknesses of burlap sacking and a wooden bar or cleat handle was fastened across middle of top of box. Besides serving as a handle, this cleat prevented setting other boxes on top of chick box. This type of shipping box is made single for 50 chicks, or double for 100 chicks, and 300 chicks can be included in one parcel, by cleating three such double boxes in tiers, one above the other, allowing a two-inch open space between the boxes. Distance shipments have been made with this carrier without the loss of a single chick.

Each shipment is conspicuously labeled in big black letters as follows:

LIVE CHICKS

EXPRESSMAN: Please be SURE and keep this box of Chicks LEVEL, DRY, OUT of the SUN, and AWAY from FIRE or HEAT, as there is DANGER of KILLING them.

RUSH.

Trying to Satisfy the Kicker.

DURING the last two weeks of March we had more complaints sent us by dissatisfied buyers of stock or supplies, all from different advertisers, than we ever had before for a like period. Each of these we investigated carefully, and, in our opinion, the complainant was the one at fault in each case.

One man purchased three breeding birds for $15. When they arrived he was dissatisfied with them, and so wrote the breeder. The breeder immediately responded with a letter saying that he always desired to satisfy every customer, and rather than have the buyer feel disappointed and dissatisfied, in this case, he would cheerfully make any adjustment the customer considered right. The buyer asked for a refund of $10 to close the matter; and he got the $10. Then he sat down and wrote us a long letter of complaint about the breeder, and how unsatisfactory the birds were. We do not consider that the buyer acted fairly or honestly in this matter, for he certainly wrote us with intent to injure the breeder, after having accepted settlement from him, and on the complainant's own terms.

As to the birds, he lost two of them, and very likely through his own fault, but the breeder had done his best to make the adjustment satisfactory. When it comes to dissatisfaction with purchased goods, the disgruntled buyer can always find plenty of things to find fault with, in fact, under such circumstances, he seldom can see anything whatever that is all right about the unsatisfactory purchase.

In another instance, a shipper of market eggs wrote us a complaint about a dealer to whom he had been shipping. We investigated the dealer and his methods and also wrote to the lawyer who has handled the complainant's claim, which in this case also had been settled. The lawyer replied that the dealer stood well in the community, had a good reputation for honesty, and always settled all his accounts promptly, although in the case cited, he had disputed the claims and had not settled the account until satisfactory adjustment was made, when he paid promptly. Further correspondence with the complainant developed the fact that he merely "wished to warn us" against the dealer, because he had seen his name mentioned in our Journal. It appears to us that so far as honesty and square dealing goes, the dealer has the best of it in this case.

Another buyer complained about hatching eggs, for which he paid a good price, and which ran a large per cent. infertile. Investigation developed that he had received without charge, a full sitting to replace the ones he found fault with, and that he got a fair hatch from the first sitting.

One other case started last fall, when the buyer bought a $10 breeding male. It arrived with leg broken. He reported trouble, endorsed on express receipt, and got another male by return express, the shipper assuming the recovery from express company. The second bird shipped was reported to have died soon after arrival and the breeder, anxious to satisfy the customer at any cost, sent a third cockerel in response to a long, pathetic, hard-luck letter from the buyer. We got in touch with a neighbor of the buyer and found that the last two birds shipped were both alive this spring. The second bird had been ailing, but had not died as reported. Evidently the second bird came so easy, the buyer, hoping to get another, did not wait for it to die before reporting it dead. Yet he was not satisfied, and registered a complaint with us.

We haven't any patience with this type of kicker and consider them not only dishonest, but malicious. Having already cheated the breeder they seek to injure him. It is well known to observers of humankind that certain types of mentality are so made that they invariably seek to injure those who have already suffered injury or injustice at their hands. It is contemptible business. There is no satisfying kickers of this type.

Then there is another type of kicker, equally undesirable, and a most uncomfortable one to meet, either personally or through correspondence. This is the nervous type of "nagger," who can never get over a disappointment or fancied wrong in the purchase. He makes the seller's life miserable until he effects a settlement. When the settlement comes, it seems so easy that he



Buff Orpingtons

Fashion Plate Strain

EGGS EGGS EGGS

May is the month to hatch the winning December pullet—no hot sun to destroy the bloom when she comes to second molt. If the backward spring caused you to withhold purchases, buy now and raise your winter layers.

See the **Fashion Plate Book,** 28 yards mated for eggs, Buffs in natural colors, over 40 other illustrations, 56 pages, **Free.**

A. E. MARTZ & SON

Buff Orpington Specialists **Box A, ARCADIA, IND.**

wishes he had asked for more, and because of that he gets a further "grouch" against the seller, and writes still more nagging letters. He tells his grievances so often that he believes in them himself and adds a little to his hard-luck tale each time and believes that. He nags about how he was cheated and defrauded continually, and makes life a burden to his friends and to the editors to whom he carries his complaint. It is not possible to feel much sympathy for a hard-luck story purveyor of this sort, yet we do feel sorry for him, for he is a sick man and has let his nervous system get into a bad rut and run away with him. He makes himself miserable and all who come in contact with him likewise.

Sometimes kicking is legitimate and useful, but to acquire the habit of chronic kicking is a curse; not only to the kicker, but to many others. When a disagreement or disappointment occurs in business dealings there is often fault on both sides. Before one seeks to lodge a complaint against the other party to any transaction, he should first make sure that his hands are clean and that the fault is not his own.

Don't be a chronic kicker. If you are disappointed in a business deal, and get an adjustment on your own terms, for goodness'-sake don't keep "squealing." After settlement drop the matter and forget it.

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If You Don't Get What You Want, Work and Ask for It.

IN his admirable articles on Parcel Post in February and March American Poultry Journal, H. H. Stoddard predicted that we would soon be mailing eggs in crates, and farm produce in regular carriers, outside of the mail bags in which smaller parcels are handled. He pointed out that the great fundamental idea of the new Twentieth Century distributing system is that the producer must reach the consumer direct. Some small progress is being made in that direction and is being fought at every step by the express companies and the big distributing interests of the trade. Express companies and the middlemen don't want us to have a REAL parcel post, it interferes with their profits.

We are still a long way from having a real and efficient parcel post such as is enjoyed by the people of foreign countries. We may get one in time, if the people of this country work hard enough and ask often enough for it. We are not likely to get what we want unless we demand it, keep on asking for it and make use of it when we get a chance. The way to get a real and efficient parcel post is to make your wants known to the Postoffice Department at Washington and to make your Congressman understand that unless he works for a real parcel post as good as that in operation in Great Britian, or better, that he will not get your vote.

The Postoffice Department has taken preliminary steps in the right direction, but it stopped just a few pounds short of making the first steps of real value. Ten cities: Atlanta, Baltimore, Boston, Detroit, LaCrosse, Wis., Lynn, Mass., San Francisco, St. Louis, Rock Island, Ill., and Washington, D. C., were selected late in March to begin the work of establishing direct connection between producer and consumer, and the postmasters in these cities have begun the work of securing a list of names of "persons who are willing to supply farm products in retail quantities by parcel post." Printed lists of these names are to be distributed among city and town postmasters.

Further, Postmaster General Burleson has issued an order permitting the use of crates and boxes for butter, eggs, poultry, vegetables and fruit shipped by parcel post. Packages weighing less than 20 pounds must be specially packed according to former rules and will be carried in mail bags as before. Egg crates, boxes and packages of farm produce weighing 20 pounds and *not over* 50 *pounds* may be shipped by parcel post in the type of package that has been commonly used when shipping by express. Live poultry or day-old chicks cannot be shipped by parcel post.

The present, long established, most convenient and most economical way to ship eggs is in regular cases of 30 dozen each. The best way for the town dweller to buy eggs is in a 30 dozen case, neighbors and friends can club together and buy a case a week, where the families are not large enough to conveniently use a full case for one family. This is being done and has been done for a long time, but the Postoffice Department did not take the trouble to find out that the 30 dozen case is the best shipping unit available at this time. Best selected eggs will average above 50 pounds to the 30 doz. case. John Stewart of California has published the statement that Petaluma Leghorn eggs will run 56 to 62 pounds to the case.

Postmaster General Burleson's experiment in handling eggs by parcel post would have more beneficial and far reaching results if the commercial, returnable, egg case had been taken into consideration. Although the parcel post proposes to handle eggs in regular cases, its present (April 10th) rules *forbid it.* You can't send a case of eggs by parcel post. The rules set the *weight limit* at 50 *pounds* for parcel post packages, and a 30 dozen case of good eggs weighs *more,* than 50 pounds. There is also a *size limit* for parcel post packages which is that the length and girth of package, added, shall not exceed 72 inches. The length and girth of an egg case is nearly 80 inches. So, you will see that while the parcel post pretends to experiment with shipments of eggs in case lots, the postal *rules do not permit it;* for a case of eggs is too large in size and too heavy to be accepted as parcel post matter. No doubt this will be remedied in time, but it is a good thing to call to the attention of the Department.

Congress has fought the increase in weight limit for the parcel post, the express companies are against it for it hurts their business. When the ruling was made that live chicks and fowls could not be shipped by parcel post, express rates on live poultry and chicks were advanced in several parts of the country. Unless the Postoffice Department makes a ruling that will permit shipment of full cases of eggs, it is probable that there will be an increase in express charges on eggs in case lots also. If the postoffice experiment of giving the public the "full benefit of the parcel post" by "establishing direct relations between the ultimate consumer and the original producer" is to be of real benefit, instead of a bluff and farcial sop to public opinion, then the rules should be so amended to admit sending full cases of eggs by post. Advance the weight limit to 100 pounds, as was at one time



Crusader III, a Boston Winner

May for Regal Chicks

I have always maintained that the month of May is the very best month to get out the chicks for the January and February shows. On account of the severe winter and the cold, late spring, the May eggs should have an additional value this year. Fertility will be at its best and when the chicks come out you will have the fine spring weather to give them the desired quick growth. At the Boston show, 1913, I had five cockerels and eleven pullets under ribbons in the single and pen classes. Not a single bird was hatched before May 20th of the preceding spring. Why not choose this month to become acquainted with

REGAL WHITE WYANDOTTES

I guarantee a good hatch. Eggs for hatching from twenty beautiful exhibition matings, $5 per 15, $9 per 30, $12 per 45, $24 per 100. Pens 21-26 (Dorcas Line) $5 per 15, $15 per 50, $27 per 100. Utility Eggs, $9 per 100. Special Matings, $10 per 15, $18 per 30, $25 per 45.

FREE—Send for 20-page illustrated catalogue and mating list.

John S. Martin : Box 51 : Port Dover, Canada

promised, and increase the "length and girth" limit to 100 inches.

Trade publications are skeptical about the handling of butter, eggs, poultry and produce by mail. They raise the question of "quality," "differences between customer and producer," and other imagined obstacles. As they represent the middlemen, the shippers, packers and dealers, it is to be expected that they will be pessimistic about the increased utility of the parcel post. Quality won't suffer. There are a lot of farms now doing a direct to consumer business. The up-to-date producer knows that he must deliver quality and satisfy his customers. The best eggs now consumed on city tables, don't go through the regular trade channels, but are shipped direct by the producer. More will be so shipped when we get an efficient and real parcel post. Most of us know something about the "quality" of the "fresh eggs" of the market. It doesn't matter how much the middleman squeals, his days of golden harvest of profits on goods someone else worked hard to produce, and for which he paid the lowest price he could, are drawing to a close. There are better times coming and producers are going to deal direct with consumers, more and more as time flows on.

The elimination of the middleman may not lessen the high cost of living, it is probable that cost is up to stay up, for reasons that should be obvious, but a more effective and better distribution by parcel post will effect a small saving for the consumer, insure him better quality and better foods, and it will give the long suffering producer a chance to get a better living and put by a little for the "rainy day." The producer has been underpaid and robbed quite long enough.

Keep in touch with parcel post progress. If you don't get what you want, —*work* and *ask for it.*

As we go to press we note that one more thing American Poultry Journal has worked and asked for is bearing fruit. The Postoffice Department has issued orders that hereafter a letter, bill, or other first class mail matter, provided it is duly addressed and properly stamped with the required amount of postage, may *be attached to the outside* of parcel post matter. This is a step in the right direction. The law does not permit a parcel post package to be sealed and writing cannot be sent *inside* of a parcel post package, if this should be done the whole package becomes first class matter for which two cents an ounce is demanded,—don't forget this. But, you may attach a properly stamped letter to the *outside* of an unsealed package.

Keep right on asking for what you want and you'll get it in time. There are good times coming. The parcel post is young yet and there is a lot of wealthy opposition. The *people* don't rule in this country *yet*, but they *can rule* if they keep everlastingly trying for it. *Wake up* and *get busy!*

"The High Cost of Living."

WE hear a great deal about "the high cost of living" and certain it is that the cost IS high. It has been worked to the limit as political capital. We have been told in the press and by public speakers about many things that were sure to "reduce the high cost of living." Some of us fondly believed that the revision of the tariff and the new currency act, might in some mysterious way help lessen the cost of living, the newspapers said so and some believed them, but, though we have new laws, the cost of living stays up and keeps climbing higher. Our lawmakers knew that such would be the case, even while they proclaimed the blessing we were about to receive.

It is quite probable that the cost of living cannot be reduced very much. It is also obvious that it may be better to earn and receive more money, be better paid, even with high living cost, than to have wages cut down and a lesser cut in cost of living. Few of us would be content to live as did generations that have gone before us. We wouldn't, if we could help it, live as did our grandmothers and grandfathers. Population was thinner in those days. Some things were easier come by than now, but many things, we now consider necessary, could not be had at all. Natural resources were abundantly drawn on in the "good old days" and in some things our forebears were prodigal and wasteful; but could they return and see us, how extravagant and wasteful would they deem us?

Our population has increased by amazing leaps and bounds. Deserts have been made to bloom and are now being cut up into farm homesteads. Some of our farmers have over-worked the soil without preserving its fertility, some have cut our forests without provision for conservation; plenty came so easy that no thought was taken of protecting the source. Farm living comes hard, farm produce has sold low and tenant farmers have stripped the farms for immediate profit without thought of the future. Everywhere the prevailing thought has seemed to be that with so vast and fertile a country the resources must be inexhaustible. Waste is everywhere and we keep right on wasting. We continue to let steamship companies dump all sorts of immigrants on our shores to increase the population and the average quality isn't up to that of our "immigrant ancestors"; not by a long way.

Every four years, and in some States and most communities every year, we get all worked up and excited over politics and saving the country, or saving the community, but the men who work at and study politics the year around, instead of periodically as do the voters, are the ones who tell us how we must be governed and what we shall and shan't do. "The sovereign people" is a phrase to juggle and flatter with and to get votes with. It might mean a whole lot and if it meant more it would mean better times and a better living for everybody. The people



CHIEF WINAMAC 5th
1st Cockerel Indianapolis, 1914

Keeler's White Wyandottes

Eggs are remarkably fertile this year and hatch extra well, so that at this date, April 15th, I have something like 2,000 chicks of my

World's Greatest Strain

so, on and after May 5th, eggs will be sold at half price. $20 eggs now $10; $15 eggs now $7.50; $10 eggs now $5; eggs from my 8 regular matings, $3 per 15; $5.50 per 30; $10 per 60; $15 per 100. My 64-page art catalogue describing the 16 best matings of White Wyandottes in America **free for the asking.** (5 red stamps appreciated)

BABY CHICKS I will spare a limited number of baby chicks for May delivery at 60c each from the $5 eggs, $1 each from the $10 matings and $2 each from the $15 and $20 pens. Baby Chicks for June delivery, 30c, 50c and $1 each. State your wants plainly and address

Keelersville, CHAS. V. KEELER Prop. and Mgr. **R. 11, Winamac, Ind.**

Myers' Barred Plymouth Rocks



The Pullet Breeding Line

AGAIN makes another Madison Square Garden, New York, show record. THEY REPEAT, and for the second time in succession I won FIRST PRIZE HEN at this greatest of all shows, also Special for **CHAMPION FEMALE.**

My complete record is: **Hen, 1st. 5th; Pullet, 2d. 3d; Pen, 3d, and Special for Best Female in the Class.**

This, with my former winnings at this sohw, Philadelphia, Hagerstown, etc., made with birds of MY OWN BREEDING tells the story of their quality and worth.

After May 15, will sell a lot of my breeding birds at reduced prices to make room for growing young stock.

These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder who wishes to improve his flock and breed choice exhibition and quality birds. They are the kind to bank upon for success. I sell in lots and quantity to suit, and assure absolute satisfaction.

Selected Breeding Cks. . $5, $7.50, $10, $15
Selected Breeding Pullets . $3, $4, $5 to $10
Trios . . . $10 up Pens . . . $15 up
A Special Pen of Male and 4 Females . $25

Remember I select and mate all birds sold. Write me your wants.

EGGS FOR HATCHING

Catalog free. Let me send this to you—it tells the story of this line in breedings, winnings, matings, etc. It also describes the birds, with prices and general information. Write today.

C. N. MYERS, Box A, Hanover, Pa.

could rule if they would give sufficient time and attention to it, but they don't. "Public opinion" is made in newspaper offices at the instigation of those who are willing to pay for making it. Read half a dozen different papers, representing as many different interests, and it will help to give you a better understanding of how the public mind is played upon and how "public opinion" is manufactured. Don't read just one paper, read many and learn to think for yourself.

Men do not seek government offices on account of their health or because they are particularly concerned about the rights of the people. Most of them are concerned in matters more directly and deeply affecting their own personal and selfish interests. The time when they are most concerned about the "rights" and the "will of the sovereign people" is when they are seeking votes. It is the same old story year after year. The bell-wether jumps through the gap in the fence, with a great jingling of bells, and the rest of the sheep scramble wildly after, though they don't know why. It is probable that if you were not told about it and did not read about it, that you would never know the difference as to which party was in power, so far as the results concern you. The exciting clamor about party helps to keep you in line like the sheep just mentioned and your competitive instincts are played upon to keep you from thinking for yourself, and to see that you let your political bell-wether do your thinking and leading for you. It's a beautiful system. Think it over and next time you consider "the high cost of living" do a little thinking for yourself and don't be in too great a hurry to swallow ready-made opinions.

The cost of living is high. It is going to stay high. We will be fortunate if we can keep it from going higher and if we can increase our means to meet the increased living cost. It costs more to produce foods than it did. The producer has in most instances been under paid and he must now get more. The middleman has been hoggish and has gobbled big profits to live in luxury, and keep a garage full of high priced cars, and he needs to be taken in hand and either eliminated or made to mend his ways. The producer must take into consideration the production cost and must fix the price of his own goods, instead of taking what he could get as heretofore.



SENSATION IV.

Winner of first prize and color special at Madison Square Garden, New York, Dec. 26-31, 1913, in what was universally conceded to be the grandest bunch of Reds ever shown. Bred and owned by Red Feather Farm. Also won fourth cockerel and second pullet. Box 100, Tiverton-4-Corners, R. I.

The big ranges of the West are becoming farm homesteads and up go the fences. Cattle can no longer be grown for almost nothing on ranges that cost only the herders' wages. Poultry and eggs have outgrown being simply a farm by-product fed largely on waste. It costs more to produce beef, poultry and eggs and the price has to go up. A great many farmers are not getting more for their produce, but they should. Some producers are being frightened into accepting low prices because the big-monied distributing interests have been importing beef, milk and eggs in great quantities and told about in the alarming figures of pounds, quarts and dozens, which permits juggling with figures in millions and billions. If the producer attends strictly to business the scheme won't work.

An effort was made by the Boston contractors to lower the price paid for milk to Reading producers. To this end big importations of milk were made from outside the state and even from Canada. The Reading farmers were threatened with loss of milk contracts unless they lowered their prices. The price was already as low as it could be and allow the milk-farmer a fair living. The independent milk farmers combined on April 6th arrived in front of the State House with a big auto truck loaded with milk cans, and offered free milk to all who asked for it. They said they would do this as long as the Boston contractors held out for lower prices. Nine hundred quarts were given away because the producers said they didn't want to see it wasted and they refused to sell it unless they could have a decent price. The Governor made a short speech expressing his sympathy for the farmers declaring that it seemed to him that the proper solution is the elimination of the middleman, so that milk can go direct from farmer to the consumer.

"It seems to me," he said, "that the state should find a market for Massachusetts milk, and eliminate the cost and extra profits of the middlemen." The contractors capitulated and renewed contracts at the farmer's price.



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OF ALL THE

ORPINGTONS

Established 1873 **Box A, Scotch Plains, N. J.**

SPECIAL SALE of several thousand breeders, Buff, Black, White, Diamond Jubilee and Blue Orpingtons, to make room for young stock, special prices besides the TEN PER CENT reduction we can offer now, as the UNITED POULTRY FARMS, Inc.

Be sure and write your exact requirements TODAY, and you will get a SPECIAL quotation from us. You will NATURALLY get the best and purest blood obtainable from the ORIGINATORS, RECOGNIZED HEADQUARTERS for the BEST ORPINGTONS. MAY is a good month for hatching Orpingtons, as they mature quickly, so you can send in your egg order which will be filled without any waiting.

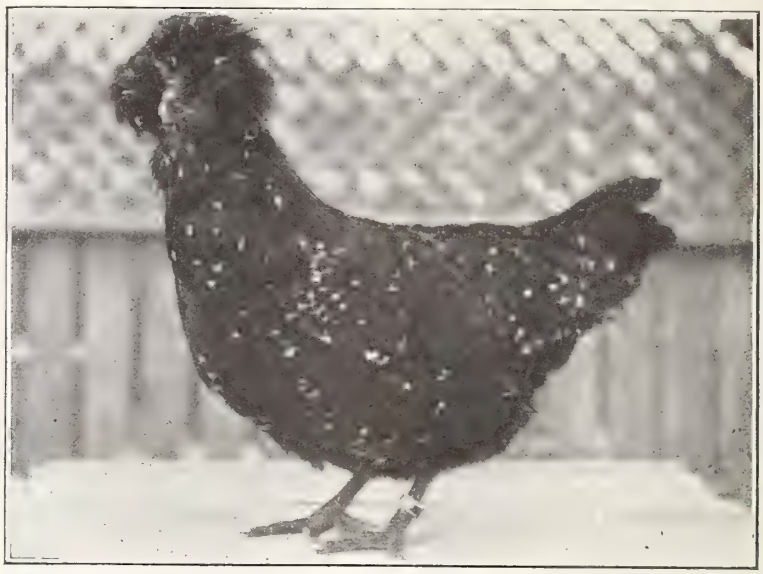
SEND 10c FOR ILLUSTRATED CATALOG, with history of all the Orpingtons and hints on poultry keeping. MATING LIST FREE. Over fourteen thousand first prizes won by us. Advice free. EVENTUALLY, if you want the Best in all breeds, you will send to the UNITED POULTRY FARMS, Inc., Scotch Plains, New Jersey. **Ornamental Land and Water Fowl for sale.**

The big importation of milk was mostly bluff to scare the farmers.

Eggs in lower Plymouth County, Mass., dropped in April to the lowest prices that have been paid in many years. The cost of grain and supplies stayed up. During the first week in April, in our immediate section, 18 cents a dozen "in trade" was the highest offering by grocer collectors. The trade organizations sent circulars broadcast to collectors and buyers to "keep the price of eggs down" and much was published to the effect that eggs should go into storage at 16 cents a dozen or less. Within twenty miles of our home the small farmer had to sell 6½ dozen eggs for $1 and all this time eggs in Boston were retailing for from 30 to 32 cents a dozen. A number of people, in our immediate neighborhood, who keep poultry decided to refuse to sell eggs for less than 24 cents a dozen. People always used to get panicy when eggs began to accumulate and the price began to drop. This time there were symptoms of a little improvement. It don't pay to keep hens all winter with production at low ebb and then sell the eggs at cost of the hen's food in March and April. Some of the producers began to "put down" eggs in water glass, others decided to hatch more chicks, as there is a good demand (greater than the supply) for chicks at 10 to 12 cents each and that is as good as 5 to 6 cents each for the eggs. It wasn't real coöperation, or really effective effort, but it produced results. Eggs became scarce in our neighborhood right at the time of high production, and within one week the collector, who had reluctantly and languidly accepted eggs "in trade" at 16 to 18 cents a dozen, was begging for eggs and offering 22 cents a dozen. Does that suggest anything to you?

Egg farmers need to get together and to work for their own interests. The cost of living is just as high on the farm as it is elsewhere. Production cost must be counted. The producer must get in touch with the consumer and must get a better price for his product. The consumer should not pay more than he is now called upon to pay, but he must expect to pay according to quality. The only way to get results is to cut down the fat profits of the middleman and to stop believing their glib yarns about the effective and efficient distributing channels they have established and must maintain. As a matter of fact these distributing channels are exceedingly wasteful, but not at the expense of the middlemen, and the producer and the consumer are the ones who have to stand the loss.

Don't worry over the high cost of living. Don't believe all you hear about the manner in which this high cost may be reduced. The way we live and the times we live in affect the cost. The cost of living may be expected to remain high. You, Mr. Poultryman, have to stand your share of the high cost and you must look out for yourself. Work for your own interests. Figure cost of production and do it right. Fix your prices where you can



Second prize Houdan pullet at the "Ontario," Guelph, 1913. Bred and owned by Harry Taylor, 82 Howard Park Avenue, Toronto, Ontario, Canada.

CAMPINES PRUDHOMME'S CAMPINES

If you are interested in this splendid breed send today for my booklet on CAMPINES. For quality vs. price I can save you money. Write, mentioning A. P. J.

DR. J. H. PRUDHOMME
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"SENSATION"
and RED PRINCE Strains of R. and S. C. REDS

Winners of 186 prizes at New York, Boston and Providence, since December, 1909, including 31 firsts, $50 cup for Display, Boston, 1912; Display New York, 1912-13, and State Cup for Display for six successive years at Providence, R. I.

EGGS AT "SENSATIONAL" PRICES. After June 1st all eggs above and utility grade at half the regular price. Plenty of time to hatch winners for the Winter shows. Stamp for Mating List.

RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 100, TIVERTON 4 CORNERS, R. I.

FOXHURST FARM BLACK ORPINGTONS

The Undisputed Champions of The World

Again Sweep the Imperial Madison Square Garden, N. Y. Show, Dec. 26 to 31, 1913

WINNING

Cocks—1st, 2d and 4th. Pens—2d.
Hens—1st, 2d and 3d. Prizes—$25.00 in Gold for the BEST display, three Silver Cups and numerous Specials.
Cockerels—1st, 3d, 4th and 5th.
Pullets—1st, 2d, 3d, 4th and 5th.

The competition was stronger than ever before and included teams of England's most noted winners, as well as Canada's and America's best.

REMEMBER OUR WINNERS OF LAST YEAR

December 31, 1912 to January 4, 1913

Cocks—1st and 3d. Pullets—1st, 2d, 3d and 5th.
Hens—1st and 5th. Pens—1st and 4th.
Cockerels—1st, 3d, 4th and 5th. Prizes—$25 in Gold for best display



No such records have ever before been made in the history of the N. Y. Show. From the matings of these Champions of Champions we GUARANTEE 10 live chicks TO EVERY SETTING OF 13 EGGS, another Record Offer. Prices:

$5, $10, $15 AND $20 PER SETTING

AFTER MAY 15 STOCK AND EGGS AT HALF PRICE

New illustrated catalogue now ready telling why, for SEVEN YEARS, we have been the largest winners at the World's Greatest Show. Big, wonderful breeding Cockerels, Trios and Pens of this Champion Strain for sale, mated for utility and exhibition, also Show birds guaranteed to win. When writing please mention American Poultry Journal.

FOXHURST FARM : LIME ROCK, CONNECTICUT, U. S. A.

get a good living and something more. Don't let anybody stop you. You have been working for others long enough. Now, work for yourself. Don't believe all the fairy tales you read about wonderful profits, even when distributed by Experiment Stations. Work out your own production cost.

—o—

A New Book on Poultry Diseases.

WE have just reviewed a new book entitled "Poultry Diseases" by B. F. Kaupp, M. Sc., D. V. S., who is Commissioner of Health, Spartanburg, S. C., and author of "Animal Parasites and Parasitic Diseases." Prof. Kaupp is a well-known writer and investigator of poultry diseases and was formerly Professor of Pathology, Division of Veterinary Medicine, Colorado Agricultural College and Pathologist to the Colorado Agricultural Station; formerly Professor of Parasitology, Kansas City Veterinary College and Director of the Anatomy Laboratory; formerly Veterinary Inspector, Bureau of Animal Industry, U. S. Department of Agriculture and chairman of committee on Disease of the American Veterinary Association, 1911.

From the foregoing it may be easily seen that Prof. Kaupp has a high standing in the medical world and is recognized as an authority on poultry diseases and his latest book, "Poultry Diseases" is certainly the last word in print on this subject. We quote a few paragraphs from the preface of the book: "This book is written to fill a demand from veterinary students, students in poultry husbandry courses at our agricultural colleges, for veterinary practitioners and for others interested in the scientific treatment of poultry diseases. An effort has been made to make the language so plain that all can comprehend the subject-matter, which is a summary of the thoughts from experimental research in the laboratory of pathology of the author and of many other investigators. For the purpose of simplication, the synonyms are given for the various names of diseases. Then follow, in order, the cause, or causes, the symptom, the conditions found upon post mortem examination, and lastly the treatment for each disease."

The book contains 185 pages, 5x8 inches in size and is profusely illustrated with original half-tone and pen and ink engravings illustrating the many parasites, germs and bacteria that attack our domestic poultry. It is printed on a high-grade super calendared book paper, substantially bound in cloth, linen sewed to make it flat opening and title stamped in gold.

—o—

DR. WOODS' NOTES AND COMMENT.

A certain bacteriologist and laboratory experimenter, who has attained considerable prominence of late in the newspaper press, recently submitted to us a lengthy article on poultry diseases in which he claimed to have proved that roup, canker, sorehead, chicken-pox and several other diseases are all caused by one and the same germ. We returned his manuscript because it proved that he had little or no practical knowledge

Woodcrest Partridge Wyandottes

Champions of Madison Square and Boston. EGGS. EGGS. My free catalog tells the story.

CHAS. H. WOOD **Mutual Building** **Worcester, Massachusetts**

A Golden Opportunity

To secure some of the best S. C. Reds in the world. Eggs from Scranton's S. C. Reds will be sold at one-half price after May 15. This includes all matings listed at $5.00 per setting of 15 and above this price. It is not too late to hatch your Winter show birds. Remember my Reds have been the most consistent winners in the big shows of any strain. Catalogue free.

B. H. SCRANTON, Box 350, RISING SUN, IND.

Young's Strain S. C. White Leghorns



I Have No Other Breeds

They are the standard for all the Leghorns of America, and the greatest layers of all domestic fowls.

At the World's famous and Premier Show of America at Madison Square Garden, New York, for the past 13 consecutive years I have won best display and from three to five first prizes, every bird being bred and raised by me.

Winnings at Madison Square Garden, winter of 1913, were as follows:

A STUPENDOUS VICTORY

Cocks, 1st, 2nd and 5th
Hens, 2d, 3d and 4th
Cockerels, 1st, 3rd, 4th, 5th
Pullets, 5th
Pens, 1st

Grove's Trophy, val. $500

Elmhurst Sterling Silver Cup, value $150.

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N. S. C. W. Leghorn Club Medal for best cock, best cockerel, best pen and best display.

The Association $10 Gold Special for best display and Grand A. P. A. Medal, value $50, for best bird in whole show, all varieties competing.

This bird is the most superb specimen that has ever been produced of any variety. This achievement was made possible from a thorough knowledge and scientific practice of line breeding for over 35 years, and from a strain that has been bred by our family since 1855, making it the oldest strain of Leghorns in all the World, the male line never having been broken by adding new blood. The **Young Strain Characteristics** follow through all my yards and my matings this year should be superior.

WATCH the Show Reports throughout the United States and Canada, and you will find that Young's Strain predominates and wins the coveted prizes and lays the greatest number of eggs.

Remember you cannot win without my strain. Mating list free, address

D. W. YOUNG - E-3, MONROE, NEW YORK

of poultry, was not competent to diagnose the diseases he presumed to know the cause of, and appeared to be sadly muddled as to the symptoms of the diseases he discussed. Somebody ought to call a halt on the near-scientific twaddle now being circulated relating to the bacteriology of poultry diseases. Unless some of these investigators show greater familiarity with their subject, make more careful and thorough investigations and are less anxious to jump into print with half-baked theories, without practical foundation, they will do much to create a doubt in the public mind as to the value of the study of specific germs.

* * *

While one investigator is trying to load the responsibility for a number of unlike diseases upon one long-suffering variety of micro-organisms, a bacteriologist of international repute, investigating four varieties of bacteria found in stored poultry, says:

1. "All of these bacteria are normally present in the intestinal tract of healthy human beings."

2. "All of these bacteria are widespread throughout nature, being present in water, air and soil."

3. "These bacteria gain admission to man's intestinal tract by being taken into the mouth in the food that he eats, the water that he drinks and the air that he breathes."

"From these three facts we get the obvious deduction that these bacteria or any products produced by them while in the intestinal tract of man are not dangerous or deadly to him, for if they were, the human race could not, by any possibility of chance, have existed until the present hour."

* * *

The above quoted bacteriologist was working for and paid by the packing and cold storage interests. It is reasonable to assume that he manipulated such facts as he possessed to influence opinion in favor of storage poultry and to make the bacteria found in such poultry appear harmless. Another investigator equally prominent showed that these very same four species of bacteria may and do, under favorable conditions, cause serious diseases in man. So we are still "betwixt 'tis and 'taint." The harmlessness or the dangerousness of the germ, on paper, still depends upon who payes the wages of the bacteriologist. We also have the spectacle of a bacteriologist of note, heading the laboratory of a well-known temple of learning, on the witness stand for the defense in a now notorious egg case. In the course of his testimony he declared that there was no danger in the bacteria in rotten eggs and that such eggs were perfectly wholesome food. If you have money enough you can buy a scientific expert to testify to anything on either side.

* * *

Delving deeper into "expert testimony" we find the statement that: "Bacteria or products produced by them while in the intestinal tract of men are not only harmless but beneficial to him." And so on ad infinitum. The viewpoint seems to depend a lot on the "hobby" of the "expert" or upon "whose ox is gored." Sift it right down to bed-rock and man is made up of a multitude of individual living micro-organisms of many kinds; some are good and some are bad; the bad are not always bad—but chiefly remain in subjection until they have an opportunity to be bad. As long as the body balance is kept on the side of soundness and health we have little to fear from germs; when the balance tips

Write Red Sussex Farms, Marysville, Michigan, For Reduced Prices On Red Sussex Eggs.



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POULTRY FARM S·C·W·LEGHORNS

(D. W. YOUNG STRAIN)

Greatest Known Layers

Day-Old Chicks Hatching Eggs And Breeding Stock

Bred from Range Grown Birds

It's Not How Many You Buy, It's How Many You Raise That Spells Success

Sunlight Poultry Farm's chicks are livable chicks, as well as quality chicks, because they are bred from quality birds that have vitality, stamina and the best laying qualities bred into them. They are the chicks that will develop into robust cockerels and pullets, that will please you. Not a yarded breeder on the farm, but just a large flock of breeders, out on unlimited range, housed in open front houses. Is it any wonder that I get such good fertility in my eggs and such strong, healthy chicks?

Read What One of My Many Satisfied Customers Says About My Chicks:

Friars Point, Miss., April 6th, 1914.

Sunlight Poultry Farm, Lynchburg, Ohio.

Dear Sir: The day-old chicks you shipped me on the 1st arrived here about noon of the 3rd. There were two dead in the box, the other 101 were as lively as they could be and today are all scratching like old chickens. They are as large as some two weeks old chicks hatched under a hen and are far more lively. I am more than pleased with your treatment and will be glad to speak a good word for you and your breed of chickens whenever I can. Several of my friends after looking at these chicks have asked me to save them a setting of eggs as soon as they begin to lay.

If I can raise half of these I have to grown hens I will feel that I have gotten my money's worth. Will send you a picture of these in a short time.

Thanking you for your fair treatment and wishing you every success for the future,

I am yours very truly, a satisfied customer,

A. C. JOHNSTON.

Pullets and Cockerels Six and Eight Weeks Old, 50 cents each

I Prepay Expressage

on all orders for day old chicks and eggs. Also guarantee safe delivery. Would suggest that you place your order at the earliest possible date to insure prompt delivery when wanted. If you want the best in S. C. White Leghorns, write to Sunlight Poultry Farm. They are persistent layers, hence money makers, the year around. Best of references. Send for catalogue and prices. "The Most of the Best for the Least."

SUNLIGHT POULTRY FARM E. N. Lemon, Owner **LYNCHBURG, OHIO**

the wrong way and susceptibility begins, then look out for trouble. At the same time the bacteriologists have taught us that there are certain species of germs that have never been known to be good and that are always bad and looking for a chance to be worse. If you know a certain thing is poisonous, but though very dangerous some persons under favorable conditions have taken a big dose and escaped unharmed, you still respect it as a poison and steer clear of it, if you possess good sense. It is the same way with bad disease germs. They may be all about us. We may swallow millions of them without knowing it and without being injured, but there is no sense in eating food that we know to be contaminated with these germs, particularly when we know that eating such food has caused and does cause dangerous disease oftentimes. Some of our bacteriologists have done a wonderful and good work of great benefit to humanity, but these men are too busy working for the best interests of the race, and for the love of their calling, to waste time seeking the glamour of publicity. But from the vaporings of publicity seekers and of the highly paid scientific experts of our "courts of justice" Good Lord deliver us!

* * *

A correspondent says: "Would it not be a good idea to have competent people state, NOT the good points, but the defective points of breeds, varieties and even strains? A symposium of that kind, by those who have had experience, would be more enlightening to inquirers than oceans of adjectival eulogium. It is all very well for the enthusiastic to 'lay it on thick,' and perhaps pardonable, but the inquirer must choose. Nor is it exactly helpful to tell him to choose what he likes. There are chickens that do not lay large eggs, chickens that are hard to raise, some more prone to this or that ailment. There are chickens that are voracious eaters, chickens with much offal, chickens with coarse meat, others naturally dry. There are chickens quite hard to breed true. A man might choose a thing, notwithstanding some other thing; may choose certain qualities beyond its known drawbacks, but it is a pretty serious thing to be fooled in choosing by suppressing facts. Cumulative disappointments may be a valuable experience but they are not likely to promote sustained enthusiasm nor to advance the interests of sound trade. Incidentally, have not 'strains' been strained to the breaking point? (Signed) Senex."

* * *

The above quoted letter assumes much that is as yet unproved. M. "Senex" should be employed as the editor of a poultry paper for several years; he might learn wisdom from experience. Let him so much as criticise, or seem to criticise, any particular variety or strain and then witness the deluge of correspondence damning the editor and telling him of the error of his ways. In these columns we strive to give our readers helpful and accurate advice, but we can't choose a breed or strain to suit the individual. The thing that pleases one does not please another. A variety or strain that suits one man so well he even wants to talk about it in his sleep, another man calls worthless and wouldn't have for a gift. And that is the way it goes. We endeavor to give such information as we possess in a fair and unbiased manner and tell the truth about each variety. But who knows the whole truth? Individual specimens even in the same strain vary in quality with the specimen examined. We find good points and inferior or defective points in different specimens of the same variety. There are no hard and fast separable differences such as M. "Senex" would have one believe. For example, take one of our largest breeds: There are Brahmas that are fine layers of big eggs, possess big bodies full of fine-grained, juicy flesh, little offal, and that are not voracious eaters, that possess good qualities to the maximum. And (perhaps in the same flock) there are other Brahmas that possess qualities quite the reverse of these good ones. Any man who has handled poultry for market and for eggs knows that such conditions are to be found in most breeds. Will M. "Senex," in his infinite wisdom, tells us how, for example, we might pick and choose to suit M. "Senex" himself, for instance?

* * *

Nevertheless, there is food for thought in M. "Senex'" letter. That is why we print it. Breeders might well spend more time trying to tell the actual facts about their favorite varieties instead of trying to fill so much space with sickening praise that borders absurdity. Some claim all the virtues on earth, and above or below it, for their favorite variety. It cannot all be true. Yet, when a man rides a hobby, he sees value and quality where little may really exist—there is a glamor about one's favorite poultry that seldom leaves the owner or promoter with clear vision. He sees only the good, and forgets the bad. He remembers the heavy layer of big eggs and forgets the poor one. He always recalls the pullet that matured and began to lay at five months, but he conveniently forgets the many that waited a full seven months or longer before shelling out the first small eggs. By all means, let's have more real facts and less eulogy, but at the same time let's try to be fair and just—also to try to remember that what



FIRST PRIZE COCK, MADISON SQUARE GARDEN. DEC. 1912.
BRED AND OWNED BY D.W. YOUNG, MONROE, NEW YORK.



FIRST PULLET, MADISON SQUARE GARDEN. DEC. 1913.
BRED AND OWNED BY ARTHUR G. DUSTON,
SOUTH FRAMINGHAM, MASSACHUSETTS.

may suit us, quite likely will not suit someone else.

* * *

We mentioned the Brahma; now let's consider another extreme, the Campines. One man, claiming much experience, told us in all seriousness that the flesh of their small bodies was dry and tasteless, the eggs small and few. That was only his particular individual experience, perhaps his own fault, because of poor management. We know that Campines, though small in size, can be grown into plump, fine-meated excellence that compares favorably with the partridge. It is a matter of knowing how to grow them and of knowing when the meat is ripe to eat. As for eggs, there are plenty of good sized white eggs exhibited to testify to quality and there is no doubt that the breed lays well when properly handled. While not a market meat breed, their flesh can be made a desirable addition to the family table. Then take the Cornish, another extreme type. Some folks will tell you that they harden quickly and that the flesh is apt to be coarse and tough. The fault is not in the breed but in the grower. For many years capons from Cornish fowl have been esteemed highly among English epicures. Writers who know good things to eat have written much about the high excellence of this English "beef breed," and artists have filled many pages with illustrations of Cornish dressed for table poultry. There are a host of breeds in the Standard, and out of it, and there are mighty few of them that are not capable of being bred to great excellence and considerable profit, if handled by a man who likes them, who is suited with his choice, and puts real effort into getting the best out of them.

* * *

Our associate, H. H. Collier, is turning out some mighty good copy for the Pacific Coast Department. We hope you read his grist in the April issue; there were some good things in it "worthy of a thought." If you haven't read it yet, look up the April issue and read pages 690 to 693 inclusive. It is well worth noting that on the plant of D. Tancred, Kent, Wash., that the man in charge of that important duty of collecting eggs and attending trap nests gets a salary better than that paid to many college professors of poultry husbandry. Mighty few of said "professors," by the way, do any egg collecting themselves. They haven't time for it. As Mr. Collier suggests it might be interesting to know just how the egg collecting and attending trap nests is done, and by whom, at college experiment stations where world's records are being made. Egg collecting and attending to the nests are among the most important duties on any poultry farm and require the services of a very reliable and responsible person, whether you sell hatching eggs or market eggs, or are simply out to make a record. We recall a certain professor of poultry husbandry who once said to us that he wouldn't dare to express a wish for a 300-egg hen, or a hen that laid two eggs or more a day, for if he did some of his students would be sure to find the phenomenal bird for him and produce "unimpeachable evidence" of record.

* * *

We note also that when Mr. Collier came east last summer he was in one continual state of moult. He says he would have shed all his plumage if the sun had not been so bright. We did not realize that there is such a difference in climate. When we talked with Mr. Collier at Atlantic City, we didn't know he was in full moult. He must be a regular full-feathered Cochin when he is at home. Come to Plymouth County next time, Harry, and we'll find you cooling breezes and cool nights almost as good as you have 'em at home.

* * *

According to press advices the Department of Agriculture, in response to the protest of California egg farmers against the wholesale importation of Chinese eggs claimed to be of doubtful quality, has ruled that the importation of Chinese eggs cannot be prohibited as long as they are fresh.

That raises an interesting question: How long is an egg FRESH? For some time we have kept our legal authorities busy jumping on the grocers who have offered stale or aged eggs for sale as "fresh" or "new-laid" and have fined some of them. Rightly so too, for ancient eggs of doubtful quality, no matter where laid, should not be permitted to be falsely labeled. But how about the Chinese egg? How can it be "fresh" when it lands in this country? If it isn't fresh, why can't the importation be prohibited? And, in any case, why not insist that eggs from foreign lands be labeled?

In this country we are beginning to pride ourselves on "yesterlaid" and "this-day-laid" eggs. We don't look upon an egg as really fresh after it is a few days old. We ask that our fresh eggs come to us direct from the egg farm with the new-laid bloom of youth and purity still on them. How can eggs from China be fresh? In China the jobbing unit for eggs is 1,000 eggs instead of a 30 dozen case which is the unit in the U. S. Eggs in China are quoted and sold at so much per thousand. Shanghai is the receiving and shipping point for export eggs and collectors bring in the eggs from the surrounding country for three days journey. Wonder how much longer it takes

Keifer's White Wyandottes

EGGS! BABY CHICKS!

From Chicago, Indianapolis, St. Louis and Illinois State Fair winners. If you could see my breeding pens, you would not hesitate to order.

SEND FOR MATING LIST.

FRED B. KEIFER MARSHALL, ILLINOIS

E. R. COLLINS & SON, Mgrs.
HUNTINGTON POULTRY CO.
Huntington, L. I.

Silver Campines, Black, Blue, Buff, White Orpingtons, R. C. Black Minorcas, Buff Leghorns and Black Wyandottes. Stock, Eggs & Young Chicks.

Write for Prices.

(See Madison Square Garden Winnings.)

AIREDALES The dog that **has the good points of all other breeds** combined **without their faults.** They are hunters, retrievers, trailers, watchdogs, companions, in fact the best all 'round dog bred today and the most popular. We have a pamphlet on their uses.



Scotch Collies—The old Reliable. They are stock drivers, watchdogs, renowned for their usefulness and beauty. We have pups, grown dogs, bitches, open and bred. Send for Sales Sheets. **P. L. SAVAGE, St. Charles, Ill**

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Winners STATE CHAMPIONSHIP CUP State Meet Ancona Club of America, at Paterson, N. J., November, 1913. At State Meet, same club Grand Central Palace, N. Y., SPECIAL FOR BEST ANCONA IN SHOW. Also at Madison Sq. Garden, Philadelphia, and Augusta, Ga. STOCK, EGGS, BABY CHICKS. Write TODAY for Catalogue. **DR. PETER HICKS Bound Brook, New Jersey**

TRETHAWAY'S
Anthracite Strain S. C. Black Minorcas

Four of the best pens I ever mated, and will produce WINNERS for you next fall and winter. Send for mating list.

ARTHUR TRETHAWAY
45 Parrish St., - Wilkes Barre, Pa.

YOU CAN'T EXPECT

to be successful and make money with your poultry, unless you eliminate the deadly poultry disease.

Sixeas Guaranteed Remedies

cure and prevent all diseases to which poultry is subject.

For Cholera, White Diarrhoea or Blackhead, there is nothing to equal the famous Sixeas Cholera Cure, price 50 cents.

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Special prices in quantities.

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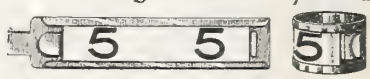
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GEORGE SIXEAS, Box 45, New Castle, Virginia



ADJUSTABLE CLINCH — NO BETTER
Poultry Leg Bands Made
25, 20c; 50, 35c; 75, 50c; 100, 65c; 200, $1.00. No stamps taken. Frank Cross, Manufacturer, Box 506, Montague, Massachusetts

Bourne "Bignum" Poultry Band



Patent Applied for.

Send two 1 cent United States stamps for samples and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each $2.50 a 100.

Bourne Manufacturing Co.
Box M, Melrose, Mass.

LAYING HENS LIKE THESE



ARE PRODUCED BY USING

HINE'S MEAT SCRAPS
AND POULTRY BONE

No successful poultry breeder can eliminate meat in some form from his chicken food. The meat scraps made by us is a highly concentrated protein food. It satisfies the natural craving of fowls for flesh food, insuring health, thrift and vigor—which means "laying hens." This meat scrap contains the necessary ingredients for building up "money-making fowls." Hine's Meat Scraps are endorsed by experiment stations and the world's largest poultry breeders. No matter if you own one or ten thousand chickens you need meat scraps. Just write us and we will send prices and a sample.

Sold on its merits.
If not satisfactory money refunded.

HINE BROS. CO.
Manufacturers
4023-37 S. Ashland Ave., U.S.Y. Chicago, Ill.

the average Chinese poultryman to collect 1,000 eggs than it does an American farmer to get a case? Careless exposure to heat and bad odors will spoil a perfectly good fresh egg in a few hours; imagine a three days journey for eggs in China. After the eggs are graded and packed for export in Shanghai, it takes 28 days steamship trip to land them in San Francisco, and then more time to get them marketed through usual channels, (as long or longer than for domestic eggs). If a Chinese egg is not less than five weeks old and probably over three months old when it lands in San Francisco, how can it be a "fresh" egg?

* * *

Charity should begin at home and so should missionary work. In every American city, town, village and hamlet there are appalling conditions resulting from poverty, ignorance, ill-living, greed and lust. There are poor and deserving and poor and undeserving who need help and enlightenment and should have it. There is privation, misery, child-labor, sickness and crime; all caused by ignorance, poverty, hardship and ills without number that should be remedied. Our good people help some it is true, but prejudice hinders helping the many or helping all. "Jones is a drunkard and undeserving." "Smith is a criminal and ought to be in jail." "She is bad, we can't help her, she's too brazen." And so it goes all along the line while we subscribe thousands and millions of dollars to help the equally "undeserving" in foreign lands who don't want to be "uplifted" and who if unlifted become a problem because they seek to meet and intermarry with us as equals. No one seems to consider why "she" is bad and brazen or what were the conditions that made her so. Perhaps she may be more sinned against than sinning and who is qualified to fling the first stone? Isn't the badness a symptom of brain sickness and the curse of ignorance, poverty and bad environment? Isn't "Jones" the drunkard really a sick man instead of an evil one and isn't he poisoned with alcohol that someone sold him at a profit? Why is "Smith" a criminal and isn't it just possible that his is a case of community-caused sickness also? Aren't we all just a little bit responsible? Are we charitable at home? Isn't there a lot of room for missionary work right in your own neighborhood if you will take pains to clean your own mind and heart of petty prejudice and the self-satisfied "I am holier than thou" spirit? We are too eager and ready to employ lawyers and start litigation. Too eager to make laws and prosecute those who break them. Too eager to send the sick and diseased to jail, when we should be helping to remove the cause of such diseases and seeking to aid the poor victims to recover. Our jails make criminals, never cure them. Our country schools, to which we so often "point with pride," are a disgrace to the nation and a seeding ground for much evil. Shake the scales from your eyes and look about you. To those who have the will to see, sight will be given and we warrant that you will be amazed and appalled by what you see. Begin charity and missionary work at home, in the neighborhood and in the church. Social ostracism, punishment, jails and public charities (?) have been worked for years and the evils are still with us. Why not get together, forget neighborhood differences, petty gossip, prejudice, meanness and smirking public charity, and strive to get at the root of the evil and to cut the cancer out of the vitals of the home community. Try a little real brotherly love and real charity that does not offend and antagonize the recipient. Strive for better home government, better schools, better education and better conditions in and out of the home. Cure the sick ones with kindness, good example and helpful education and work. Use preventive measures more and the jails less. Just because we have been trying to work the cart in front of the horse for a hundred years or more with little success, is no reason why we should not strive to find and try a better way, especially now that we have a chance to know better and the trend of the times is that way. Then too, even if heredity does do it, we should not visit the sins of parents upon the children.

* * *

Commenting on our March "Notes" the new constitution of the A. P. A. Editor Drevenstedt of the American Fancier advises us to reserve our gladness until we have read the proposed new constitution. We don't know anything about that constitution yet, Drev., and we reserve all joy or sadness until we have read it. Our comment only

TRADE AEM MARK THERMOMETERS NEVER VARY

Buy at dealers or write for catalog. A. E. Moeller, 261 Sumpter St., Brooklyn, N. Y.

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Separates the drones from the layers. Made in a few minutes from a common box or egg case, by attaching the simple device I send you. A cheap, practical trap nest that cannot get out of order. Send 50c for complete printed and illustrated instructions and device for making your own trap nests. Nothing else to buy. Geo. A. Blood, Bellwood, Ill.

A MILLION HENS USE
Wellcome's Famous
"Ideal" Trap Nest
Shows which Hen Laid the Egg
New Principle, 100 Per Cent Efficient
F. O. Wellcome Box J Yarmouth, Me.
Write NOW for prices and proof.

CO CO STRAIN Silver Campines

Have that ovoid or crescent curve kind of type that makes eggs, fowls and virility. Experienced breeders buy them, because they are better birds.

OUR NEW EGG PRICES
Are $5.00 per 15 from best Selected Pens, $7.50 per 15 from best Exhibition Matings

Order from this ad today, or write for booklet.

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5 lb. tin $1; 10 lb. $1.50; 25 lb. $3.
If your dealer cannot supply you, write us.
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The Improved Champion Leg Band



Aluminum only; two sizes; adjustable to fit any fowl. Held by double lock, can't lose off. Postpaid 12-15c; 25-20c; 50-35c; 100-60c. Initials 10c per 100 extra. 50 or less, 5c. Also Pigeon Bands.



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CRAMER'S REGAL REDS
Rose Comb Rhode Islands Exclusively
Bean and Prickett Strains
5 Extra Select Strains
EGGS—$3.00 for 15. $5.00 for 30.
10th annual mating list now ready.
Cramer's Red Feather Poultry Yards - Eagleville, Missouri



$60 per HEN per YEAR

Send Postcard Today for free 56-page book, "The Why and How of The Miller System." Test our ideas far enough to form an opinion. We want to prove to you that you can make—under the scientific methods of the Miller System—$20 to $60 per hen per year. Show our guarantee to your lawyer. Address **MILLER SYSTEM CO.**, 15 7th, Binghamton, N. Y.

A Chance of a Life-Time

Would you turn down the opportunity to own a fine specimen Rhode Island Red, direct from **First Prize Madison Square Garden** birds or from the **strain that produced them?** Just think of the advertising value and the strength it will give your yards.

I am showing you the way with my **"Aristocrats"** S. C. R. I. Reds, bred for 12 years—winners of the **blue** in practically every big show in America—a strain that breeds the truest Reds known.

No breeder large or small can afford to pass this opportunity.

Send for our free Mating List, showing our First New York winners.

IRA M. CROWTHER, Box A, Willoughby, O.

expressed that we were glad that the Quarterly Bulletin is to publish the text. It seemed good to learn that perhaps for once our A. P. A. might have sufficient "copy" to really fill the bulletin with association news. Why be peevish just because we thought there was something about the A. P. A. to make us glad? Just one smile won't do any harm, will it Drev.,



Stayon Aluminum Poultry Band
Smoothest and most secure. 25-20c; 50-35c; 100-60c; 200-$1.00 bill. Catalog, 5 samples 5c; no stamps.
American Band Works
Box 297, Canton, Missouri



"IF CHICKEN CHOWDER won't make your hens lay, they must be roosters." Full particulars and 48-page Poultry Book free for the asking. Purina Mills, 801 S. 8th St., St. Louis, Missouri.

CARMAN'S WHITE WYANDOTTES
I have four of the grandest pens I ever mated for my egg trade. Eggs from pen 1 and 2, $5.00 per 15, pen 3 and 4, $3.00 per 15. A few good cockerels left from $2.00 up. Order direct from this ad. Satisfaction guaranteed. **O. A. CARMAN, Petersburg, Ill.**

Vermin-Proof Poultry Houses
Made of Plasto-Asphalt lumber, the new fire-proof material. Superior to lumber or any other material for poultry house construction.
Send for free sample and our free catalogue of poultry houses.
Do it today.
THE UNIT CONSTRUCTION CO.
Box A Brookfield, Ill.

Black Orpingtons
Winners at Indianapolis, Feb. 1914
First cockerel, first and second pullet, first young pen and champion hen. This hen has won the championship and best bird of the show at Elgin and Aurora and scored 96 points under three different judges. Orders for **Eggs for Hatching**, from the pen containing this fine bird and from pens containing her offspring, are now being booked. Catalog free.
WILD ROSE FARM
Poultry Dept. St. Charles, Illinois

Buff Wyandottes
GOLD BEAUTY STRAIN
The Minnesota Blizzard Busters—and even a king might envy GOLD BEAUTY Buffs like these



EGGS EGGS EGGS
From the choicest matings of America's Foremost Stud. Blue Blooded, Aristocratic, Champion Winners, $4 per 15.
Pairs, Trios and Pens of the finest breeding at reasonable prices.
J. CARLETON JACKS
LITCHFIELD MINN.

when there has seemed so often to be cause for funeral tears?

* * *

Viewing the contest for place on the A. P. A. Executive Board from Massachusetts, one wonders what there is so attractive about holding office in the A. P. A. that makes men cling so tenaciously to the job and work so hard for re-election. The game never seemed to us to be worth the candle. If "honor of position" is all that is sought, it would seem that a brief term in office ought to satisfy. Yet, from various sections of the country we find men constantly striving for re-election and spending time and good money in the effort. Why? What is there about holding office in the A. P. A. that makes some members appear to want such a place as a life job? Apparently we have perpetual candidates in Massachusetts and in Texas.

* * * *

A good many hatcheries report low fertility and poor hatches in March with more nearly normal results in April. Demand for day-old chicks unusually good, orders booked well ahead, and in some cases not possible to supply the considerable number of chicks wanted. A number of plants are also offering day-old guineas, several varieties of ducks and even turkeys. The business of commercial hatching by skilled incubator operators is developing rapidly and showing strong, healthy growth.

* * *

Don't neglect variety foods for the small chicks. Keep the broods on clean ground. Give them a grass run. Supply short sprouted oats. In the early days rolled oats, coarse oatmeal, cracked wheat, shredded wheat, bread and cracker crumbs, boiled rice and raw potato are all relished and help to start the chicks well. Keep the chicks comfortable and happy. A good home-made chick food that can be ground in an ordinary hand mill may be made from: best flint corn, 4 measures; best hard wheat, 3 measures; best heavy, clipped, white oats, 2 measures; best, sound, heavy barley, 1 measure. Mix and grind all together so that coarse particles are size of commercial chick food. Feed coarse and fine together in box hopper. It is not necessary to sift out the hulls. If desired, the granulated portion can be sifted out and fed in an automatic feeder.



* * *

As the sun warms things up don't forget that shade is essential to chick comfort. Board shelters, tents of awning cloth or old canvas and shelters of evergreen boughs may be used to advantage for the growing chicks. Many a good chick has been spoiled in a sun-baked field without proper shade and shelter.

* * *

At this season we like to set hens out-of-doors in some sheltered spot. Make the nesting boxes or barrels with a rain-tight roof and a rat-tight wire netting bottom. Place the nest on the ground and fill in a little damp earth before putting in the nesting material. Be sure to dust the hen with a good insect powder at the start of the hatch and

just before the close. Spray used nests with a good mite killer before starting a hatch. Mites will kill sitting hens.

* * *

Fine appearance of goods when delivered goes a long way in helping to satisfy a customer. The impression made by the goods on arrival is always a lasting one and it sticks to the customer's memory whenever he considers making another purchase. Many a shipment of eggs or fowls has proved disappointing to the purchaser, not because they were not good, but because they did not make a good impression when received. Good eggs in a poor carrier or mixed lots of eggs, don't look as good to the buyer as well-selected eggs in a good, neat package. A good breeding bird can be spoiled in appearance by shipping in a crowded, ill-made, and even dirty box. His poor arrival will be remembered for a long time, even if he makes good. Use care in making shipments, send all goods out in good condition so that they will arrive in good order and create a good impression to be remembered by the recipient.

* * *

We needed a new incubator in a hurry early in April and telephoned Manager Prouty of the Cyphers Boston Branch to ship us one rush by express. It arrived promptly and in good order, neatly packed and crated. When uncrated its fine appearance excited favorable comment from a visitor who was present. Not only that, but everything was "ship-shape" and ready for business. In less than four hours we had it up to temperature and ready for regulation. There is a pleasure and satisfaction that goes with working with such goods that is never experienced when one gets a machine that looks as if slapped together any old way and packed in slipshod fashion. Same feeling you have working with Standard-bred fowls instead of mongrels.

* * *

The great volume of poultry remedy advertising to be found in foreign poultry publications would lead one to believe that poultry diseases must be much more prevalent in the old country than in America. Possibly intensive methods and frequent showing have much to do with susceptibility to disease and the frequency thereof. It is a point to be borne in mind when considering the importation of eggs or breeding stock. We have an abundance of poultry diseases in this country at present and plenty of work to do to get rid of them. Already we have imported a fine assortment of insect pests to harry the trees and injure the farm crops and the human diseases of the Old World and the Far East are becoming altogether of too frequent occurrence in this Land of the Free. It don't help a whole lot to lock the doors after the pests get in, yet it is better late than never, though better never late.

* * *

We don't suppose that H. H. Stoddard will ever agree with us that there is danger in filth—even for poultry. Nevertheless we are "agin" filth, especially against encouraging poultry to feed in and on filth.

He maintains that fowls are normally dunghills, bred to thrive on the dunghill, but we doubt that. The **Gallus Bankiva** as far as we can learn, had, in the normal native state, habits not unlike the grouse and pheasants of today. It was naturally quite a cleanly bird. That it degenerated to a farm scavenger and dunghill habitue was largely the fault of those who kept fowls where good food range was not plenty, left them to hustle for a living and forced them to fill up at the dung piles or go hungry to bed. Filth, of course, is only matter out of place, and as fertilizer or in the dung pile it is quite good in its place, but scarcely to be commended as an article to make eggs out of for human food.

Eggs acquire a taste from the food a fowl eats. We don't believe that fowls habitually scratch over and eat their own dung unless there is something wrong with them. Of course, in a country overflowing with insect life the droppings might become quickly populated with bugs and maggots that

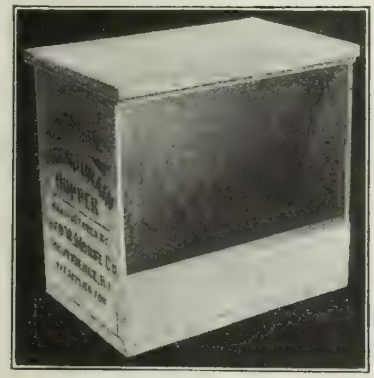
JACOBUS CAMPINES



Laid White Eggs That Won First Prize at Boston 1910-11-12-13-14

Competition open to the world and eggs of all breeds. Send for circular

M. R. JACOBUS, Box 3-J RIDGEFIELD, N. J.



Get acquainted with the

GILLETTE

Labor Saving Equipment

by sending $1.00 for this 12-qt. Dry Mash Hopper. Delivered anywhere east of the Mississippi River. Proper allowance made for all points west of the River.

Gillette Dry Mash Hoppers are made in various sizes; single and double. The Gillette Automatic Hopper is the standard for practical poultrymen.

Printed matter for the asking.

FRED W. MORSE CO., Mfrs.

Providence - - - Rhode Island

EVERGOLD

Buff Wyandottes

EGGS EGGS EGGS
COCKERELS COCKERELS COCKERELS

Evergolds are the Heavy Winners of the Season.
Evergolds are the Heavy Winter Layers.
An infusion of Evergold blood will help 99 flocks out of 100. Get a breeder while they last.
Send in that order for eggs NOW.
Nowhere can you so surely get your money's worth of good Buff Dottes as at

ROCKY RUN FARMS, BOX 50 NORTHFIELD, O.

W. G. MARSHALL, Owner GERALD WILLIAMS, Mgr. Poultry Dept.

PRICE LIST MATING LIST **FREE**

Elegant Illustrated Catalog giving our methods of Feeding and Breeding Buff Dottes, 20c



YAMA BARRED ROCKS

THE best blood in the country and breeding skill produced our N.Y. Winners in 1913. At Madison Square Garden, N. Y. we had Three Hens Placed in Five Awards. Special for Best Barred Rock Cock and Hen. Special for Best Shaped Female.

Eggs for hatching to produce such winners $10 for fifteen. Utility Barred Rock Eggs, good ones, $3 a setting. Hatching eggs reduced to half price, May 20th.

Send for catalogue and mating list. Satisfaction guaranteed or money refunded.

S. C. Black Minorcas
One Pound Squab Breeders

YAMA FARMS
NAPANOCH, N.Y.

NEWTON COSH
Manager of Poultry Department

fowls consider edible and desirable. Then the droppings being sheltered might prove a more convenient foraging place than out in the broiling sun.

Market poultry growers know that when a flock of capons begin to eat their dung there is something wrong with them and such birds don't develop into prime first quality stock. Chicks that form the abnormal habit of eating paper, brooder felt and droppings, seldom do well. There is something that they need that they lack. The thing to do is to find what is needed and supply it before the habit becomes fixed. For similar reasons some children acquire the habit of eating chalk and slate pencils or other substances not recognized as normal in the diet. It is safe to assume that when fowls eagerly scratch over and eat portions of their own droppings, there's a reason. We have had confined fowls do it and those which were short on some foodstuffs, but we have one 10x16 foot house in which 30 adult fowls have been roosting and laying for six months and the droppings beneath the roost remain undisturbed and will until we use 'em on the garden. Why? We think it was because all their wants have been well supplied. But some flocks will and some flocks won't, and there the matter rests. Even the hog is a cleanly animal if given a chance, yet a lot of hogs have to live and thrive in a wallow of filth.

* * *

Most of us have noticed that on a new farm, with new equipment and new soil most poultry plants run pretty smoothly for quite a while. Then things generally begin to go wrong. We have a notion, frequently voiced by us, that failure to keep the soil sweet is a common cause of trouble. Of course sunlight is a great factor in disinfection and keeping things sweet. In a country where the sun fairly bakes the earth for a goodly portion of the year and where the soil leaches with every rain to a considerable depth, it ought to be easy to keep the soil reasonably sweet, but it can't be so easily done in all climates or all soils.

* * *

Not so very many years ago you could find on most farms (still can on many today) an old-fashioned privy located uncomfortably near the well or spring. You were told that it couldn't possibly do any harm and the water was clear and cold. Of course now and then some member of the family, or visitor, had typhoid or dysentery or something else, but you couldn't blame the water, now could you? You bet you could! That is just where the blame could be laid—to the water contaminated by the seepage of privy filth. But, said Mr. Farmer, why isn't everybody sick that drinks the water? Of course there were cases of sickness and death, but mostly it was blamed as a visitation of Providence, but not because of the house by the well curb. No one can explain why some are made ill by infected food or water and some are not, or why those immune at times are infected at others. There is a state of body, or mind and body, known as susceptibility and another as immunity. When the former reigns you become infected and sick while when the latter rules you escape. Who wants to take undue chances?

Modern sanitary science has worked wonders in preventing disease. Protecting the water and food supply has stopped many cases of disease at the source. Today an army would not consider it safe to permit bathing, washing or the use of sanitaries at a point upstream from the camp. We have learned something about contaminated water in the past few years. Maybe we will learn something about contaminated soils in the years to come.

It is noticeable that where intensive systems prevail there you commonly find poultry diseases abundant. Some poultrymen cannot now produce eggs that will hatch livable chicks. Some have a great deal of rearing trouble.



SILVER WYANDOTTES
THE BEAUTY & UTILITY BREED
THE BEST WINTER LAYERS
STOCK FOR SALE AT ALL TIMES
NO EGGS NOR BABY CHICKS
A. E. TARBOX, BOX A, YORKVILLE, ILL.

THE FAVORITE

LEG BANDS
With Raised Figures
Six Sizes
Made from Aluminum, strong, durable, smooth edges.
THE CAPITAL

PRICES, EITHER KIND:
12 for 15c. 25-25c. 50-40c. 100-65c.
CHAS. L. STILES,
232 N. 3rd. St. Columbus, Ohio Adjustable

300 LICE Or More on One Hen

is by no means uncommon. No one would expect to fatten a steer with that number of "ticks" sucking his blood, but many expect the old hen to go ahead shelling out eggs while lice and mites are sapping her very life. We have counted over 2000 dead lice under a row of ten hens, on a roost board painted the night before with Lee's Lice Killer. This great killer does double duty—contact kills mites, lice, bedbugs, etc. about the roosts; the vapor kills lice on the chickens sitting over it. Put up only in airtight cans. For sale at over 10,000 towns.



Three sizes—35 cts., 60 cts., $1 00. Poultry Book free.
GEO. H. LEE CO. Omaha, Nebr.

YOUNG CHICKS



die of bowel trouble more than any other cause. It is estimated that of every 1000 chicks hatched each year less than 400 reach marketable size. Germozone users raise, usually, 90% of chicks hatched. Germozone keeps the bowels regular. It prevents diarrhoea from overdrinking of water; from eating musty or spoiled food, etc. It should be given in drinking water twice a week from the day they are hatched. It stops the loss. Every chick that dies cuts badly into the profit from the rest. Every chick saved will pay the cost of a bottle of Germozone.

One size only, 50 cents, at dealer's or postpaid.
GEO. H. LEE CO. Omaha, Nebr.

GERMOZONE'S Big Value



is not so much in its great efficiency as a remedy for roup, canker, chicken pox and other diseases of poultry, but it is the greatest bowel regulator in the world for either poultry or stock (including pet stock), counteracting, especially, bowel troubles due to musty, spoiled or improper food. With man, fowls or animals, regular bowels means health. Continued irregularity means some sickness, difficult to cure if not fatal. Thousands give Germozone regularly twice a week to chickens, young and old, at the same time having it ever handy as a ready remedy for other diseases. Sold by dealers or postpaid. One size only, 50 cents.

GEO. H. LEE CO., OMAHA, NEBR.

Some only get a "good season with poultry" once in every three or four years and the balance of the time are barely able to pull through with a burden of high mortality and heavy losses. The men who observe reasonable cleanliness, common sense resting and sweetening of the land after poultry crops, practice prevention far enough ahead to prevent trouble, continue to have good results season after season. We believe that it pays to rest and sweeten the soil used for poultry.

* * *

We don't hold any brief for artificial incubation and brooding. We believe that hen hatching and rearing, when well conducted, is conducive to maximum values in the breeding stock. But, we do think it is arrant nonsense to habitually condemn the use of incubators and brooders as the parent of all poultry ills. There are mighty few people these days who are not sufficiently intelligent to successfully operate the modern incubator and brooder, if they will take pains to secure good eggs and follow instructions.

While we lean toward the assumption that the naturally hen hatched chicken may possess some indefinable virtue that its incubator hatched cousin does not have, we have never been able to prove the case in our own work. Every year we have incubator chicks. We, as a rule, get fine hatches of strong chicks out of a modern incubator and they look quite as good as any chicks we ever saw, no matter how hatched. They stand shipment well. They live and thrive in brooders with almost no mortality, not only for us but for our many friends. Now and then someone has trouble with a brood. Now and then we find a hatch that doesn't seem to be "buttoned up right." Once in a while, in dissecting an adult bird, we feel certain we can tell whether or not it was artificially hatched and brooded; but most times we can't. Of course modern machines are not entirely "fool proof," but they are nearly so and artificial incubation is a very old art, with very little that is really new about it. The modern machine simply has modern labor saving and fool proof devices, that's the main difference from ancient methods. When we find someone everlastingly harping on the evils of artificial incubation, we usually learn that he has never yet used a really good modern incubator and brooder. Then, too, there is a certain knack in handling artificial incubation and brooding that seems to be born in some folks—a sort of hen sense. Good, sound breeding stock and good eggs go a long way toward making good chicks, apart from the manner of hatching.

Did you read page 774

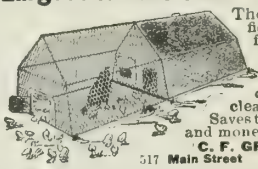
RAYO Incubator FREE Hatching Chart



Sample sent FREE with Money-Making Book to everybody. $1.50 Hygrometer and Complete Hatching Chart free with each Rayo. Rayo hatches 15 to 20 or more chicks over old-style machines. Runs automatically on 1 gal. of oil; one filling to a batch. Low, freight prepaid prices. Get Book 11 of Hatching Facts.

RAYO INCUBATOR CO., 1012 S. 13th Street, Omaha, Neb.

Largest & Best Steel Brooder Made



Thousands of satisfied customers. 10 sq. ft. floor space in each brooder and yard. Perfect ventilation light weight, dry, strong, easily cleaned and kept clean. Saves time, trouble, chicks and money. *Write for circular.*

C. F. GRIMM MFG. CO.
517 Main Street ATCHISON, KANSAS

Write Red Sussex Farms, Marysville, Michigan, For Reduced Prices On Red Sussex Eggs.



300,000 BETTER HATCHED CHICKS For 1914



ORDER TODAY FOR CHICKS IN MAY

The season is a month late—May will be the very best month this year for chicks. We are having the greatest season ever. Everybody wants "BETTER-HATCHED" chicks, some have ordered from three to a dozen times. Get your order in early, we can take care of you without a long delay. We are hatching twenty thousand chicks each week. Extra chicks with each shipment. If they do not cover loss in transit we replace. People know "BETTER-HATCHED" chicks live, that's the reason they all want them. Get acquainted with our quality, you will want no other. Ten thousand healthy pure-bred hens.

A HATCH EACH TUESDAY

If you desire pure-bred utility stock order direct from this list and save delay. Send money order for full amount. If you desire a select grade send for our price list. No less than 25 chicks in a shipment.

	25 Chicks	50 Chicks	100 Chicks	500 Chicks	1,000 Chicks
S. C. White Leghorns	$3.00	$5.50	$10.00	$45.00	$90.00
S. C. Brown Leghorns	3.00	5.50	10.00	45.00	
S. C. Buff Leghorns	3.00	5.50	10.00	45.00	
Barred Plymouth Rocks	3.00	5.50	10.00	45.00	90.00
White Plymouth Rocks	3.50	6.50	12.50	60.00	
White Wyandottes	3.75	7.00	13.50	65.00	
S. C. R. I. Reds	3.50	6.50	12.50	55.00	
R. C. R. I. Reds	3.50	6.50	12.50	55.00	
S. C. Black Minorcas	3.50	6.50	12.50	55.00	
S. C. White Orpingtons	4.50	8.00	15.00	70.00	
S. C. Buff Orpingtons	4.50	8.00	15.00	70.00	

In June all grades go into the order at utility prices. Each shipment will contain chicks of exhibition quality.

The Co-Operative Breeding and Hatching Co., Box A, Tiro, Ohio

Rhode Island Reds

Rose & Single Comb

EGGS--Half Price--BABY CHICKS

As is usual we are offering our eggs after May 10th at half price, baby chicks half price after May 20th. Owing to the very late spring, (which is fully six weeks late), there will be more chickens raised in May, June and July than ever before and this is an opportunity that you should take advantage of, if you want to buy from the best Reds in the world. Our stock has won the leading prizes in Chicago, Indianapolis, New York Madison Square Garden, St. Louis, Kansas City, Cincinnati, Atlanta, Nashville and many other prominent shows. So send in your order to-day as all orders will be filled in rotation. All $30 eggs $15 per 15, all $20 eggs $10 per 15, all $15 eggs $7.50 per 15, all $10 eggs $5 per 15, all $5 eggs $2.50 per 15.



If you have not seen one of our mating lists, we will send you one free for the asking. This list of matings cannot be equalled by any breeder of this breed in the world. Our beautiful catalog of 64 pages, printed in three colors and the finest ever put out by a Red Breeder, contains much valuable information on how to care for poultry. It will be sent for 20c in cash or stamps. Box A.

BUSCHMANN-PIERCE RED FARMS

FARMS: Carmel, Indiana Branch of the United Poultry Farms, Inc., Hope, Ind., Scotch Plains, N. J. OFFICE: 839 State Life Bldg., Indianapolis, Ind.

Current News of the Poultry World

by J. F. Shureman



Zenas Deer and J. B. Butts have acquired several hundred acres of land about six miles from Galveston, Tex., and will establish an extensive poultry farm.

Pheasant raising is to be tried out at the Ohio State University under the direction of Prof. F. S. Jacoby, head of the department of poultry husbandry. It is to be determined whether or not pheasant raising is profitable in Ohio. If there are indications that it will be a profitable business, the department will be maintained at the University.

Poultry raisers of Missouri can now go to school and stay at home at the same time. A complete correspondence course of twenty-four lessons in poultry husbandry is now offered by the State Poultry Experiment Station to any resident of the state.

Claude Dale, of Twin Bridges, Mont., has invented a new electrically heated incubator.

In an address on poultry culture, delivered in the Chamber of Commerce rooms at Meadville, Pa., recently, W. Theo. Wittman, the well-known poultryman and lecturer of Allentown, Pa., is reported to have made the statement that "within the next two or three hundred years the hen will be laying 365 eggs a year, or one every day, Sundays and holidays included." As a genuine optimist, Bro. Wittman sure takes front rank.

A big poultry farm is to be established near Moosejaw, Sask., Canada, with William Grayson as the financial backer and George Cumming as the manager.

"The Santa Rita" and West Poultry Plants, at Montgomery, Ala., have been consolidated into one, bearing the name of the former and under the management of Cornelius Betz and Mrs. Robert West. It is planned to make this one of the most complete and up-to-date poultry farms in the country.

According to Professor Pren Moore, of the department of poultry husbandry of the University of Idaho, one of the greatest dangers confronting the poultrymen of that state is tuberculosis in their flocks. Professor Moore has examined many flocks and has found that in very few cases have the lungs of the fowls been affected, but the disease has been confined almost wholly to the intestines. This, he says, is an indication that the birds have contracted the disease not by breathing foul air, but by eating food which they gather from the ground on which tubercular hogs or cattle have been kept.

Members of the Lewis and Clark poultry association at Helena, Mont., are agitating the matter of either selling eggs by weight or making the size a consideration in the grading of eggs. The association expects to take definite action at its next meeting.

A large shipment of Chinese eggs, direct from Shanghai, China, was received by an Indianapolis poultry and egg company the latter part of March. The eggs cost 7 cents per dozen in China and were placed on the Indianapolis market at 15 cents. They arrived in good condition, but were smaller than the eggs produced in this country. Forty



BEST BY TEST

THE GREEN SHEEN STRAIN

SILVER CAMPINES

"THE HEAVIEST LAYERS OF LARGE WHITE EGGS"



SILVER KING
FIRST COCK - CHICAGO.

SILVER PRINCESS
FIRST PULLET - CHICAGO.

SWEEPSTAKE CHAMPIONS

At the Great Coliseum Show, Chicago, 1913

We won more prizes than all competitors combined. Among 159 entries we won

Cockerels, 1st, 3rd, 4th; Cocks, 3rd, 5th; Pullets, 1st, 2nd, 5th;
Hens, 2nd, 3rd; Old Pens, 1st; Young Pens, 1st, 2nd.

SILVER KING Our great cock bird, established a world's record. Ten Cockerels and Pullets sired by him were awarded ribbons.

EGGS EGGS EGGS

I have mated eight star pens and I guarantee each to be headed by a Chicago 1913 Prize Winning Male. Mating list now ready. Place your order for hatching eggs early. Orders will be filled as received.

FRANK E. HERING
SOUTH BEND, IND.
FANCIER AND BREEDER

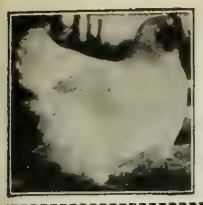
HARMON BRADSHAW, Mgr.

Beautiful Catalog free for the asking. Write today.

BEST BY TEST

THE GREEN SHEEN STRAIN

BEST BY TEST



IDEAL WHITE ORPINGTONS

1st Pen, 2nd Hen, 3rd Pullet, Best Display, Chicago, Jan., 1914. Eggs and Chicks half price after May 1st. Stock for Sale.

IDEAL ORPINGTON FARM
Box 168 LOMBARD, ILL.

EGGS Half Price

from Cleveland, Akron and Wadsworth winners. Former price $5.

Now $2.50 per 15
White Runner eggs, $2.00. Write for list.

Oscar C. Nicodemus, Wadsworth, Ohio.

ORPINGTONS
INDIAN RUNNERS
NONE WHITE BETTER
ROCKS

White Wyandottes

Eggs from Philadelphia winners, after May 20th $1.50 and $2.50 per 15. Utility, $1.00 per 15, $5.00 per 100. Chicks, $7.00 per 50, $13.00 per 100. Send for free cat.

CARR BROS.
Celtic Poultry Farm VINELAND, N. J.

EAKIN'S Wh. Wyandottes

Winners at Hagerstown and the Great Mid-West Show, Chicago, 1913. Eggs for hatching after May 10, half price. Send for mating list.

F. M. EAKIN, Box A, BUCYRUS, O.

White Plymouth Rocks
White Indian Runner Ducks

From Prize Winning Matings

Many years of experienced line breeding with superior stock, insures you of full value for your money. These general purpose and utility birds are raised free range on a forty acre farm.

PRICES

Hen Eggs.....$1.50 to $9 per 15
Baby Chicks.....15c to $1 each
Duck Eggs.....25c to $1 each
Ducklings.....40c to $1 each
Breeding Stock.....$1.50, $2, $3 and more

Special prices in quantities. Discount to first inquiry in each city. Write your wants.

J. H. LYNCH, R. 7 Opdyke, Ill.

SAVE THE CHICKS

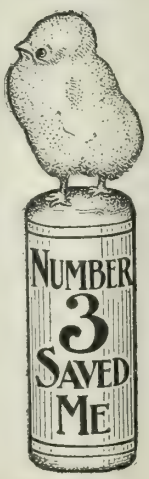
White Diarrhoea **cured** by **Prescription No. 3.** J. C. Fishel says "It does the work."

White Diarrhoea **prevented** by **Prescription No. 5.** G. Owen says, "The only thing worthy of the name."

White Diarrhoea **avoided** by feeding **Baked Biscuit Meal.** Supt. Teebs, The Coombs Poultry Farm, says, "Of 100 chicks hatched in Feb. I lost only four." He feeds Baked Biscuit Meal from the first feed.

Big box either No. 3 or No. 5, 25c; both, 40c. 5 lbs. Baked Biscuit Meal and a box of either No. 3 or No. 5, 50c; all three, 65c, and your money back after using if not satisfied.

Insist on your dealer keeping all these and save money.



THE NABOB REMEDY CO.
Box A Gambier, Ohio

days elapsed between the time the order was placed in China and the arrival of the eggs in Indianapolis.

Tulare, Cal., is to have a factory for the manufacture of a new type of incubator.

A movement that promises to become nation-wide has been started in Elgin, Ill., by members of the Elgin poultry association. It is to be known as the Poultrymen's Protective League of America and its object is to protect fanciers and the general public from being defrauded by dishonest poultrymen. Eugene M. Bishop, of Elgin, was the originator of the movement.

The secretary of state has issued incorporation papers to "The Prospect Poultry Farm" of Freeport, Ill. The company expects to establish an extensive poultry farm near Freeport for the production of poultry and eggs for the Freeport and Chicago markets.

The St. Louis Post-Dispatch will establish a permanent poultry exhibit in connection with the Zoo at Forest Park, near St. Louis. The exhibit will consist of more than 100 pens of land and water fowls, practically all of the standard breeds of poultry to be represented. More than fifty pens have already been promised by breeders. An expert poultryman will care for the birds and superintend the experimental work that will be conducted.

The youngest member of the Missouri State Poultry Association and one of the youngest poultrymen in the country is Robert Koch, 13 years old, of Creve Coeur, Mo. A year ago he purchased some breeding birds with money he had saved and at the fall county fair won several blue ribbons. He looks after the breeding end of his business and takes care of his own correspondence.

The United States Department of Agriculture has issued a bulletin on "The Organization of Boys' and Girls' Poultry Clubs" and it is desired that copies be distributed to the pupils of the rural schools throughout the country. The government is urging the formation of clubs of this kind to give a better knowledge of the value and importance of the poultry industry, and the marketing of first-class, uniform product, to teach better methods of caring for poultry and eggs and to show the increased revenue to be derived from well bred poultry.

Leo J. Broesmer, junior animal husbandman in the United States Department of Agriculture, is doing good work among the poultrymen of Tennessee. He is organizing them in the different counties, with four poultry centers in each county, along co-operative lines. He is also delivering lectures on poultry culture and doing much to encourage and enthuse the Tennessee poultrymen.

The Texas Railroad Commission has given notice that on May 12 it will consider an application by Texas railroads to amend the regulation in connection with the transportation of poultry in car lots so that one person may be passed both ways with one or more carloads of poultry.

During 1913 a total of 17,667,000 dozen eggs were exported to other countries from the United States, greatly exceeding in number and value the total egg imports.

A class of about fifty students from the New York State College of Agriculture at Cornell University, who are making a special study of the marketing of poultry products, spent three days in the early part of April in the New York City markets for the purpose of gaining a first-hand idea of the practical operation of the country's greatest poultry and egg markets.

Poultry raisers in the vicinity of Tucson, Arizona, are to adopt a trade mark to be used on all eggs produced and marketed by members of the Tucson poultry association. The eggs will be guaranteed and the trade mark will protect local purchasers from getting eggs shipped in from outside points, which is oftentimes inferior stock.

AN AUTHORITY

Prof. Gowell, of Maine Experiment Station claims April 15 to June 15 is the ideal hatching time. Follow his advice and book orders now for May and June delivery.

S. C. White Orpington Day-Old Chicks

Aldrich Farm, Kellerstrass and Byers strains. Price is reasonable. Remember, satisfaction guaranteed or money refunded.

DR. J. J. BOONE, MT. VICTORY, OHIO

Buff Plymouth Rock Eggs

from Cleveland and Chicago winners, half price after May 15. Choice Breeding Stock for Sale.

FRANK C. COLE
Van Wert : : : Ohio

White Rocks, Fishel Strain
Regal White Wyandottes
Baby Chicks, $15 per 100 up.
Hatching Eggs. Mating List.
T. F. Richardson, "Colfax", Evanston, Ill.

By Decision of the Judges at different shows we have the

Orpingtons THAT ARE BETTER

Over 60 ribbons this season, also several specials and cups. Our free catalogue tells all about them.

White, Buff and Black

Every one a superb Orpington. Imported and domestic, utility and show birds at prices below all others.

Breeding trios and pens, also young birds at prices that will astound you. Write your wants, we can supply you at the right price. Mention A. P. J.

This Trade Mark Assures You of Birds of The Better Kind.

BRUCE Poultry & Stock Farm

Lynbrook, L. I., New York

SIMPLEX PERFECTION
SIMPLEX SUPPLY HOUSE
CHICAGO, ILLINOIS, U.S.A.
FEATHER BROODER
PATENT APPLIED FOR

The Prices A

Sewickley, Pa., March 21, 1914

Simplex Supply House:

We received the two Feather Brooders in good condition, and are very well satisfied with both. The galvanized iron one is fine for out of doors, and the wood frame one we have used inside of house. Have not lost a chick out of 54.

Respectfully yours,
MRS. D. T. McCABE.

Here Is Where You Save Money On
Simplex Feather Brooders

50-Chick size—1
100-Chick size—2
150-Chick size—2

A Real Life Saver for Chicks

You have used and heard of many types of Brooders and Hovers—but in all of them there was something lacking—that something, that would reduce the great chick loss.

Well, that something has been found and is embodied in the Simplex-Perfection Fireless Feather Brooder and Hover.

We have experimented with Simplex Brooders and Hovers in a hundred different ways and in each and every case they have proven a grand success.

If you use a Simplex Brooder your chick loss is reduced to a minimum, as has been proven by the use of same in the largest poultry plants in the country.

When you buy a Simplex Brooder—a guarantee goes with it — that you will raise more chicks and have less trouble than with any brooder on the market.

If little chicks could choose their birthday they would undoubtedly prefer to arrive when conditions were favorable; the month of June or July, when the poultryman as a rule is through with his work. There would be no profit in raising chicks hatched at that time of the year, for it would be fully six months before they matured and began laying. In order to be profitable chicks must be hatched as early in the season as possible. The old fashioned way of setting the hen and letting her raise her brood is no longer resorted to, for the old mother hen at her best is but a stupid thing, and if she did brood out her batch during the early part of March and April the chances are that she could not hover them properly, that she would desert them altogether, or lead them out into the damp grass and let them die from exposure from the weather; therefore, the modern poultryman resorts to artificial means of raising chicks.

The little chicks are helpless and cannot prevent you from housing them wherever you please, but instinct tells them that feathers will keep them warm and for this reason they take to the Simplex Perfection Feather Brooder like young ducks take to water, and they are perfectly contented and well cared for when they get inside.



Brooder with Rat

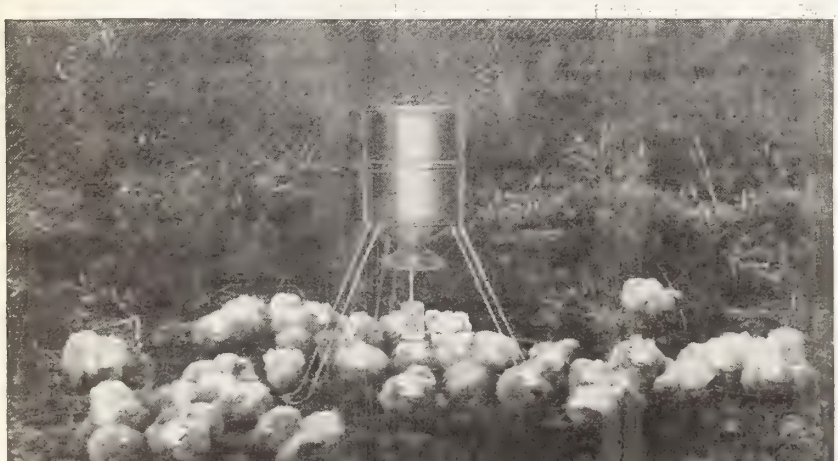
Our Guarantee: Prompt shipment of order, and if goods are not entirely sati
simply return goods and get your money back. This applies to the Simplex F

Simplicity Baby Chick

BEGIN RIGHT — SAVE WORK — BE SUCCESSFUL

Dear Sirs:—Regarding the Simplex Automatic Feeder which I purchased from you on Dec. 31, 1913, will say that I think you have solved th problem of feeding, and without a doubt it is the greatest and most practical feeder on the market. It has reduced my feed bill fully 50 per cen during the past three months and I find that m birds are far healthier and the egg yield great by a larger percentage than ever before. I tak great pleasure in recommending it to everyo and would not be without it for ten times t cost. As an example, I have one installed in pen which consists of twelve S. C. White Orpin tons. I fill it on Monday and don't have worry about my birds until the following Mo day when I refill it. Anything I may be able do for you I will be glad to. Wishing you t greatest success in the world, I am,

Yours truly,
W. M. METZER, Box 113, Hot Springs, Ar



A Group of Contented Little Fellows Around A Baby Chick Feeder

The above letter tells the story. T one of many hundreds which we have file. The Baby Chick Feeder will feed y chicks just right; the food is kept sw and clean, no dust or dirt, moisture or purities of any kind can get into the in the hopper of a Simplicity Kant-K Feeder. Simply fill the hopper and chicks do the rest.

Dealers Wanted. Order direct from

Simplex Supply House
Canadian Factory, Birchcliffe Po

e Slaughtered

THE SIMPLICITY
SIMPLEX SUPPLY HOUSE — KANT KLOG — CHICAGO, ILLINOIS, U.S.A.
POULTRY FEEDER

ide diam., wt. 15 lbs., reg. pr., $5.00, **Sale Price $3.50**
ide diam., wt. 16 lbs., reg. pr., 7.50, **Sale Price 4.90**
ide diam., wt. 17 lbs., reg. pr., 10.00, **Sale Price 7.45**

ces only for 1914 Spring Season, or while they last

Newark, N. J., March 21, 1914.
Simplex Supply Co., Pontiac Bldg., Chicago, Ill.
Gentlemen: Just a few lines to let you know that the Feather Brooders I got from you in January, 1914, give me very good satisfaction, and will want more of them shortly. Kindly hurry along the brooder I ordered a few days ago, and oblige
Yours very truly,
H. C. BIERTUEMPFEL.



ain Both Removed

Simplex Perfection Feather Brooders Are Superior to Heated Brooders

Pages could be written on the reason why our Simplex Perfection Feather Brooders are superior to those requiring artificial heat, but suffice to give you a few of the more important ones. Less than 50% of all the chicks hatched live to a marketable age. This percentage of loss can be greatly reduced and overcome if the Simplex-Perfection Feather Brooders are used, because when using them there is no danger of fire, no danger of overheating, no danger of chilling, no danger of gases or fumes, no danger of leg weakness, no danger of crowding, no danger of smothering, no danger of bowel trouble, no oil to buy and lamps to replace.

When heating a brooder artificially you may be able to hold the same temperature for days, or as long as no chicks enter the brooder, but as soon as the chicks enter, the temperature begins to rise. This condition is caused by the additional body heat of the chicks, and often results in the loss of many chicks which would have lived had the temperature in the brooder remained the same.

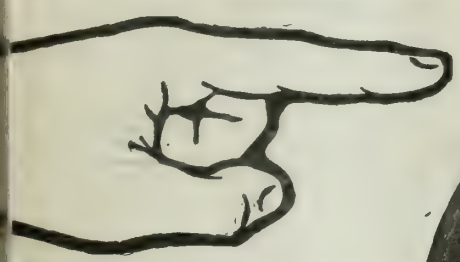
When entering a fireless feather brooder the chicks take their own body heat in with them, and the feathers in the brooder distribute it equally. No matter how many or how few chicks you put into the Simplex-Perfection Feather Brooder, the temperature never rises above or falls below normal. A successful user of a Simplex Brooder put twelve chicks less than 24 hours old in a Simplex-Perfection Feather Brooder when the thermometer registered near zero, he put the brooder in a barn over night and in the morning was greeted by 12 lively little chicks ready for their breakfast. This was done simply as an Experimental test to see what could be accomplished with our Simplex-Perfection Feather Brooder. This test was as far as we or any reasonably fair-minded person would care to carry it, but it proved beyond a shadow of doubt that chicks do not require artificial heat no matter how cold the weather, as long as they are protected by feathers and no draft reaches them.

In conclusion let us say that your chicks are safe from cold, safe from exposure, safe from rodents, safe from overheating, safe from poisonous air, when they are raised in Simplex-Perfection Feather Brooders.

in every way money will be returned promptly---no excuses---no arguments---
Brooders as well as the Simplicity Kant-Klog Feeders. You take no chances.

eeder

Regular Price $1.25. Special Sale Price for Month of May, ONLY





$1.00 Delivered

Large Flocks Easily Fed

on this
le mark
THE SIMPLICITY SIMPLEX SUPPLY HOUSE KANT KLOG CHICAGO ILLINOIS U.S.A. POULTRY FEEDER
It protects your chickens

PRICES

Chick, regular price $1.25, special for May only	$1.00
—Low Coop	1.50
—Medium	2.50
—Special	3.00

for complete catalog of supplies.

lax Bldg., Chicago, Ill.
y House, Birch Cliff, Ont., Can.

The Prices Are Slaughtered

SIMPLEX PERFECTION FEATHER BROODER — SIMPLEX SUPPLY HOUSE — CHICAGO, ILLINOIS, U.S.A.

Sewickley, Pa., March 21, 1914

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Special prices only for 1914 Spring Season, or while they last

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Brooder with Rat[illegible] Curtain Both Removed

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When entering a fireless feather brooder the chicks take their own body heat in with them, and the feathers in the brooder distribute it equally. No matter how many or how few chicks you put into the Simplex-Perfection Feather Brooder, the temperature never rises above or falls below normal. A successful user of a Simplex Brooder put twelve chicks less than 24 hours old in a Simplex-Perfection Feather Brooder when the thermometer registered near zero, he put the brooder in a barn over night and in the morning was greeted by 12 lively little chicks ready for their breakfast. This was done simply as an Experimental test to see what could be accomplished with our Simplex-Perfection Feather Brooder. This test was as far as we or any reasonably fair-minded person would care to carry it, but it proved beyond a shadow of doubt that chicks do not require artificial heat no matter how cold the weather, as long as they are protected by feathers and no draft reaches them.

In conclusion let us say that your chicks are safe from cold, safe from exposure, safe from rodents, safe from overheating, safe from poisonous air, when they are raised in Simplex-Perfection Feather Brooders.

Our Guarantee: Prompt shipment of order, and if goods are not entirely satisfactory in every way money will be returned promptly---no excuses---no arguments---simply return goods and get your money back. This applies to the Simplex Feather Brooders as well as the Simplicity Kant-Klog Feeders. You take no chances.

Simplicity Baby Chick Feeder

BEGIN RIGHT — SAVE WORK — BE SUCCESSFUL

Dear Sirs:—Regarding the Simplex Automatic Feeder which I purchased from you on Dec. 31, 1913, will say that I think you have solved the problem of feeding, and without a doubt it is the greatest and most practical feeder on the market. It has reduced my feed bill fully 50 per cent during the past three months and I find that the birds are far healthier and the egg yield greater by a larger percentage than ever before. I take great pleasure in recommending it to every one and would not be without it for ten times the cost. As an example, I have one installed in a pen which consists of twelve S. C. White Orpingtons. I fill it on Monday and don't have to worry about my birds until the following Monday when I refill it. Anything I may be able to do for you I will be glad to. Wishing you the greatest success in the world, I am,

Yours truly,
W. M. METZER, Box 113, Hot Springs, [illegible]



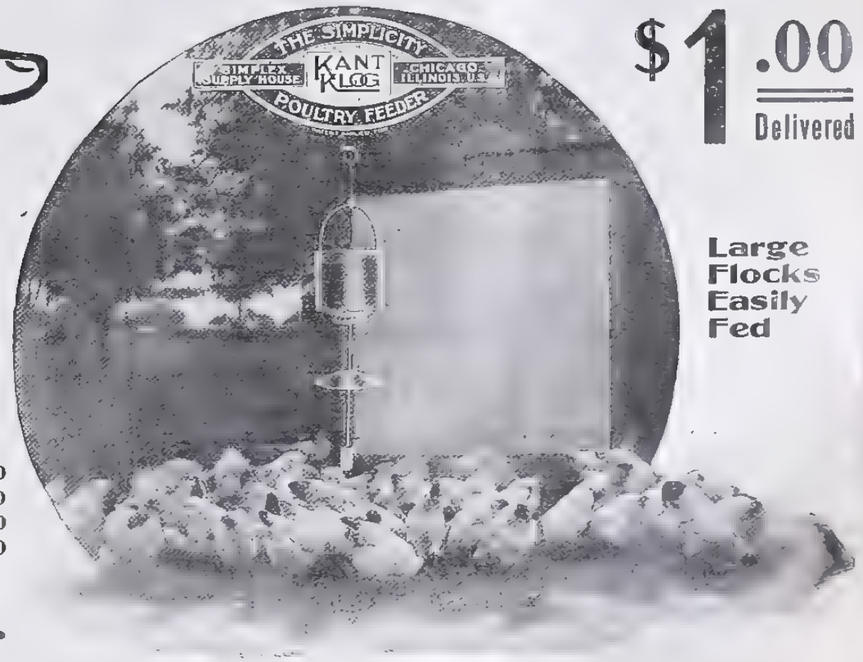
A Group of Contented Little Fellows Around A Baby Chick Feeder

The above letter tells the story. It is one of many hundreds which we have on file. The Baby Chick Feeder will feed your chicks just right; the food is kept sweet and clean, no dust or dirt, moisture or impurities of any kind can get into the feed in the hopper of a Simplicity Kant-Klog Feeder. Simply fill the hopper and the chicks do the rest.

Dealers Wanted. Order direct from [illegible]

Simplex Supply House, [illegible]ntiac Bldg., Chicago, Ill.
Canadian Factory, Birchcliffe Po[illegible]pply House, Birch Cliff, Ont., Can.

Regular Price $1.25. Special Sale Price for Month of May, ONLY



$1.00 Delivered

Large Flocks Easily Fed

Insist on this trade mark — THE SIMPLICITY — SIMPLEX SUPPLY HOUSE — KANT KLOG — CHICAGO, ILLINOIS, U.S.A. — POULTRY FEEDER — It protects your chickens

PRICES

[illegible]by Chick, regular price $1.25, special for May only $1.00
[illegible]-qt.—Low Coop 1.50
[illegible]-qt.—Medium 2.50
[illegible]-qt.—Special 3.00

[illegible]send for complete catalog of supplies.

The Mexican Athletic Club



HEAR Ye! Hear Ye! The new Mexican Athletic Club is now open for business and wants every "eligible" henman to become a member. The membership list is unlimited, the dues nothing and the benefits of the club less. Already a fine and select list of officers are in charge of the club and we promise that before long our club and its members will become world famous. The objects of this club are the furtherance of Mexican athletic sports, which, as is well known, possesses "unusual" merits for the development of the "Billion Dollar Poultry Industry." As this club has a great rival in the well known Ananias Club, we expect to pull off some stunts not only in "throwing" contests but also in the "piscatorial" line in which the Ananias Club is unusually strong. ("Piscatorial"—i. e., telling "whoppers," catching "suckers," same thing.)

* * *

At the first regular meeting of the club the following officers were elected: President, Senior Houdano; vice president, Senior Barrocco; secretary, Senior Rocco Blanco; treasurer, Senior R. I. Reddo; directors, Senior Orpintonio, Senior Wyandotto, Senior Legorno.

* * *

It was voted to have a life-size portrait painted by one of the "world's best artists" of George P. Burnham, one of the greatest Mexican athletes the poultry business has ever produced, for it was he who at the Hartford meet scored 99¾ on a Light Brahma male and 98¾ on hen. This magnificent feat has never been equalled in modern history as the talent of the younger generation runs more in the direction of vocal power, in which line some of the members are so well developed that they can make themselves heard for unlimited distances.

* * *

Senior El Toro, who by the way is the most talked of member of the club and an expert on advertising, gave an interesting talk on matters connected with poultry publicity. Among others he read an ad poem which he says has influenced more people to separate themselves from their hard earned dollars than any other advertisement he ever used.

For the benefit of our members we reproduce same herewith:

"Bunk," "Junk" and "Punk."

We have won at Crystal Palace, Philadelphia and Baltimore,
And at Cleveland, Chicago and New York have won ribbons and cups galore;
We have cleaned up the bunch in New Jersey, and trimmed them at New Orleans,
Have copped off the ribbons at Scranton, for we've "the best in the world," so it seems.

An egg every day our hens lay, and they do it the whole year around,
And much larger than any we know of, for three of them will weigh a pound;
Their flavor and color is better; that is an absolute fact;
We have fully a thousand letters that will prove it to you, by Heck.

We will sell you a setting of eggs this year that will hatch you some cracker-jack birds,
"There's a reason" again what we say here, it's the absolute truth you have heard.
Fifteen fine lively chicks from each setting is our iron-clad guarantee,
They will start you in business much quicker than anything else we can see.

As the parents of these chickens were winners at Boston and Madison Square,
They will certainly cop off the ribbons at any old show or fair.
Our price, twenty dollars per setting, is as cheap as the proverbial dirt,
So send us your money real quickly, for we have only very few birds.

And when you begin advertising you can copy our ad which you read,
Some people may think you are lying, while others believe what you said.
As bait for catching the suckers you will have to hand them some "Bunk,"
For that is the only good method by which you'll get rid of your "junk."

* * *

We mentioned before that every "eligible" henman could become a member. In order to become "eligible" you must own at least one direct descendant of a Madison Square Garden or Boston winner, no matter if it was hatched from an egg, that was laid by a hen, that was hatched from an egg, that was laid by a hen, and so forth "ad libitum," as it says on the doctor's prescription.

* * *

The official motto of the club is "Mucho vivo el toro." Every member knows what it means and it's no secret with them. We give you a tip: Look it up in a Spanish dictionary.

* * *

At the close of the meeting Senior El Toro said that in looking over some of the poultry publications he noticed unusual talent among some of the advertisers; even the weaker sex gave promise of great results with a little more knowledge of the subject. Their work was a trifle crude as yet but that they knew a good thing when they saw it. He suggested watching them and if they continued as well as they started he would vote to make them full-fledged members of the club.

L'Envoi

The Mexican athlete can throw the "bull."
(This is no news to state.)
For if he would not do it
He'd soon be out of date.

Green Ridge White Orpingtons

Cook Strain, Win at Pittsburgh Fanciers' Show, February, 1914—Championship special for best display, cock 1st, pullet 1st, hen 3rd and 4th, cockerel 1st and 2nd, pen 1st, on eight entries. Eggs and Stock for sale. Write us your wants.

Green Ridge Poultry Farms, Inc. -:- **Green Ridge, Maryland**

Are You Looking for Real Eggs?

That's what you get when you buy the famous Vibert Trapnested Red eggs. Every fowl on our farm is hatched and raised by a **mother hen,** they have been raised on free **clover range** and sleep in open front colony houses.

They are scientifically line bred according to **Government methods.** These birds are the oblong type, low tails, long backs, red eyes and our farm is **free from roup and we have never known a case of white diarrhoea.**

We gather our eggs hourly and deliver them to you promptly, unbroken—they are highly fertile, full size and weight and unblemished.

Per setting, $5, $10 and $15, special prices in hundred lots.

A few trios, cockerels and mated breeding pens for sale—all of these from trapnested hens with laying records of from 211 to 267 eggs. Write to us today.

VIBERT RED FARMS
Box 70 **Weston, New Jersey**



"MUCHO Vivo El Toro." Thus sings the poultry poet in his splendiferous and grandiloquent language, and by jinks! we feel like joining in the chorus. We have seen



Black Orpington bred and still owned at the present time by Wm. Cook & Sons, Scotch Plains, N. J.

at times magicians on the stage make the same thing appear in different places at the same time, but we had no idea that the same chicken could be bred or owned by different people in different parts of the country. In looking over the pages of the "Industrious Hen" we find that this really can be (?) the case, for on page 339 we read that the same bird which we know was bred and is still owned by Louis Lee Haggin of Lexington, Ky., is also owned by "The Womans College Poultry Farm," of Meridian, Miss. Looking further, on page 341, a picture of a Black Orpington, which was bred and owned by Wm. Cook & Sons of Scotch Plains, N. J. Again the Womans College claims ownership. Looking still further we find on page 361 an advertising design used by these people that looks a whole lot like the one we made for the Blue Ribbon Poultry Farm of Columbus, Ind. The Womans College is not the only one that can perform these feats of magic. The Bruce Poultry and Stock Farm of



White Orpington bred and still owned by Louis Lee Haggin, Lexington, Ky.

Lynbrook, L. I., has them beat to a frazzle. On page 97 of the Poultry Item they show a picture of "Sensation" and below it give a description of the bird. Now we know to a certainty that the original was bred and is still owned by A. E. Martz of Arcadia, Ind., the well known breeder and originator of the "Fashion Plate Strain" of Buff Orpingtons. We also know and have Mr. Martz's assurance that he still has the bird in his yards and a picture of same appears on a page of his catalog. It is an easy matter to take a picture from a breeder's catalog and have some artist put in a new background on the picture or change the shape a trifle and palm the bird off as their own production. The amateur who knows little about these stunts is the one who will be deceived and seldom is satisfied with what he gets in stock or eggs from breeders who will use pictures bought and paid for by somebody else.

We believe that this practice is as



Buff Orpington bred and still owned at the present time by A. E. Martz & Son, Arcadia, Ind.

wrong as it is to fake birds or to borrow some for exhibition, and every breeder who is a member of the American Poultry Association should be expelled not only from the association but

EGGS from my best pens after May 1 at half price or will sell a number of our best breeding birds at a bargain. Satisfaction guaranteed. Write for mating list. **G. A. Walker, Polo, Ill.**

Black Langshans

Winners Grand Central Palace, N. Y., Augusta, Ga. Philadelphia, Pa., etc. Send for catalogue.

Dr. Peter Hicks, Bound Brook, New Jersey



Brown Leghorns

Champions of North and South. 14 of my 17 birds won at biggest Brown show ever held in America at recent Chicago show. Get eggs from my All-Star matings of First Prize Winners at Chicago, Cincinnati, Birmingham St. Louis, Indianapolis, etc., at reasonable prices and produce your winners like my customers are doing.

H. V. TORMOHLEN, R. 2, Portland, Ind.

We Have a Big Proposition for You



If you want one portable house for keeping a few chickens on your back lot, or if you want a number of colony houses, do not fail to write for circulars and prices on portable chicken houses. Many styles and sizes. Shipments made from coast to coast. Prices $9.00 to $50.00. Write for circulars to-day. Mention A. P. J.

The Lytle Lumber Company, Deshler, Ohio



COLORED LEG BANDS

Big Black Figures on White Background.

All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.

A. P. Spiller : Dept. A : Beverly, Mass.

Buy Certified, Inoculated Black Orpingtons

No Roup! No Sickness! Success Sure!

From this day on we will offer all exhibition and breeding quality Black Orpingtons that have been treated by this wonderful serum and new treatment, which guarantees a sure preventive for roup and all kindred diseases that are the bane of the poultryman of to-day.

Write at once for new Mating List and circular describing above treatment.

A winning strain. Hundreds for sale.

J. T. ADAIR, Black Orpington Specialist
Millersburg, Bourbon Co., Kentucky

MADISON SQ. WINNERS



Over 43 prizes and specials in the Garden. 4 firsts on Rose and first on Single Comb Brown cock in one year.

The two best strains of Browns bred. They win. They are large and lay up to 242 eggs to a pen. Large eggs.

Breeding and show stock. Egg $2, $3 and $5 per 15.

Rose Comb White Leghorns—Large white birds, large eggs, 244 eggs to a pullet best record. Winners.

Single Comb Whites—236-egg strain. Plenty of white low-tailed cockerels.

White Wyandottes — Duston and Regal. Cup winners.

Barred Rocks — Bradley. S. C. Reds — Tompkins. Catalog.

W. W. Kulp, Box 70, Pottstown, Penna.

his advertising also should be refused by the poultry press. The American Poultry Journal will under no condition run a picture of a bird unless the advertiser has absolute right to it or permission from the former owner.

EDITOR A. P. J.

How to Kill and Bleed Poultry for Market.

"Grasp the chicken, when killing, by the bony part of the skull. Do not let the fingers touch the neck. Make a small cut with a small, sharp-pointed knife on the right side of the roof of the chicken's mouth, just where the bones of the skull end. Brain for dry picking by thrusting the knife through the groove which runs along the middle line of the roof of the mouth until it touches the skull midway between the eyes. Use a knife which is not more than two inches long, one-fourth inch wide, with a wide, flat handle, a sharp point, and a straight cutting edge."

The above instructions on the proper methods of killing poultry were issued by the Department of Agriculture. At least 30 per cent of all the poultry



Original trade-mark of the Blue Ribbon Poultry Farm, Columbus, Ind., which the Woman's College Poultry Farm, Meridian, Miss., copied to a certain extent.

coming into the New York market is incompletely bled. Much of it is so badly bled that it results in a loss of from 2 to 5 cents a pound, as compared with the corresponding poultry which is well bled and in good order, continues the Department. Aside from the bad appearance of incompletely bled chickens, their keeping properties are very inferior. The flesh loses its firmness sooner; its flavor is not so good; the odor of stale flesh and finally of putrefaction comes sooner; and in every way the product is more perishable.

A very large proportion of the unsightly poultry in our markets aside from the rubbing and tearing of the skins, is caused by an incomplete removal of the blood. This is evidenced by red dots which frequently occur where the feathers have been removed, especially over the thighs and wings, or by the small veins, which mar the appearance of the neck. Generally it is the neck which shows most plainly the presence of blood in the fowl, or that a wrong method has been used in cutting the blood vessels in an attempt to empty them. The neck is the first part to discolor, becoming first red, then bluish red or purple and finally green as aging progresses.

SCHULTZ'S BUFF WYANDOTTES

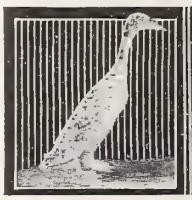
Four grand pens mated. Headed by the following males: 1st cockerel and 2nd cock, Madison Square Garden, Dec. 1913; 1st pen cock, Hagerstown, Oct. 1913; 1st cock, Cleveland, Dec. 1913. A few males to spare. Eggs and baby chicks. Mating list free.

W. F. SCHULTZ
Box 97 Cuyahoga Falls, O.

Rouen Ducks

Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings.

Sweetbriar Farm
LOUIS B. SCHRAM, Prop.
ELBERON -:- NEW JERSEY



JEFFERSON'S WHITE RUNNERS
America's Best
Write for Price List
The Jefferson Farms
ALBANY, GA.

POULTRY PRINTING

Letterheads, Envelopes, Noteheads, Business Cards, Postal Cards, Shipping Tags, Mating Lists, Circulars, Folders, Billheads, Etc. Write us for Free Samples and prices before placing your order. We use up-to-the minute cuts, free. Kindly mention your breed.

Thomas E. Clark & Co., 14 W. Fourth St., Michigan City, Ind.

IF YOU WISH "QUALITY" WRITE US



BROWN LEGHORNS

Three first cockerels and two first cocks, Chicago, 1909-10-11.

June Bargains in Best Brown Leghorns—$10.00 eggs now $5 per 15, $5.00 now $2.50. Not too late to hatch winners for Winter shows Free circular. Address W. H. Wiebke, Box P-348, Fort Wayne, Indiana.



USE THE "ALL WOOD" BROOD COOP FOR BEST RESULTS

Perfectly lighted and fully ventilated, it is thoroughly sanitary and absolutely rat-proof. Made of wood with combination wood and earth floor, is much cooler in summer than metal. It is built in workmanlike manner, attractive to the eye, and sold

At A Lower Price



than you can build it yourself. As shown in the cut at the right, it can be instantly folded flat and stored away in small space. Satisfaction guaranteed or money refunded. Write today for illustrated circular and price list FREE.

N. W. LUMBER CO., Box 501, New Washington, O.

WETMORE'S WHITE WYANDOTTES

Are equal to the BEST. Under leading Judges, that are specialists on White Wyandottes, and in strong competition,

THEY WON AT

BUFFALO SHOW

1st and 3rd Pullet, 2nd and 5th Pen and 5th Cockerel in 1913, and 2nd Cockerel, 4th and 5th Pullet in 1914.

Splendid Winter Layers, the resul of careful selection. A choice lot of Cockerels, Pullets and Pens for sale.

C. S. WETMORE
ABBOTT ROAD. LACKAWANNA, N.Y.

Questions and Answers

Conducted by
Prince T. Woods, M. D

Labeling Foreign Eggs.

Q. Would suggest that the poultry journals circulate pamphlets giving reasons why foreign and cold storage eggs should be labeled and that the readers sign a petition for proper labeling of eggs. It seems to me that the Government is in duty bound to give their attention to a matter that affects so many citizens. Something ought to be done to protect the producers of good new-laid food eggs.

Chicago, Ills. J. J. T.

A. We doubt the effectiveness of a campaign of circulars and effort to get a petition. A better way would be for every person interested to write a personal letter to his Congressman and to the member of the State Legislature from his district. Also to take the matter before the State Board of Health and the Pure Food Department of the U. S. Department of Agriculture.

Our present laws require that foodstuffs be properly labeled and a penalty is provided for misbranding or labeling with misleading labels. A number of States now require that Cold Storage Goods be labeled and fine any dealer who misrepresents them as fresh goods and is caught at it. Cold storage eggs are not fresh eggs. Foreign eggs from the Eastern Hemisphere can't be fresh eggs when they get to this country. To sell them without a label is undoubtedly illegal and to sell them as "fresh eggs" is criminal misrepresentation. We have already given in the editorial columns for the past few months many reasons why foreign eggs should be labeled, but there is one great reason that can't be overlooked and that is, that it is fraud to sell eggs as "fresh" that have been collected abroad and shipped a month's journey, or that have been held in storage many weeks or months. An effective method of getting after this matter would be to lodge a complaint against every dealer who offers eggs for sale that are not properly labeled.

We are disposed to believe that the heavy importations of foreign eggs are made largely with the intent to scare our own producers with the bogey of cheap foreign competition, in order to get the price of the domestic product down. The better class of trade is not going to take kindly to stale foreign eggs.

Even in a small territory, comprising only a few towns, brief witholding of eggs from the collectors effected a betterment in price during April. Collectors had been reluctantly offering 16 to 18 cents a dozen to small producers. The most of them stopped selling and begun to put down eggs in water-glass and to hatch more eggs. The result was that within a week the same collectors were offering 22 cents a dozen and later offered 24 to 25 cents a dozen and could not get enough eggs to supply their local trade. At the same time the collectors were paying 16 and 18 cents to small producers, the large plants were shipping eggs in case lots to the city and getting 24 cents a dozen at wholesale. If egg producers would co-operate they could help themselves and more readily meet cheap foreign competition.

Spring Cleaning of Poultry Runs.

Q. Is it necessary or a good thing to plow up the chicken yard and at the same time plow in lime? Does it help to prevent disease?

Cold Spring Harbor, N. Y. R. R.

A. It is necessary to keep poultry runs clean and the soil sweet. For small yards scrape the surface and carry away manure and soil so collected to use as fertilizer on garden. Top dress ground of runs with air-slaked lime or with land plaster (gypsum) and then turn over the soil as deeply as you can with a plow. Harrow and sow to oats at spring cleaning time. In fall scrape and plow again and sow to rye or wheat. Keeping the soil sweet helps in prevention of disease.

Crop Bound. Rattling in Throat.

Q. (1) Have two Orpington hens, crops very full and seem as if packed with dough. Skin under feathers has turned a dark blue color. Both appear well otherwise and eat. Both are broody.

A. (1) Trouble is crop bound, due to indigestion and to obstruction of crop. With a rubber tube passed down the gullet introduce about half a pint of warm water into crop. Work crop contents well and then invert the hen and endeavor to make her eject the crop contents without choking her; work it out by massaging crop and gullet. After



1st Cock St. Louis, Mo., Nov. 1913

BARGAIN PRICES

Ferris Leghorns

Now is the time to buy. May chicks make fine winter layers. Prices greatly reduced and prompt shipment guaranteed.

Ferris Leghorns have been trapnested for heavy egg production for many years. Will lay 160 eggs a year with ordinary care.

Splendid exhibition quality also—their record of **35 First Prizes and 41 Second Prizes** in one season has never been equalled. Winners for years at such shows as St. Louis, Toledo, Pittsburgh, Chicago, Detroit, Louisville, Nashville, Topeka, Indianapolis, Terre Haute, Grand Rapids and the Iowa, Maryland, W. Michigan, W. Virginia, Kansas, Alabama, Georgia, Mississippi and Colorado State Fairs.

Eggs and Chicks that will give you the benefit of our thirteen years' effort to increase egg production and improve exhibition quality. Prompt shipment whether you want a setting or a thousand.

Eggs from heavy laying stock; May, $1.65 per setting, $8.00 per 100; June, $1.35 per setting, $6.00 per 100. From exhibition stock; May, $3.30 per setting, $16.00 per 100; June, $2.70 per setting, $12.00 per 100. Chicks from heavy laying stock, May, 25 for $6.00, 100 for $20.00; June, 25 for $5.00, 100 for $16.00. Safe arrival guaranteed. Prompt shipment—we hatch 5000 per week—ship them everywhere. See catalog for particulars.

Breeding and exhibition stock of finest quality shipped C. O. D. and on approval. Hundreds of cocks, hens, cockerels and pullets with laying qualities bred in the bone. Fine shape—low tails, backs that are long and concave, full breasts, good heads, pure white plumage, yellow shanks. Write and let us describe them fully and quote prices.

Sold under a liberal guarantee of satisfaction or your money back. All stock insured for 30 days—replaced free if anything happens to them.

Ferris Leghorns are being bred on many of the leading egg farms and your success will be assured if you breed this heavy winter laying strain.

Send for our new catalogue and see what hundreds of our customers say about laying and exhibition qualities. Gives the complete story of how we established and improved this strain so that they win wherever shown and out-lay any other breed or strain. Fully describes all grades of stock, eggs and chicks and will enable you to get started right at small cost. Just mail a postal today—the catalog is free.

George B. Ferris, THE FERRIS LEGHORN FARM, 905 Union Avenue, Grand Rapids, Mich.

you have cleaned out crop, give hen a rectal injection of warm soapy water a few hours after the first operation. Keep away from food. After bowels are emptied give warm sweet milk seasoned with a little grated nutmeg and ginger, all they want to drink for a day or two. Follow with scant feedings of soft food and return to regular ration gradually.

Q. (2) Have a Partridge Wyandotte that has what appears to be a heavy cold, rattles in throat, breathes hard and gapes at intervals. Have given her roup cure, castor oil and other dope without relief. She eats and drinks all right and has no discharge from nostrils. Does not lay.

Ontario, Canada. G. W. N.

A. (2) Trouble may be incurable. It is evidently chronic and of long standing. Would put her alone in small open-front coop where she can have a small sheltered grass range. Feed only on hard grains. Supply drinking water and grit. Three times daily give her a tablet representing 1/1000 of a grain of arsenite of antimony. Same can be bought of Boericke and Tafel, New York City. If she does not greatly improve in from ten days to two weeks, would not waste any more time on her.

Probably Intestinal Irritation.

Q. One of my hens can't stand up, stays on side, and neck seems to be cramped up. Is it gape worms or a louse in her ear?

Dagget, Wash. R. R. L.

A. Neither. Trouble is intestinal irritation of some sort. May be poisoning from indigestion or may be due to intestinal worms. Give enema of warm soapy water to wash out bowel. Allow only a little warm milk to drink and keep the bird quiet for a few days.

Trouble with Sitting Hens.

Q. I am having trouble with sitting hens. Eight of them were given 14 eggs each. All but two of them have diarrhoea. It developed after they had been sitting for about a week. Combs and face pale and yellow. Droppings very soft dark green, tinted with yellow and pink and white. They get off the nest every day, yet they get the nest and eggs all messed up and also themselves. The rest of the flock seems good and healthy, but as soon as they begin sitting they get in this shape and by the time a hatch comes off they are not able to take care of the chicks on account of weakness, seem to lose all ambition and crush their chicks.

Have a 20x32 open-front house divided by center partition, one-half for sitters and the other for layers. Sitters have their feed before them all the time, which is whole corn, corn chops, oats and wheat bran. They have good grit, shell and water. Also have a dust bath and a large scratching shed. I throw some of their feed in litter, but they also have it before them in a box. I cannot give them free range as this would give other birds access to the brooding room. I also give them a little green bone about twice a week. House is cleaned and looked over the first thing every morning.

Arkansas City, Kans. O. W.

A. STOP feeding green bone to sitters. Also cut out all mashes dry or moist for sitting hens. Feed only on a very little wheat and plenty of good sound whole corn kept in a box always before them. Allow grit and drinking water.

Before you use any more hens for incubation purposes treat the whole flock to a dose of Epsom salts. In a moist mash use ¼ teaspoon (level) of Epsom salts per hen. Dissolve the salts in water and add full amount of water to be used in mash to this first, then mix in the ground feed thoroughly. Give another dose in a few weeks.

Be sure to dust sitting hens with flowers of sulphur or with Persian insect powder before setting and after they have been on nest 17 days. Look out for mites and keep the house free from them.

Sex of Guinea Fowl.

Q. Please tell me how to tell the sex of Guineas.

Utica, Mont. G. R. K.

A. The call of the fowl is easiest way to tell the sex. The female has a two-syllabel call which sounds like "buckwheat" or "good luck." The male uses a one syllable sound which resembles "click." Both sexes have the same peculiar rasping alarm cry. The male can also be distinguished by his gallantry



and he will usually be found on guard when female is nesting. The female talks the most and almost incessantly in the early evening at roosting time or on bright moonlight nights. The male has very little to say except when disturbed and then only a series of rather excited clicks. The appearance of strangers, dogs or hawks will start both sexes off on the alarm cry which sounds like the old fashioned wooden-cog rattle once used by watchmen and now as a toy. The call of the female may be heard at all hours of the day or at night when she wakes and proceeds to discuss matters with Guineas on neighboring branches. Some observers have said that these habits of speech remind one of human kind.

Open-Air House in Cold Climates.

Q. I have the book "Open Air Poultry Houses for All Climates." All climates? Are you of the opinion that the open-front house would suit this climate? The lowest temperature during this winter has been around 35 to 40 degrees, but unfortunately it is a foggy damp cold. Knowing Dr. Coard, farm editor of Calgary News Telegram, I told him of the book and recited some of its contents and he emphatically declared that such a house would not do in this climate.

Of course there are people who cannot forget the medieval style of things and anything modern is opposed by them therefore I want your personal opinion. The open-air plan certainly appeals to me, but I am not in the position to experiment.

Calgary, Alberta. W. H. S.

A. Bulletins isued by the Canadian Government have advised and recommended open-front poultry houses for use in Canada. We believe you would find either the Woods or the Tolman house entirely satisfactory in your climate. They certainly would be much more comfortable than the damp chill of the ordinary type of closed house. We have had a number of reports of success with open-front houses in the Northwest and subscribers have reported wintering fowls satisfactorily in such houses where temperature fell to 40 degrees below zero. We had only five fowls in a 20x20 ft. Woods house, right on shore of a large pond and within four miles of the Atlantic coast and they were entirely comfortable, happy and laying during a prolonged spell of below zero weather this winter when the temperature fell to 24 degrees below zero.

There are a lot of people who are still afraid of fresh air in the open. They can't understand or appreciate the benefits of open-air living or its comforts. Dr. Woods' entire family including a six-year-old girl and a ten-year-old boy slept every night in the open air on a wide open sleeping porch all winter long and found it very comfortable and healthful even when thermometer registered 24 degrees below zero. It was actually more comfortable in the open-air sleeping quarters than in a cold bedroom in a house where the other rooms are heated.



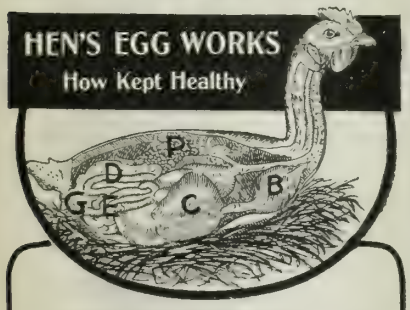
DIRK'S RED MITE KILLER

Mites cannot breed or harbor where it is used. One application each year does the work. Write for special trial price.

M. E. DIRK

Box 102 North Baltimore, Ohio

WHAT DO YOU KNOW ABOUT A



To the first hundred readers of this Journal, who guess two of the organs of a chicken as represented by B. C. D. E. G. and P. in this picture, we will send **free** a dollar bottle of **Oculum**, if you send 25c for postage, packing, etc. **Oculum** will add from ¾ to 1½ lbs. to the weight of each chicken you raise and it will greatly increase your egg out put. Use **Oculum** and Cholera, Roup, White Diarrhoea, Blackhead and Leg Weakness will **get out and stay out.**

"OCULUM has performed miracles for us."
—Foxhurst Farm.

"I would not think of doing without OCULUM if it cost five times what it does."—U. R. Fishel.

"You surely should have a large sale for "OCULUM" when its qualities become known."
—A. C. Hawkins.

"Never found its equal."—Oscar E. Miles.
"Works like magic."—Trexler Poultry Farm.

At your dealer, 50c and $1 a bottle. If it is not O. K. money back upon request. Send in your guess today. Literature free. Agents wanted.

H. I. CO. Box B Salem, Va.

Loss of Neck Feathers.

Q. My entire flock is apparently affected with lice of some variety but I am unable to find any on the birds. Trouble starts with loss of few feathers from neck, which appear to be eaten off closely leaving just a stub or quill and it gradually extends around the neck until all the feathers are off. Skin is red and irritated and the feathers look as if eaten by lice.

Pana, Il. W. W. H.

A. Trouble probably is caused by depluming mites, although a similar condition results from feather pulling, indigestion from lack of fresh raw greens and from several parasitic diseases. From your druggist obtain some compound sulphur ointment (Hebra's itch ointment) and apply this to the affected parts. After a few days wash parts with warm water and soap. Give birds a liberal green range with plenty of shade. If you can't do this then feed fresh raw greens freely.

Alternating Males—Eggs Did Not Hatch.

Q. I am breeding S. C. W. Leghorns and have had a little trouble so far this season hatching chicks. I have been hatching with incubators the past two seasons but never had the trouble I have at present.

I placed 139 eggs in a hot water incubator February 24th, tested out 10 clear eggs on tenth day, all rest being fertile. When hatch was due not an egg pipped.

I have 20 females hatched in 1912 mated to males of 1913 hatch. I use the males alternately allowing one in the pen for a week while other is cooped by himself. I got this idea from a good authority who has a few more females mated to one male than I have.

I began saving eggs February 1st, put them in bran, little end down. Did not turn them. They were kept in basement where temperature did not go below 40 degrees. I opened eggs when hatch was due and found chicks not fully developed, but I should judge about three days behind, which same fact I noticed at testing time.

Doswell, Va. O. A. P.

A. Incubator thermometer probably did not register properly or some other fault with operation of machine. Think you make a mistake to alternate males. Would prefer to keep only one or to let both run with the flock at the same time. Would not pack eggs in bran, simply put them in box or basket in same way they usually lie in nest and let them alone until wanted. Some of the eggs were rather old to incubate well.

Feeding Beet Pulp.

Q. Would like to know if you have had any experience in feeding beet pulp for green food to chickens. How is it used? How about feeding sprouted oats. Are they likely to give chickens canker?

Springfield, Mass. E. H.

A. Dried beet pulp is not a green food. It is simply a bulky vegetable food and a waste product from manufacture of beet sugar. It will not take the place of fresh raw green food. Fowls eat it readily and if short of bulky foods will eat it eagerly. It should be scalded with water seasoned with a lit-

START RIGHT Too many chicks are lost through bowel trouble. Feed your chicks Blatchford's "Mammoth Chick" Milk Mash. Order from dealer or write us.

Blatchford's Calf Meal Factory, Waukegan, Ill.

BUFF ORPINGTONS COOK STRAIN

Eggs for sale from prize winning stock.

VICTOR L. ADELMANN R. F. D. 1 Beardstown, Illinois

STUEBE'S WH. ORPINGTONS

"The Best in The West." If you want stock or eggs, write me. Square deal and reasonable prices.

Len F. W. Stuebe R. R. 2, Danville, Ill.



FIRST ANCONA PULLET-CHICAGO, 1912
BRED BY
DR GUY BLENCOE, ALMA CENTER WISC

Blencoe's Anconas

Have Won From Boston to Seattle

Won 1st Pen at Chicago this December, 1st Cockerel, 1st, 2nd, 3rd and 4th Pullet, 1st and 3rd Hen at Madison, 1914. Get your stock and book your eggs now.

MRS. GUY BLENCOE, Alma Center, Wis.

tle salt and allowed to swell for half an hour or so before feeding. It can be fed plain or in a moist mash. Both plain and in mashes our fowls ate it and we found it did very well when vegetables were scarce. We used about a ton in experimental work and did not note any injurious results, nor did we note any increased production while the fowls had it. For poultry keeper who finds it difficult to get a supply of vegetables for winter feeding it makes a cheap bulky vegetable food. Young chickens did not take readily to it, but half grown chickens on a range where green stuff was scarce were quite eager for it.

Sprouted oats, if not allowed to grow too long and if not mouldy are excellent food for chicks and fowls. Clean sprouted oats, free from mould, will not cause canker. Canker is caused by a micro-organism found in certain forms of mould.

R. C. Black Minorcas
I can furnish you winners for any show. Write your wants and get my prices.
J. S. BALES, SPRINGFIELD, ILL.

White Orpingtons
EGGS from my prize-winning flock at very low cost. If you want a start on the right kind without spending a great sum, send at once for my mating list. T. A. SCOTT, BETHANY, ILL.

Why not try the LUCIA STRAIN
S. C. WHITE LEGHORNS.
STOCK AND EGGS FOR SALE
ALBERT WALDRON - - TITUSVILLE, PA.

S. C. Dark Ruby Reds
CHAMPION BUFF ORPINGTON DUCKS
As good as the best. Ask for mating list.
FRED W. OERTEL, Box X, BRIGHTON, ILL.

BARRED PLYMOUTH ROCKS
The Finest Cockerel Matings
Eggs from our best remainder of season, $3 per 15, containing our state show and Bloomington winners.
FRED P. ERDMAN, NORMAL, ILL.

S. C. Buff Leghorns for 24 yrs.
Columbian Plym. Rocks, 9 yrs
Eggs and Stock. Quality High—Prices Low.
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R. C. BLACK MINORCAS
Eggs and Stock for Sale. Ask for Prices.
E. M. Campbell, 571 N. Fourth St., Columbus, O.

Black Langshans
Stock and Eggs at Summer Prices. Free Catalogue.
M. S. BARKER, R. 1, Thorntown, Ind.

BILLINGS'
Rhode Island Reds
Both Combs. If you are looking for quality, write to me. Mating List free.
B. M. BILLINGS, Box A, OBERLIN, O.

BABY CHICKS and EGGS
for Hatching. Orpingtons and Partridge Rocks.
JENNIE MILNER - NORMAL, ILLS.



DON'T let your chickens belong to the "I Didn't" class. USE—
Mundee's Lightning Roup Remedy
The remedy that hits the spot and cures the bird. Used by the world's best breeders. Two sizes, 50c and $1.00 a bottle. Write for folder.
W. J. MUNDEE, Libertyville, Ill.

SINGLE COMB BUFF
ORPINGTONS
Eggs for hatching. Stock for sale. Few Pens, $10, $15 and $20. Write for Catalogue.
OLD FORGE POULTRY FARM
Spring Grove, Pa

House Room.

Q. (1) How large a house will I need to accommodate 20 Buff Leghorns?

A. (1) An open-front house 6 feet wide by 12 feet deep will do very nicely.

Q. (2) I have a coop with 25 sq. ft. floor space, it is well ventilated, do you think it will be big enough for a pen of Black Cochin Bantams?

A. (2) Yes.

Q. (3) Can Bantams be fed with a poultry feeder?

A. (3) Yes.

Q. (4) Would you advise me to breed a cockerel with pullets?

Canton, Ohio. C. R.

A. (4) It all depends on age of the birds and how well matured they are. If fully matured or if cockerel is about 12 months old and pullets well established in laying, mate them.

Wants a Large Variety of Non-Sitters.

Q. I have White Orpingtons and they have bothered me all winter wanting to sit. Is there any large variety that are non-sitters?

Epping, N. H. L. E. B.

A. We don't know of any. Even the so-called non-sitting varieties produce quite a goodly number of broodies. If you take a broody hen when she first begins to stay on the nest at night and handle her properly there is no need to have much bother with broody hens. Provide a slat bottomed coop, preferably one that is swung so that it will tilt out of position when bird moves about. Put the bird in this the first night you catch her on the nest. Allow drinking water but no food for first 48 hours, then feed a very little wheat and oats once a day only. In a week she should be ready to begin laying again.

Animal Food.

Q. (1) What is animal food fed to poultry for and what is there in it that the fowls require?

A. (1) Animal food is fed to poultry to take the place of insects, worms, snails, and such small land and water creatures as they would get on natural range where same had not been pastured almost free of such forms of life. Natural animal food is not to be had at all seasons and on most poultry farms in scant supply even during the flush season. Fowls are very fond of both flesh and fish and these foods are good for them and help productiveness. Animal food contains animal protein for building the muscles of the body, keeping the fowl in good condition and helping it to make eggs. Animal foods supply desirable flesh, bone, nerve, tendon, blood and fat making material, and in practical experience it has been demonstrated that a mixed diet of animal and vegetable proteins yield much better results with fowls and keep them in better health than a diet that contains only the protein from vegetable foods. Animal protein is very easily digested.

Q. (2) Will blood meal take the place of beef scraps? How much can be fed?

A. (2) Blood meal is rather richer in protein than most beef scraps, contains much less fat and bone ash and cannot be fed as freely. Beef scraps of good quality can safely be left before fowls in a hopper, but blood meal is best mixed with the mash. Beef scraps are used in the proportion of about 10 to 15 per cent of the whole; while blood meal is rarely used above 6 to 8 per cent.

Q. (3) How long does it take good scrap to spoil when mixed with the mash?

A. (3) Good beef scrap will not spoil, if properly kept, any more quickly than other foods. If mixed with the mash, it will in hot weather cause the whole to become rancid and undesirable if kept long. Mixed with the mash as it is required to fill feeding hoppers it will not spoil under any ordinary feeding conditions. The precise time depends wholly on conditions under which it is kept.

Q. (4) Do you know anything about "Hen-e-ta" bone grit and which it is claimed supplies all the ingredients to be derived from beef scrap?

A. (4) Not from personal experience, although the manufacturers have advised us that they intend to send us a supply for test. It is said to be made of ground phosphate rock mixed with soda ash and silica and moistened into a doughy mass and then baked at a temperature of 2,600 degrees. This gives a

NO-ODOR
DISINFECTANT
For use in poultry houses and pens, stables, outhouses, sinks, toilets, dairies, refrigerators, etc. One pound makes 40 gallons liquid disinfectant. Destroys all odors in ten minutes. Absolutely harmless. Send 50 cents for one-pound can, charges prepaid. Satisfaction guaranteed.
S. A. HOLLAND, Dept. A, 2611 Indiana Ave., Chicago, Ill.

Closing Out Sale
Having sold our farm we will make very attractive prices on all our stock, including our famous New York winners. Everything must go—eggs and stock.
Partridge Plymouth Rocks
Black Langshans
Don't wait. These bargains will never be offered again. TONY TANK FARM, C. G. Heebner, Manager, Salisbury, Maryland.

V COMBED
HOUDANS
5 pens mated, each headed by a ribbon winner, with 1st pen headed by 1st cockerel, Boston Show, 1914.
Eggs for Hatching Stock for Sale
Satisfaction guaranteed. Write for prices and mating list.
J. L. METZLER, FINDLAY, O.

Muntz's White Leghorns
Winners at Coliseum, Chicago, State Fair and Elgin
EGGS AND STOCK AT REASONABLE PRICES
Send for FREE MATING LIST
HARRY A. MUNTZ
565 Spring St. Elgin, Ill.

THE IDEAL POULTRY FEEDER
— AND —
THE IDEAL DRY MASH FEEDER
Send for Circulars
The Miller Anchor Company
P. O. Box 293 Norwalk, Ohio

Pagel's Non-Klog Economy Dry Feed Hopper


Easy to fill, no waste, rat and bird proof. Undoubtedly the best feeding device on the market.
Pagel's Drinking Fountains keep the water as cool as well water in summer; in winter, warm water for 24 hours, non-freezing.
If your dealer cannot supply you, send to us for descriptive literature and prices.
Pagel Poultry Supply Co.
Rockford, Ill.

porous lava-like material which is then ground to suitable size for feeding. As a source of phosphorus and lime it should be of value but we do not see wherein it takes the place of beef scrap. From the testimonials we have seen it is evident that quite a number of poultrymen are using it with satisfactory results.

Q. (5) Do you know anything about "Succulenta" tablets to be dissolved in drinking water to take the place of green food?

A. (5) We do not. We have seen them advertised and have seen testimonials from poultrymen who claim to have used them with good results. We have also had letters asking for information concerning certain poultry skin disorders and loss of feathers, which we attributed to an insufficient supply of green food and in these letters the correspondents stated that they had used the tablets regularly as a green food substitute. It is our candid opinion that no tablet can take the place of fresh raw greens. Fresh raw greens and their contained fiber, when at the right stage of tenderness and succulence, before the fiber becomes too woody, are the kind of green food Nature intended for fowls and we consider raw greens very necessary for both chickens and fowls. If you have any doubts about it watch the fowls on young grass range or the chicks less than a week old when they are given a sod with fresh young grass on it. We have used sprouted oats freely for both adult fowls and small chicks and always with good results.

Q. (6) Is this a good mash for winter layers and for breeders?

Wheat middlings	50 pounds
Wheat bran	50 pounds
Ground oats	50 pounds
Corn meal	50 pounds
Beef scrap	50 pounds
Linseed meal	30 pounds
Alfalfa meal	30 pounds
Salt	2 pounds
Wood ashes	2 pounds

A. (6) We would add 50 pounds of Buffalo gluten feed and would cut out the wood ashes. Would also omit the linseed meal every alternate two weeks. Give them a box of coal ashes to pick over and also a box of good feeding charcoal.

Q. (7) I used 100 pounds of Purina chicken chowder beginning February 2d and my hens have laid double the amount of eggs since I started to feed it, but it smells a good deal like fertilizer? Do you know anything about it?

A. (7) Have never used it. Evidently you had good results, although the egg yield should normally improve from the first of February on.

Q. (8) Would a Woods open-front house be all right for a brooder house if windows and curtains were used in the front?

A. (8) Yes.

Q. (9) Doctor I wish you would put your picture in the paper, will you?

Anderson, Ind. F. B.

A. (9) Maybe some time, if everybody is good and the camera can be found with a lens strong enough to stand the strain.

Long House or Colony Type, Which?

Q. (1) For a flock of laying hens, which style of houses or system would you advise, the long continuous house or colony houses?

A. (1) A great deal depends upon your location, the lay of your land and the amount of acreage at your disposal. Where there is plenty of land with opportunity for large alternating ranges, the colony plan works well. Diseases are more easily prevented and epidemics suppressed where there are several colonies than where a long house is used. Where most of work must be done afoot, the long house saves labor, while if a horse or car is used in work then a well planned colony system can be handled very conveniently and with considerable saving of labor and expense.

Q. (2) Among successful poultrymen, what is used as green food and how is it prepared and fed?

Nashotah, Wis. G. D.

A. (2) A variety of vegetable foods in season. Some sow rye and oats for forage, clover and corn fodder to be cut while young and tender and put through a feed cutter, mangels, waste potatoes, rape, cabbages, waste from truck gardens, and any good cheap vegetable food. Some have special cellars for sprouting oats. Green foods and vegetables should be fed when succulent and tender. Withered vegetables are not readily eaten and those that have grown old, tough and full of woody fiber are of little value. Some throw down or hang up the vegetable food and let the fowls break it up and eat what they want. Others consider that much is wasted unless the whole is chopped up fine and so fed. With fine cut vegetable food the fowls undoubtedly eat more indigestible woody fiber.

KAUFMANN & WINDHEIM
R. C. REDS
NUTLEY -:- NEW JERSEY

BUFF WYANDOTTES
EXCLUSIVELY
EGGS from four good pens of solid buff birds.
O. A. Browne, 2217 Latham St., Rockford, Illinois

Congo Orpingtons and Black Cochin Bantams
None Better Bred
Mrs. & WM. H. Moore Chadds Ford, Pa.

OAT SPROUTER $2
For $2.00, including heating apparatus, you can make the simplest, most efficient and satisfactory Oat Sprouter ever constructed. You can operate it with less trouble, less fuss and less muss than with any Sprouter sold. A 14 year old boy can build it from my exact directions, with no tools but saw, hammer and auger. Send 10c for detailed plans and instructions for building. I. Putnam, Route 105, Elmira, N. Y.

GET READY For SUMMER



Hot weather weakens and makes hens lazy. It also retards growth of young birds unless you use
Pratts Poultry Regulator
This wonderful remedy purifies the blood, keeps the liver right and aids growth, digestion and egg production.
Pkgs. 25c, 50c, 60c, $1.00; 25 lb. pail $2.50
Pratts Powdered Lice Killer is the most powerful insecticide for poultry and plants—safest and most economical. 25c and 50c. Refuse substitutes; insist on Pratts.
Satisfaction Guaranteed or Money Back
5329 For Sale by Dealers Everywhere or
PRATT FOOD COMPANY
Philadelphia Chicago Toronto

CRYSCO GRIT (PETRIFIED SHELL)
99+% Pure Carbonate of Lime.
More eggs, harder shells, healthier hens, cost 1c per pound. Ask your dealer, look for trade-mark, write for booklet W. A. NEUBITZ & CO., St. Louis, Mo.

WONDER STRAIN
COLUMBIAN WYANDOTTES
MATING LIST FREE J. E. PERKINS,
513 Canton St., West Stoughton, Mass.

Illinois Red Farm
Six of the best pens of S. C. R. I. Reds for this year we ever had. All prize winners.
F. E. Gapen, Prop., Lostant, Illinois

Elosser's Black Langshans
Won at Baltimore, 1st cockerel and 1st pullet and special best bird in Asiatic class. Eggs for hatching. Write your wants.
PORTER ELOSSER, CUMBERLAND, MD.

LLENROC REDS
Stock and Eggs one-third off after May 15th.
JOHN E. HOUCK Black Creek, Ont.
HENRY W. ALT 87 Fuller St., Buffalo, N. Y.

BUFF ORPINGTONS
Eggs at half price during May. Send for mating list
J. S. and C. A. Barton, South Bend, Ind.

S. C. Buff Orpingtons
Eggs $5 and $10 for 15. Send for catalogue.
A. A. ANDERSON - - MACON, ILLS.

I can still spare a few hatchings from my splendid
COLUMBIAN WYANDOTTES
Famous Winter Layers. Eggs half price after May 15. Alfred W. Budd, N. Brookfield, Mass.



BUFF AND WHITE ORPINGTONS
SILVER CAMPINES
None better in type and quality. Eggs for hatching from superior matings. Send for catalog, price list, etc.—it's free. Eggs half price after May 15.
C. A. KEEFER, (AJ5) Muskegon, Mich.

NOW IS THE TIME—Don't wait until they are all gone—place your order today for Baby Chicks bred from winners.
S. C. WHITE ORPINGTONS
Eggs half price balance of season.
PARK POULTRY YARDS
Mrs. Reginald Stonestreet GLENDALE, NASHVILLE, TENN.

Don't Feed Wet Mash



Green Food, Sprouted Oats, Green Cut-Bone, Table Scraps, etc., without investigating the
Parker Universal Feeder
Greatest advance in feeding devices made in years. Sanitary, Economical, Efficient. Write for illustrated matter. Mf'd by
W. T. PARKER MFG. CO.
17 W. Washington St. SPRINGFIELD, OHIO

We doubt if the advantages of cutting up the green food really pay for the labor involved, usually the fowls will eat up clean all that is of real value as food when supplied with the green stuff as it comes from the field. Where fowls forage for green stuff on range a good deal is spoiled by trampling and soiling and the birds will not eat old growth as long as young and tender food is available.

Farming Out Growing Stock.

Q. (1) What would be a fair price to pay for fowls in the fall that were hatched and raised from eggs supplied by the breeder?

A. (1) From $1 to $1.50 each for your selection, depending on size and condition.

Q. (2) In farming out chicks in this fashion do breeders use any form of agreement to protect themselves?

A. (2) Don't farm out eggs for hatching and chicks unless you have confidence in the honesty of the farmer. Better have a written agreement. You agree to buy your selection from the flock on stated terms. The farmer agrees to give eggs and chicks the best of care, to sell you your selection at terms named, to sell to no one else the balance of flock except as killed and dressed market poultry, or to only keep such chickens to supply family eggs as you may further agree upon. Or you contract to take entire flock at a stated price and dispose of the culls yourself. State your wants to your legal adviser and have him draw up a simply worded agreement, but be sure that the terms of the contract are plainly worded and equally fair to both yourself and to the farmer who is to raise the chicks. You can't get him to do the work well unless you show him where he makes something out of growing chickens for you. You risk the eggs only, but he risks his time and labor as well as considerable cash paid for food for the youngsters.



Q. (3) Chickens sell for about 13 cents a pound in the fall and wheat costs about 70 cents a bushel. What proceedure should be followed when the farmer has a pen of fowls placed on the farm by the breeder instead of receiving eggs? H. P.

A. (3) You retain ownership of breeding birds and simply loan them. Agreement should so state and should require all good eggs to be incubated and balance to be used on farmer's table, or any good eggs he could not handle to be supplied to you at market prices. Fowls to be fed according to your requirements as set forth in agreement. As greater obligations now rest with the farmer you should agree upon a rather better price for the young stock you select than where you supply eggs for hatching. You could take all produce as before at a stated price or your selection at from $1.50 to $2.00 each. If your selection was small and confined to only a very few extra good ones, you should pay more for your choice of birds. Unless you share profits and give the farmer a chance to make a fair thing out of the job, he can't be expected to do good work for you. You are practically taking him into a partnership arrangement with you, and the better work he does for you, the more compensation he should receive and that can only be worked out on a profit sharing basis.

Can Turkeys Be Caponized?

Q. (1) Are turkey males ever caponized and if so at what age?

A. (1) There is no advantage to be gained in caponizing turkeys. They mature slowly and remain soft meated for a sufficiently long time without the operation. We don't know of anyone who has attempted the operation. Turkeys are rather difficult to rear and the loss from operations would be liable to be considerable. Few raisers would be willing to take the risk, as the turkey

CAMPINES
GOLDEN and SILVER
America's Champion Blue Ribbon Strain

At Madison Sq. Garden, N. Y., Boston and Baltimore, America's three Greatest Shows, **my birds won more First Prizes than all competitors** combined, winning **17 First Prizes** and **20 Specials,** also over **20 other Regular Prizes** completing an unparalleled record.

My pens are now mated and I am offering you eggs from these grand birds as follows; One special pen of each variety at $2 per egg, three pens of each variety at $1 per egg. All other matings fifty cents per egg. All clear eggs will be replaced once and absolute satisfaction guaranteed,

A few excellent Breeders for sale. **Write for Catalogue.**

E. F. DEAN **Box B** **Williamsport, Pa.**

ROSE'S ORPINGTONS


1st Buff Cock, Chicago


1st Buff Pullet, Mad. Sq. Gar.


1st Buff Ckrl., Mad. Sq. Gar.


1st Black Cock, Mad. Sq. Gar.


1st Black Hen, Madison Sq. Gar.


2nd Black Cockerel, Boston

BUFFS—BLACKS

STOCK AND EGGS AT HALF PRICE AFTER MAY 10th

Following my usual custom, after May 10th my regular prices for Buff and Black Orpington Hatching Eggs will be cut in two. This means that you, reader, can obtain eggs from Rose's Buff or Black Orpingtons for $5.00 per 15. This is just one-half what you would have paid for these very same eggs during March and April. You have never had a better opportunity to obtain eggs at so low a figure from matings containing so many winners at America's greatest shows.

May and June Chicks Win

If you were to take a census of the prize winners at the big New York and Boston Shows, it would prove that many, if not a big majority, of the birds that win the coveted awards are hatched during the months of May and June. These months are the natural hatching months. Not only do the eggs hatch better, but the chicks grow more rapidly and make the best birds for exhibition purposes.

The remarkable winnings made by **Rose's Buff and Black Orpingtons** at New York, Chicago, Boston, Baltimore, Pittsburgh, Toronto, Allentown, Syracuse, and other leading shows of the country should be ample proof of the high quality of my stock, and if necessary reassure you of the splendid position that I am in to furnish you with eggs from birds with the best blood lines in existence.

During the present season I have shipped Orpington eggs from ocean to ocean and from Canada to the Gulf. Eggs have never hatched better and reports from customers have been most satisfactory. Many have reported as high as 90 per cent fertility.

Now is the time! Don't delay; take advantage of the reduced prices and see for yourself the quality of my stock. All orders will be filled in rotation, so get yours in early. Order direct from this ad, if you want to save time. Depend upon it, I can and will please you.

Summer-Sale Price List

I want every reader of the A. P. J. to send for a copy of my Summer-Sale Price List. It tells more about my reduced prices for eggs and stock. I am offering bargains in pairs, trios and pens, at one-fourth to one-half less than the prices at which you can get them later on.

N. B.—If you have not had a copy of my large catalogue printed in colors, I will be glad to send you a copy on request.

HUGH A. ROSE, FONTHILL, ONTARIO

at suitable age for castration is at a rather critical period in its growth.

Q. (2) Could the same rules be followed as for caponizing chickens?

A. (2) Practically. As they mature slowly the birds would probably have to weigh four or five pounds each before you could operate successfully. The precise period for operating would have to be determined by the examination of several young males and noting the growth of the testicles. The time to castrate is when the testicles are just large enough to be easily seen and removed.

Q. (3) Does it change the growth and character of the fowl any?

Falfurrias, Tex. S. J. B.

A. (3) Cockerels are caponized because it renders them more docile, quiet, less inclined to quarrel and run off meat, also it results in meat staying soft and tender for a longer period. A young tom turkey is different. Young males can be herded together without much fighting, they grow best on liberal range, stay soft meated for a long time because of slow maturity, and we doubt if there would be sufficient benefit from caponizing young turkeys to warrant the additional risk of loss.

Skim Milk in Place of Beef Scrap.

Q. (1) Would you use beef scrap in the mash when you use hand-skimmed milk?

A. (1) If one has an abundance of skim milk it could be used in place of beef scrap. If supply of milk is limited would use both.

Q. (2) I use sprouted oats for green food. How long should they be when fed and how deep should the oats be in tray of sprouter?

Elmira. N. Y. J. R. C.

A. (2) Feed the oats when the sprouts are about a half inch or just under an inch long. We put the soaked oats about 1½ inches deep in tray, sometimes not over 1 inch.



S. C. WHITE ORPINGTON.
First prize Milwaukee cock, 1913; sired by imported cock, winning first prize at Springfield, Ill., State Show, 1912. Bred and owned by Mrs. John H. Harnly, Zion City, Ill.

Strong Fishy Smell in Eggs.

Q. My customers are complaining of now and then getting eggs that on being opened have a strong offensive fishy smell. I have one of the most sanitary henneries in this section and consider my feeding methods O. K. The only thing I can think of that would do it is that I may have been feeding too much of Conkey's forcing food mash or my inoculating some hens for roup with Oculum. How about this in your opinion?

A. If you have been feeding too much fish scrap in ration would expect to find more general complaint. Use of remedies does sometimes give offensive odor or taste to eggs, but would not expect it unless you have been dosing your fowls pretty liberally. The most probable cause of the eggs with fishy odor is that you have some old hen with vent gleet or disease of lower portion of oviduct and cloaca. Examine all the birds. When you turn up one that has vent gleet a strong offensive fishy odor will assail your nostrils and you have the one that produces the foul smelling eggs. Get rid of her.

Crown Bone Cutter

Cuts up scrap bones easily and quickly—no trouble. Feed your hens fresh cut green bone daily and get more eggs. Send for catalogue.

Best Made Lowest in Price

WILSON BROS., Box F25 Easton, Pa.

POULTRY FENCE

60 INCHES HIGH 25½c. A ROD

Has 4⅛ inch mesh and line wires are graduated from 1⅛ inches at the bottom to 4¼ inches at the top.

60 inch Poultry and Stock Fence, 31c.

Same style fence as in cut but is made from heavier wire and has six inch mesh. Write for free Catalog.

COILED SPRING FENCE CO.
Box 82 Winchester, Indiana.

WHITING'S WHITE DIARRHOEA REMEDY

Is Guaranteed To

Cure and Prevent White Diarrhoea, Chicken Cholera and Bowel Trouble

and to make your chicks

Grow Faster, Stronger, Larger

than any you have ever raised before.

All poultrymen, except those who use Whiting's White Diarrhoea Remedy, know they never raise more than half the chicks they hatch—White Diarrhoea kills them. We guarantee Whiting's White Diarrhoea Remedy will enable you to raise practically every normal chick you hatch.

One 50-cent bottle treats 150 chicks and saves the 50 per cent of them that you have been losing right straight along.

Why go to the expense and trouble of hatching chicks just to let them die because you won't use Whiting's White Diarrhoea Remedy? Get a bottle today. Biggest breeders depend upon it and will never again be without it. **50c and $1.00 a bottle.**

Whiting's ROUPENE cures Roup, Canker, Diphtheritic Roup, Sorehead, Limberneck, Colds and Pip, and leaves no bad after effects. No quarantine necessary. **50c and $1.00 per bottle.**

Whiting's Remedies are sold by dealers or mailed by us on receipt of price. New

BOOK FREE

on request. Write for it today.

WHITING'S POULTRY AND ANIMAL REMEDIES

O. K. Company
Dept. 39
157 Water Street
NEW YORK

Because Why?

Curiosity may have caused a few of our trial orders. But something else was responsible for seventy-five per cent of our last seasons customers re-orders and expressions of praise.

Peerless Poultry Protector

The Snow White Disinfectant Coating

Poultry houses covered inside and out for a fraction of a cent per square foot.

Weatherproof
Washable
Fireproof
Sanitary

A dry powder soluble in cold water. Easy to mix and apply.

Prices in less than ton lots

350 pound	Barrel	. .	$25.00
200 "	"	. .	15.00
100 "	Keg	. . .	9.00
25 "	Box	. . .	3.00

One pound covers about 30 square feet. Two coats.

Three dollars will bring enough to coat 750 sq. ft., two coats. Send order today.

Peerless Poultry Promoter

Port Richmond, N. Y.

Pacific Coast Department

Conducted by H. H. Collier, Tacoma, Washington.

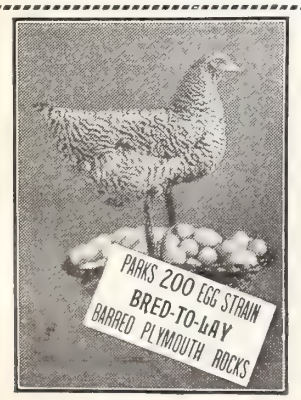
As Lyman C. Byce, president of the Petaluma Incubator Company, has refused the position as superintendent of the poultry department of the Panama-Pacific Exposition, at San Francisco, in 1915, the field is now open to several contenders. Charles G. Hinds, Oakland, Cal., is asking for the job. Mr. Hinds has for years successfully handled the Oakland poultry show. He has judged poultry for years, holding an American Poultry Association license. Mr. Hinds is wide awake when it comes to publicity and he has put Oakland on the map as one of the big shows of the Pacific Coast.

It is rumored that Ed. Schoel, Albany, Oregon, will be the commissioner of poultry from Oregon. Mr. Schoel was for years superintendent of the Oregon State Fair poultry show, and he has shown his fowls at nearly every fair held on the Pacific Coast circuit, which begins at Sacramento, Cal., and ends at Lewiston, Idaho. Over in Idaho I suppose that either Oscar Nelson or Miller Purvis will represent Idaho. Oscar is at present president of the Idaho branch of the American Poultry Association, while Miller Purvis is the retiring president.

British Columbia will take quite a prominent part in the big fair and it is expected that J. R. Terry, government poultryman at Victoria, will either be the man in charge of the British Columbia exhibit or he will name the man that has charge. W. M. Coats, Vancouver, will have quite a following for the position. Mr. Coats has judged poultry all over the Pacific Coast and stands well with the poultrymen. J. R. Terry is a very active man in poultry matters. He has made a big record for British Columbia when it comes to poultry. The province of British Columbia has been very liberal with the poultrymen and Mr. Terry seems to be giving general satisfaction. H. E. Upton is the active poultryman in the field for British Columbia and his lectures have done a lot to create a more general interest in poultry. Vancouver, B. C., was the market that reached the highest price for eggs last winter of any city in Canada and the United States. Eggs sold wholesale at 70 cents per dozen. British Columbia realizes the importance of the poultry industry, but that province, like the states of the Pacific Coast, has built her cities so much faster than her rural population that the surrounding country cannot begin to furnish the necessary poultry products for home consumption.

There are insect powders being placed on the market that are too strong for setting hens. These powders may be all right for hens that are running around, but when a hen is forced to stay in a small place setting on a setting of eggs, these powders should not be used. Not long ago I dusted my hens with an insect powder that was highly recommended—results, two hens out of eight quit the nest, and I found them with a bad case of bowel trouble. All hens were fed the same and there was nothing fed to them that could have caused the trouble. Not being satisfied that the lice killer had caused the trouble, I put two other hens on the same nest where the insect powder had been used and they also came down with loose bowels, and I was forced to get two other hens to take their place, but I put in new litter the next time and fresh sand in the bottom of the nest. The last two hens are all right. Some of the scientific poultrymen may disagree with me in this lice powder business and say that there was some other cause for the sick hens, but I will always believe that the smell of the lice powder did the work, and I would warn poultrymen against using any kind of powder for dusting hens unless they had seen it tried by others. I would like to have Dr. Woods' experience in such matters.

In the states of Oregon and Washington and the province of British Columbia we always have rainy Junes. It is to the readers of those localities that I want to address myself this month. The rains come in June, not in deluge like I have seen them back in the South and Middle West, but they come and we get a lot of cold, cloudy, chilly weather and, what is worse, the days get warm and the nights are cold. The June chick is our hardest chick to raise and there is a reason for it. Our first chicks come off and the youngsters take up our best coops, soil our clean yards, and then comes on the later birds. The early chick finds yards ideal for the reason that the winter rains have purified everything, lice have been well cleaned out and the conditions are ideal. The later chicks must roam over yards that have received the droppings of the early chicks and as a result the conditions are not so good as they were earlier. The early chicks mess up the coops and often they have been allowed to get lousy. At night in June the thermometer drops down, say, from eighty degrees in the middle of the day to fifty degrees at night. Results: colds, bowel trouble and a general weakening of the youngsters, which results in the saying out here that the early chicks always do the best. In the early spring the nights are cold, but the days are also much cooler than they are in June and the chick is not shocked by such a wide change in temperature. The thought I want to put forth is this: Be sure and have the conditions for the June chick, if anything, better than those of early spring. Do not run so many chicks to the hen. Clean up the coops and yards. Paint the coops with liquid lice killer and allow them to stand at least two days before putting old biddy and her young in them. Lice killers are strong and they affect the youngsters where the fumes are fresh. Be sure and see that the coops are well ventilated, yet be free from drafts. The coops that I have used are made with a lean-to room. The part with the roof is two feet long and three feet wide. The back of this coop is 12 inches and the front two feet. This gives a roof that will readily shed water. For a run I have twelve-inch boards made into a box (a part of the coop or housing place for chicks) three feet wide by four feet long. This is covered over with two-inch mesh chicken wire. On rainy days I keep the old hen and chicks in this enclosure and on sunshiny days I put a brick under the edge of the run which raises it high enough to allow



If its Eggs, as well as Fancy Feathers you want, you'll find them combined in America's Oldest and Greatest Laying Strain—

Parks Strain Bred-to-Lay Barred Ply. Rocks

The strain with over twenty-five years of careful selecting, pedigreeing and trapnesting for EGGS back of them; that are also bred close enough to the Standard requirements to win a good share of the Blue, as our 1914 winnings show.

EGGS SELECTED $5-15, $8-30, $11-50, $20-100. Half price after May 15.
SEL. UTILITY $2-13, $6-45, $12-100. One-third off after May 15.

It's not the month your chicks are hatched in that counts; it's the way they are developed. Our Treatise (sent free) Growing Big Healthy, Husky Youngsters tells how we make June hatch chicks mature almost as early as the average April hatch. **After May 15th** I will dispose of about half of my choicest breeders and at greatly reduced prices in order to make room for the young stock. This will be your chance to get Foundation Stock with but a small outlay of money. Don't write for prices on them by the hundreds as we will only have about 150 birds to spare. **EGG and CHICK Circulars Free.** Large 40-page catalogue, acknowledged to be the most complete treatise on the utility subject to date, A DIME.

J. W. PARKS BOX J ALTOONA, PENN., U. S. A.

the chicks to run at large, but I keep the old hen in. I find that the June rain is liable to come up at any minute, and if the old hen is allowed to run with her brood she is more than apt to be caught in one of the chilly showers that means a great mortality to the chicks.

These coops are so arranged that they can be put upon fresh ground as often as they get foul. There is no bottom in them; the earth is used for a floor. When the ground gets the least foul I move the coop, put in fresh sand where the mother hen makes her nest under the roof and spade the foul ground, turning under such droppings as might accumulate. By following the above directions, feeding good wholesome food, grain and plenty of green food with sour milk, I cannot say but what my June chicks have grown as well as the earlier birds.

Dr. Woods will certainly bring forth a lot of good ideas in his chick-growing contest. This contest will bring out ideas that have not been published and will be of untold good to the readers. I am going to take part in the contest, not to compete for the prize, but to simply see what I can do with a clutch of chicks. This bunch of chicks will be hatched on the 18th, when I will photograph them, as directed, and begin my feeding according to my best ideas on the subject, and what is more, I am going to use more meat in these chicks as an experiment than I ever fed them before. I saw somewhere not long ago where a Frenchman fed his chicks meat and they outgrew the grain fed birds all hollow. This little experiment I am going to tell the readers about, beginning with the next issue of the American. If there is anything in this meat feed proposition, it would not be a bad idea to demonstrate it to one's satisfaction. I know that milk fed chicks do better than those that do not get milk, and if meat fed chicks will beat the grain fed chicks, someone should demonstrate that fact. I thought that I would give these chicks a daily feed of meat. One day boiled meat, soaking their feed in the juice from the meat, the next day a little raw meat, giving commercial chick feed as a staple.

We have had a very good season here on Puget Sound, but the last week has been full of rain. I suppose the trouble is that we are trying to open the baseball season. Last week was ideal and we could have had a ball game every day in ideal weather, but this week we were forced to either go into the grandstand or use umbrellas on the bleachers, and any good baseball fan knows that in both instances such action would not suit an 18-karat fan.



William Barry Owen

In Memoriam

Death of William Barry Owen.

Just as we were going to press with the last form of this issue of American Poultry Journal, we received a telegram from Maurice F. Delano, Vineyard Haven, Mass., informing us that Mr. Owen passed away on Sunday, April 19.

Mr. Owen established the Owen Farms which has been so extensively advertised in the poultry press during the past several years. A little over a year ago at the time when the Owen Farms was recognized as the greatest standard-bred poultry establishment in existence, he was compelled to give up the active work connected with the management of these extensive farms as his health was rapidly failing him and he disposed of his interests to Maurice F. Delano, who had been with him since the establishment of the Owen Farms.

In the death of Mr. Owen standard-bred poultry loses one of its strongest supporters and the heartfelt sympathy of the entire poultry fraternity goes out to Mrs. Owen and the two children who survive him.

Entries in Chick Growing Contest.

American Poultry Journal offers $50 in ten cash prizes in a 1914 Chick Growing Contest. Annoûncement was made on page 653 of April issue and appears also in another column in this issue. You should look up the announcement and enter this great contest for the best interests of your favorite variety and yourself. Do it now. A postal card will do it.

Herewith are the names of poultry breeders who up to April 12th had written us stating that they desire to enter the 1914 Chick Growing Contest and compete for prizes. Your name should be in this list next month. Look up the rules and conditions and send in your entry. Entries have been made by:

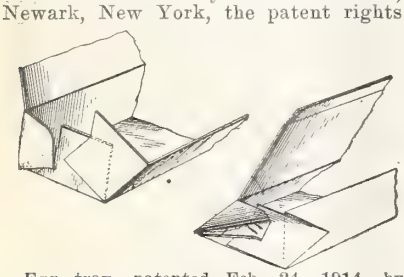
Richard Van Dyke, Holland, Mich.
S. P. Henderson, Johnson City, Ill.
Mrs. H. B. Leslie, Whiting, Vt.
Reginald Requa, Cold Spring Harbor, N. Y.
L. C. Butler, Herman, Minn.
August C. Belmke, Weyanwega, Wis.
Kenneth B. Harris, Pittsburg, Pa.
Mrs. M. E. Gifford, Sherman, N. Y.
Charles W. Wigglesworth, Davenport, Iowa.
E. E. Merrill, Detroit, Mich.
Mrs. Effie Hill, Achilles, Kans.
Arthur S. Parr, Belvidere, N. J.
James H. Taylor, Henderson, Ky.
Marion C. Lilly, Richmond, Ky.
G. DeVries, Leghorn Egg Farms Co., Zeeland, Mich.
Paul Johnson, Stoughton, Wis.
Geo. B. DeJarnett, Richmond, Ky.
Mrs. Frank H. Miller, Earlville, Ill.
Elmer Reisinger, Norwood, Mass.
Charles J. O'Connor, Green Bay, Wis.
L. W. Petersen, Wabeno, Wis.
L. E. Castle, Wichita, Kans.
W. F. Haag, Larned, Kans.
H. E. Moore, Jamaica, N. Y.
Charles Bauer, Hempstead, N. Y.
H. N. Slack, Chesaning, Mich.
Charles R. Carter, Bedford, Ind.
Mrs. J. B. Grant, Hermansville, Mich.
Wm. C. Frankinburger, Jr., LaPorte, Ind.

Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.



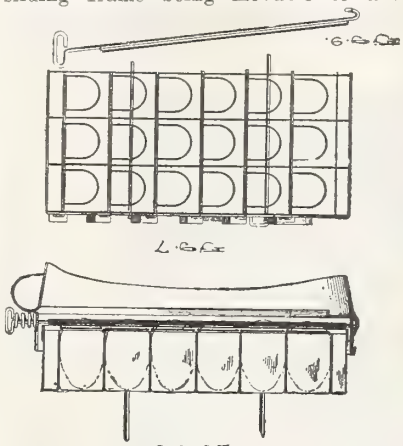
An egg-tray, of the collapsible box type, formed in an improved manner has been invented by John S. Hedden, Newark, New York, the patent rights



Egg tray, patented Feb. 24, 1914, by John S. Hedden, Newark, N. Y. Rights sold to Bloomer Bros., of same address. No. 1,088,570.

having been disposed of to Bloomer Bros. Co., of the same city in the empire state. It is made from a single blank, as indicated in the accompanying illustration. Patent 1,088,570.

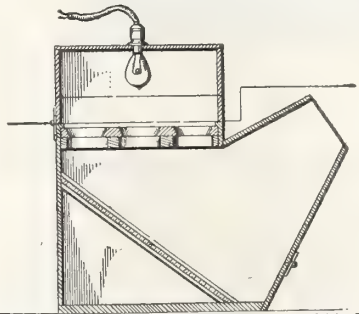
An Egg-Tray has also recently been patented by this inventor—Elbert R. Winslow. It may be advantageously used with his Egg-Tester, for handling eggs to be candled. Its novelty resides in a sliding frame adapted to coact with egg retaining means, the sliding frame being movable to and



Egg tray, patented Feb. 24, 1914, by Elbert R. Winslow, Kearney, Nebr. No. 1,088,504.

fro for allowing the eggs to be removed from the tray when so desired.

An egg-tester having a novel construction is the joint invention of Oscar J. Kogel and William T. Simmons, of Louisville, Ky. With it a large quantity of eggs may be accurately examined within a comparatively short period. The apparatus may be used with either natural or artificial light. The several eggs under examination may be simultaneously turned or changed in this candler, to the end of examining them from various angles. A casing is constructed to admit light—electric light or sunlight. It has a horizontally-disposed grate. This grate has guideways. A tray is fitted within the guideways and slidably mounted on the

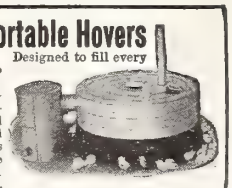


Egg tester, patented March 24, 1914, by Oscar J. Kogel and William T. Simmons, Louisville, Ky. No. 1,091,353.

grate. The eggs are placed on the tray for inspection above the grate openings. A diagonally-disposed reflector or mirror is mounted in the casing beneath the grate. An inspection aperture is provided in the casing disposed in front of the mirror or rather, opposite to it, so that all the eggs in the tray may be seen in the reflector at a glance.

Prairie State Portable Hovers

Made of galvanized steel. Designed to fill every requirement of those who brood flocks of 50 to 100. Fire-proof--Positive ventilation--Automatic regulator. Burns one pint of oil in 24 hrs. Each $8.50. Full information of all kinds of brooders free. Prairie State Incubator Co., 201 Main St., Homer City, Pa.



Use Dustyne

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It Will Free Your Poultry and Poultry House of Vermin

100-lb. sack $2.00. Freight prepaid east of the Rockies.

Poultry Dust Bath Comp'y
(Inc.)
WHITING, INDIANA

Does It Ever Occur To You
that the success of poultry raising depends entirely upon the MEAT SCRAPS you use?

Maurer's Quality Meat Scraps

are pure and sweet and carry the recommendation of the foremost breeders. A postal brings you a valuable booklet. Sold direct and in any quantity. Also sold by Parcel Post.

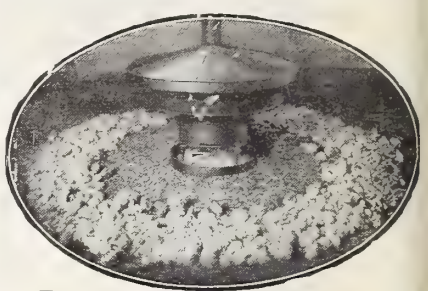
MARTIN R. MAURER
BOX A-112 ELIZABETH, N. J.

Grow Your Own Vegetables
Cut down your living expenses. You'll be astonished how healthful it is to cultivate a garden and how easy if you use



Planet Jr Garden Tools

This implement has one pair plows, one pair hoes, four cultivator teeth, and a pair of leaf lifters. The attachments sold with this No. 12 are what gardeners use most, and others can be added as wanted. FREE—an instructive 72-page illustrated catalogue. Send postal for it today. S. L. ALLEN & CO., Box 1107T, Philadelphia



SIMPLEX

What does Simplex mean to the thousands of users? Read one of the hundreds of testimonials.

Katonah, N. Y., Feb. 27, 1914.
Simplex Brooder Stove Co.,
Gentlemen:—
The heating efficiency of the Simplex Brooder is certainly beyond expectations, and the manner in which the regulator controls and holds the desired temperature is wonderful. In the past we have tried many brooders, but have found them all lacking when it came to heating and holding a desired temperature, but now we feel we have found the long sought in the Simplex Brooder Stove.
Woodland Poultry Farm,
P. W. Schmidt.

A second order for the Simplex Brooder was received from Mr. Schmidt March 30.

Send for Catalog and Booklet.

SIMPLEX BROODER STOVE CO.
220 Fourth Street Grand Rapids, Mich.

Bargain Prices
For High Quality Pedigreed Laying Stock for May and June Delivery

After May 1st, I have to offer 4000 Rose Comb White Leghorn day-old chicks at $9.00 per hundred, original price $12.50. Lots of 100 or over $8.00 per hundred.

Rose Comb White Leghorn hatching eggs from our best bred-to-lay matings, $4.00 per hundred, previous price $6.00. $3.50 per 100 in lots of 200 or more. $30.00 per 1000.

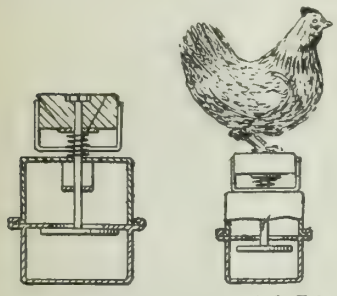
Reduced prices on all hatching eggs from imported Tom Barron pens.

Heavy laying Rose Comb White Leghorn pullets and yearlings, $1.00 each, 75 cents on orders of 30 or more.

Write for free illustrated catalogue, containing reduced prices on everything for May and June delivery.

FUNK EGG FARM
Lyle W. Funk, Proprietor
BOX 38 BLOOMINGTON, ILL.

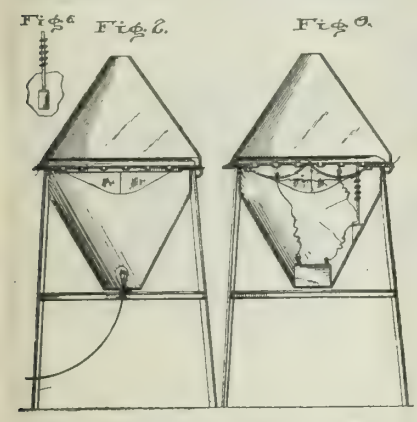
A chicken-roost invented by Frederick Schardt, Arapahoe, Neb., is likewise designed to destroy vermin through the use of a chemical contained within a reservoir fixed below the perch. The roost or perch bar in this device is supported by springs that normally retain it in elevated position, thus holding disk valves over openings in the parasiticide-containing reservoir, the disk valves being rigidly



Vermin killing roost, patented Feb. 17, 1914, by Frederick Schardt, Arapahoe, Nebr. No. 1,087,833.

fastended by stems to the perch. The result is that the lice killing fumes are permitted to escape as soon as fowls roost on the perch, but as soon as their weight is removed the openings to the reservoir are closed so that fumes cannot escape. Patent 1,087,833.

Elbert R. Winslow, Kearney, Neb., an improved Egg-Tester or candling device in which electric lamps are used, and which is provided with a simple circuit closing means so that when the eggs are placed within the tester the weight will close the circuit



Egg tester, patented Feb. 24, 1914, by Elbert R. Winslow, Kearney, Nebr. No. 1,088,505.

and light the lamps for the candling of the eggs. A light reflecting dome, and a light reflecting plate carried by the upper portion of the dome are features of the device. Patent 1,088,505.

Read page 774--its great

On page 774 is the big announcement

"O. K." Poultry Litter
TRADE MARK

Cheaper to use and better than Straw, Clover, Alfalfa, Sawdust, Shavings, etc.

"O. K." KEEPS THE BROODER CLEAN DRY SWEET

One lot of "O. K." Litter lasts until the chicks have outgrown the brooder without once cleaning out. In COOPS, LAYING HOUSES, COLONY HOUSES and SCRATCHING PENS, "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once in three or four months. "O. K." Litter will NOT BURN. Lice will not come where it is used. Tell us how large your house is—we will tell you how much "O. K." Litter you need. Write today for FREE SAMPLE OF "O. K." and NEW POULTRY BOOK.



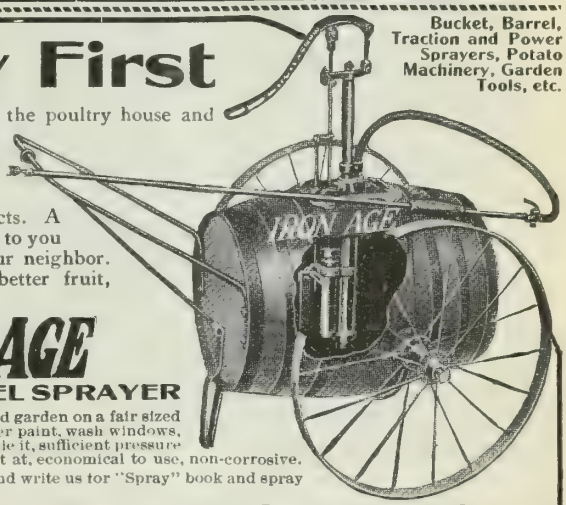
O. K. CO. DEPT. 183 157 WATER ST. NEW YORK

"O. K." Trade Mark is on every bale of genuine.

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Whitewash and disinfect the poultry house and other buildings—then lice won't bother you. Spray your trees and bushes—scale will disappear and you can control disease and insects. A scale infested tree is no good to you and very destructive to your neighbor. Cure it now and make better fruit, enough to pay.



IRON AGE
20-gallon BARREL SPRAYER

Will care for trees, bushes and garden on a fair sized place, apply whitewash, cold water paint, wash windows, wagons, etc. One man can handle it, sufficient pressure for effective spraying readily got at, economical to use, non-corrosive.

Ask your dealer to show it, and write us for "Spray" book and spray information.

BATEMAN MFG. CO., Box 119, GRENLOCH, N. J.



ATSATT Is The MAN Who PUTS PROFIT into Poultry Raising IF YOU WANT IT, READ THIS NOW

After the practical poultry owner has cooked hundreds of chicks in the shell, and got tired of low hatches because of faulty, smoky, bound-to-run-up lamps, he pitches them all out and uses nothing but the

"Zero" Safety Incubator and Brooder Lamp

IT'S SAFE, because the oil cannot get heated; Clean because it never smokes; Reliable because it cannot run up and the temperature must remain uniform. Notice the double jacket. All metal. Fits any incubator or brooder. At dealers, $1.00, or mailed on receipt of 15c extra.

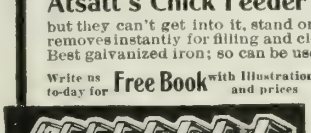
Atsatt's Sanitary Chick Fountain can't wet or drown chicks. Easily cleansed and filled, holds a quart and fits any brooder. Heavy galvanized iron. 25c at stores, or mailed for 8c extra.

Atsatt's Chick Feeder absolutely stops waste. Lots of room for chicks to get their food, but they can't get into it, stand on top of it, or scratch food out. Top removes instantly for filling and cleansing and springs back into place. Best galvanized iron; so can be used for wet or dry feed or water. 10x4 inches—just right size for brooder. 25c at dealers; mailed on receipt of 8c extra.



Write us to-day for Free Book with Illustrations and prices

Some breeders make more money than others because they've had the foresight to see that it pays to have Feed Saving, Time Saving and Money-Saving Equipment such as Atsatt Makes.

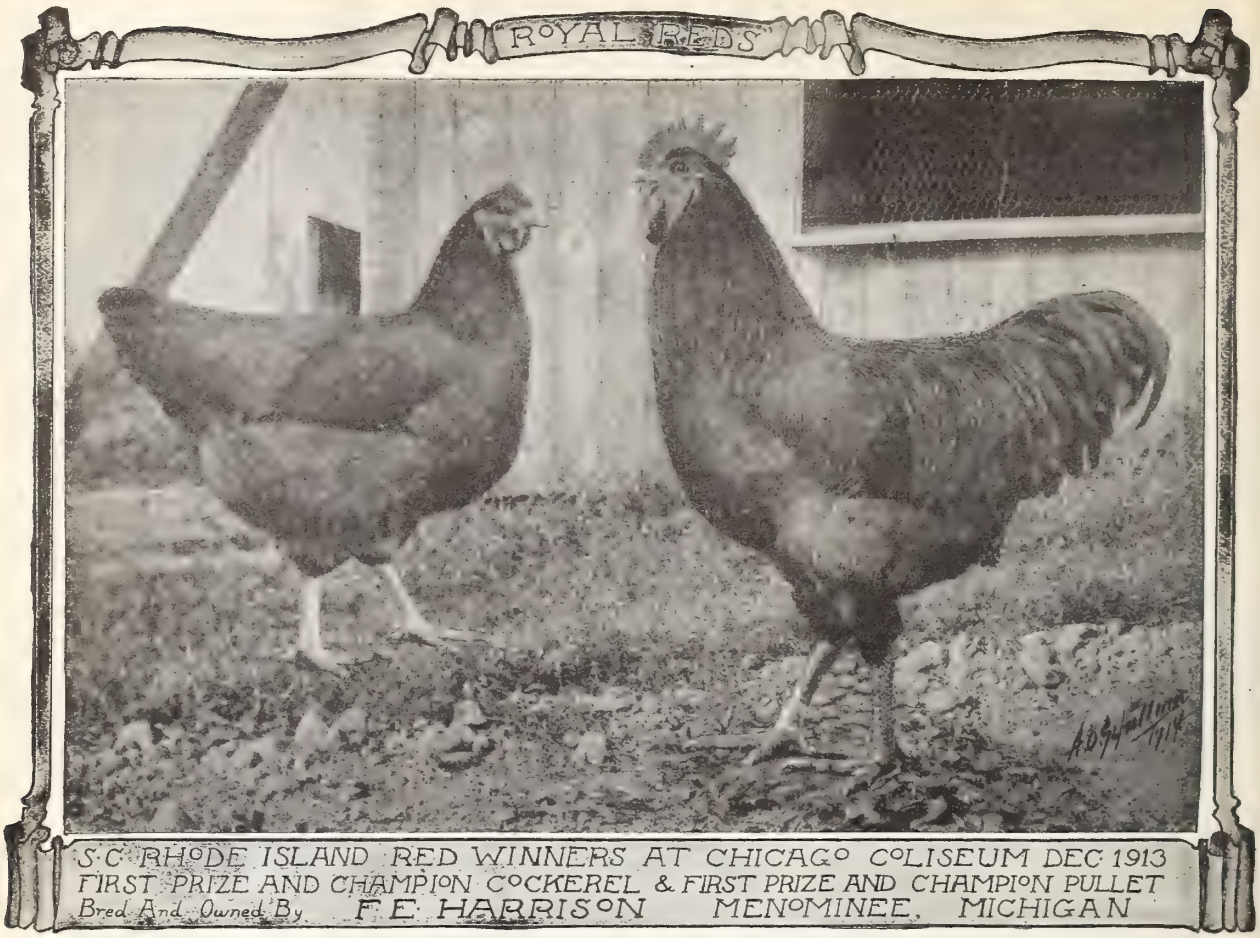


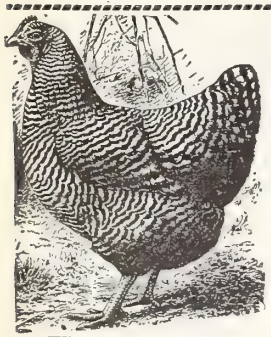
ATSATT BROS., 27 Pearl St., Mattapoisett, Mass.

One lamp, fountain and feeder mailed to one address at one time $1.70, so that you can see how fine they look.

PARSONS POULTRY PLANT SPRING SALE
S C W ORPINGTONS R C RHODE ISLAND REDS
Half Price on Stock and Eggs
R F D No 1 BOX 41 AVON LAKE O

GET READY FOR THE GREATER BUFFALO SHOW THANKSGIVING WEEK 1914 PREMIUMS PAID IN GOLD





EGGS FOR HATCHING

FROM THE OLD RELIABLE

C. C. SHOEMAKER POULTRY FARM



Will put you on the map for 1914. Eggs from Shoemaker Farm annually produce many winners for leading Poultry Shows and Fairs and, as you will note below, our prices are very reasonable. The Shoemaker Farm has been in business right here for a quarter of a century, and during that time has built up a reputation for reliability, second to none. Below will be found a complete list of our varieties with best prices on eggs, and you can **ORDER WITH PERFECT CONFIDENCE RIGHT FROM THIS ADVERTISEMENT, INSURING EARLIER SHIPMENT AND WITHOUT WASTE OF TIME IN CORRESPONDENCE.**

NAME OF VARIETY	Per 13	Per 26	Per 39
Light Brahmas	$2.50	$4.50	$ 6.00
Dark Brahmas	3.00	....	....
Buff Cochins	3.00	....	....
Partridge Cochins	2.50	4.50	6.00
S. C. R. I. Reds	2.50	4.50	6.00
R. C. R. I. Reds	2.75	5.00	7.00
Black Langshans	2.00	3.50	5.00
Buff Langshans	4.00	7.00	10.00
Buff Orpingtons	2.50	4.50	6.00
White Orpingtons	3.50	6.50	9.25
Barred Plymouth Rocks	2.00	3.50	5.00
Buff Plymouth Rocks	2.00	3.50	5.00
White Plymouth Rocks	2.00	3.50	5.00
Pea C. W. P. Rocks	2.50	4.50	6.00
Black Javas	2.75	5.00	7.00
Cornish Indian Games	2.75	5.00	7.00
Black Sumatra Games	4.00	....	....
Black B. Red Games	2.50	4.50	6.00
Brown Red Games	4.00	....	....
Pit Games	5.00	....	....
Red Pyle Games	5.00	....	....
Silver Laced Wyandottes	2.00	3.50	5.00
Golden Laced Wyandottes	2.50	4.50	6.00
Black Wyandottes	3.00	5.50	8.00
White Wyandottes	2.00	3.50	5.00
Buff Wyandottes	2.50	4.50	6.00

NAME OF VARIETY	Per 13	Per 26	Per 39
Partridge Wyandottes	2.50	4.50	6.00
Columbian Wyandottes	$2.50	$4.50	$6.00
Red Caps	2.75	5.00	7.00
Blue Andalusians	2.75	5.00	7.00
White Faced Black Spanish	2.75	5.00	7.00
Houdans	2.50	4.50	6.00
Black Minorcas	2.00	3.50	5.00
R. C. Black Minorcas	2.50	4.50	6.00
White Minorcas	2.50	4.50	6.00
S. C. B. Leghorns	2.00	3.50	5.00
S. C. W. Leghorns	2.00	3.50	5.00
R. C. B. Leghorns	2.00	3.50	5.00
R. C. W. Leghorns	2.00	3.50	5.00
Buff Leghorns	2.00	3.50	5.00
Silver Spangled Hamburgs	2.50	4.50	6.00
White Crested Black Polish	3.00	....	....
Buff Cochin Bantams	2.50	4.50	6.00
Golden Seabright Bantams	2.50	4.50	6.00
Mottled Anconas	2.50	4.50	6.00
	Per 9	Per 18	Per 27
Mammoth Bronze Turkeys	$5.00	$9.00	$13.00
	Per 11	Per 22	Per 33
Imperial Pekin Ducks	$2.00	$3.50	$5.00
Rouen Ducks	2.00	3.50	5.00
Indian Runner Ducks	2.50	4.50	6.00

ALSO MANUFACTURERS OF THE CELEBRATED GLOBE INCUBATOR AND BROODERS. SEND FOR OUR MAMMOTH 1914 POULTRY BOOK, ALMANAC AND CATALOGUE, PRICE POSTPAID, 15c.

Remember this is not only a catalogue and almanac but a poultry book of 224 pages and splendid colored cover and is an ornament and a valuable addition to any poultry man's library. It contains complete information and prices in regard to incubators, brooders, poultry and eggs, and is splendidly illustrated, containing many colored plates of the leading varieties in their natural colors. **SEND IN YOUR EGG ORDER DIRECT FROM THIS ADVERTISEMENT, AND ORDER CATALOGUE AT THE SAME TIME. DO IT NOW.**

C. C. SHOEMAKER **Box 605** **FREEPORT, ILLINOIS**

Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



Concerning Heat.

IT is worth noticing that settlers along the Gulf Coast who come here from the North and West remark, with emphasis, that they have never before seen poultry "do so well." The secret of the great egg production may be partly the absence of yards in many cases, and the consequent opportunity for the birds to procure animal food, but a more potent factor is the heat.

Nature, in the vegetable as well as in the animal world, always tries to defend a race from extinction when injurious influences begin to appear, by striving toward increasing prolificness. This principle or law has been often mentioned.

The familiar fact is that cotton, if it is crowded so closely as to be somewhat stunted and dwarfed, blossoms earlier and its blossoms are more numerous in consequence, though smaller. That the glare and heat of a semi-tropical sun is injurious to fowls to a certain extent is proved by the eagerness with which they seek shade even when quite hungry, and when a very tempting range is close by. In the morning they scatter about and forage lively, but at eight or nine o'clock they seek a shady spot, and there they stay until four or half past. It is noticeable that often, from this habit once formed, or the remembrance of past suffering, they stay under cover when with an equal degree of heat, fowls at the North would range all day long.

When saying that intense heat is to a certain extent injurious to fowls, I mean by this the importance of providing for them thick, dense shade in some form, and plenty of it. Many settlers rely on mesquite trees, and in clearing their land leave some for that purpose. Could the fowls speak they would say with Job: "Miserable comforters are ye all," for mesquite shade is not dense enough. With suitable shade by day, and an open roost at night, a high state of health of poultry can be maintained.

It may seem paradoxical that the best place in the United States to keep poultry is where they suffer most from the heat, when not properly protected, but the fact is that heat is very important. It is the keynote to success everywhere, North and South. The home of the wild originals of our domestic poultry is in a temperate rather than in a hot climate and winter not being a favorable time for young chicks, nature decreed the postponement of laying and sitting till the approach of warm weather.

I once heard a man say that in the northern states hens commonly begin laying just as the grass starts, and he reasoned that eating fresh grass set the productive organs at work. Rather, heat is the common cause which starts laying, whether or no there is fresh grass available, just as truly as it starts the grass whether or no there are any fowls to eat it. This assertion, however, does not deny that fresh, tender grass is a most excellent thing for poultry.

It is as natural for hens to just everlastingly hold up and refuse to lay in winter in the northern states as it is for water to run down hill, because all wild birds the world over must either lay and rear a brood when they are about six months old, before cold begins, or defer laying till after the cold is over.

Suppose in a state of nature, birds should lay and hatch when seven or eight months' old. What then? Why, of course, their young, if not brooded all the time, would freeze to death and if they were brooded all the time they would starve to death. It is as natural for song birds, predatory birds, ground birds, waterfowl, and all sorts of birds, to begin to lay when they are about a year old and when the grass starts, as it is for them to refrain from laying before that time. The appearance of new grass means that there has been heat. Nature says to the birds, "The rigor of the winter is now pretty much over, the fresh herbage is for your food, to which is added the insects that live on vegetation and you can fill up quickly when you leave your incubating job for a little while and by the time your younglings are out there will

Clearance Sale of White Runners

Will have to dispose of my breeders to make room for young stock. Drakes from my breeding yards $2.00 to $5.00 each, as to quality. Ducks, $5.00 each. Won four blues on five entries at Philadelphia, Pa. Eggs half price, $2.50 per 12; $18.00 per 100. Ducklings, $35.00 per 100. Satisfaction or money refunded. Mention American Poultry Journal.

E. G. CURTIS ATSION, NEW JERSEY

SANDY LICK POULTRY FARM

ORPINGTONS
Buff and Black
WYANDOTTES
White, Silver and Golden Laced
LEGHORNS
S. C. White—Young's Strain
Our birds have won their places in the large shows

Price of Eggs per Setting of 15	
Buff and Black Orpingtons	$2.00, $4.00, $6.00
White Wyandottes	$1.00, $2.00, $3.00
Silver and Golden Laced Wyandottes	$3.00
White Leghorns	$1.00, $6.00 per 100
Five Special Show Pens Mated	$2.00, $4.00, $6.00
Day-Old Chicks from two large pens	$10 per 100

Send for Mating List.
SANDY LICK POULTRY FARM
966 Liberty Ave. Pittsburgh, Pa.
L. O. KETTERING, Prop. J. W. McGINNES, Mgr.

S. C. Wh. Leghorn Baby Chicks

We Have No Other Breed

By concentrating all our efforts in improving the qualities of our breed of fowls, we are in a position to offer you chicks from breeders possessing unsurpassed utility combined with exhibition qualities ,and at prices asked by others for the ordinary strain. Our advance during the past season in perfecting the OLD RELIABLE SPRING WATER STRAIN has been marvelous.

We have among our breeders both male and female birds that have won first prize as singles and pens at some of the leading Eastern Shows.

We guarantee chicks hatched from eggs laid by our breeders only and their safe delivery to you.

Join our army of satisfied customers. You must be satisfied before we consider a transaction closed.

Order early, thereby assisting delivery on desired dates.

Eggs for Hatching. 90% fertility guaranteed.

We also offer choice breeding cockerels at tempting prices. Mammoth Incubators. Capacity 20,000 Eggs at one sitting. Write for free illustrated booklet.

SPRING WATER POULTRY FARM
Frank J. Eppele, Prop. Stockton, New Jersey

be lots of food for them. You can go ahead laying anytime now for the forage to make eggs of is increasing fast.''

When the spring comes and the hens begin to lay, it should not, therefore, be hastily inferred that this is because cold is over, for if they are Asiastics or Americans it may be because it is deeply seated in their nature to be of an age approaching one year before laying, for during the long period of their wild state, if laying and hatching began too early, the chicks would be without the green stuff and insects that appear only with warm weather. Everything points to a temperate region with cold winters as the ancestral home of Gallus Bankiva for a long period. This is the reason no doubt why in summer pullets of a particular breed and strain will sometimes start laying at seven or eight months, while in winter others of same breed, strain, size, degree of health, and thrift, and fed in same way, will stubbornly refuse to lay until they are nine or ten months old.

* * *

The Best.

The question which is the best breed or variety of fowls will be settled just when another interesting question is solved or perhaps, we might say, two interesting questions. ''I've got the best wife in the world,'' writes an enthusiastic young benedict to his bachelor friend, or it may be his married friend, and no doubt he firmly believes it all. Later on he confidentially informs the same friend that we are blessed with just the sweetest, dearest, darlingest baby that ever woke the echoes of night.

It may not be very easy to designate just how or why the wives or babies surpass all others, but it is about as easy to decide what fowls are the ''best,'' and why they are so.

All the good points of the various breeds of fowls are worthy the esteem bestowed upon them and it is a strong argument for the culture of thoroughbred poultry that every man can find his ideal in some of the various families. Beauty, utility, courage, docility, all have their exponents, while for the man that doesn't care there remains the mongrel barnyard fowl.

A counterpart of the situation is found in the canine races. The preferences of people for one type or another of this good friend of man have resulted in the development of the big breeds and little breeds. Where no particular breed is cared for, there remains as paralleled in common fowls, just dog—plain dog. Only one other species of domestic animals has been bred into such diversity as fowls and dogs, and that is pigeons, the different types of which are a world wonder. Horses, cattle, sheep and swine have, of course, been wrought into great diversity, but not to the extent of poultry, pigeons and dogs.

* * *

Like a Watch.

Successful poultry keeping is just like a watch, of which every part must be right in order to enable the whole to run right, and one part wrong makes all the rest useless. Illustrating this, I have a case in mind where the foundation principle that all poultry, young and old, need three things every day, to wit: grain, fresh vegetable food and animal food, was ignored by people intelligent enough in other matters but accustomed to seeing poultry look out for themselves. These folks had moved to town, where they kept their poultry, young and old, in roomy yards. Fed grain in different forms, and nothing else. Gave their table leavings to a pig, which kept thrifty—but not so the birds, for the yards soon became as bare of vegetation as a billiard table. They were not actually sick! oh, no, but they didn't look right. Eggs paid but a trifle more than grain cost. Chicks never looked quite right, though a hasty observer would not notice it. Though hen hatched they somewhat resembled the poorly hatched incubator chick, ''born to die,'' a goodly number of which may be found all over the country under average amateur incubator management. Other than the feed part, management was fairly good. This family had a garden where just over the poultry yard fence, cabbage, beets and other green stuff were in plenty and growing luxuriantly, yet not a bit was fed to birds, either young or old.

Another family was fortunate in regard to both vegetable forage and insects for their laying birds which had the range of some vacant lots. They were thrifty and their eggs hatched

S. C. White Leghorns

From our great LAYING BRED stock. Baby Chicks, 12c; $11.00 per 100. Hatching Eggs (hens) settings, $1.25; $5.50 per 100. Special exhibition and utility matings. Cockerels and pens shipped immediately. Our reputation is behind all of this stock. Mention American Poultry Journal.

JOSEPH STENZ & SON **Fond du Lac, Wis.**

Golden Gensemer Bros.' Campines Silver

Have Been Winners at The World's Greatest Shows

All of our pens are headed by prize winners. For balance of season we will offer you eggs from the best blood lines in the World at half price. Stock for sale. Mention A. P. J.

GENSEMER BROS., 161 Main St., Creston, Ohio

Chicago, 1913—WINNERS—1914, Detroit

ROSE COMB RHODE ISLAND REDS

	Chicago	Detroit
Cock,	1	1
Hens,	1-3	2-3
Old Pen,	1	1
Yng. Pen,	3	2
Cockerel,		1-2
Pullet,	5	1-2-4-5

We also won more specials at these shows than all competitors combined. W. L. McMillen, who breeds our strain in its purity, won 1st pullet, 2nd hen and 3rd cock at Chicago. LONGFIELD REDS WILL WIN FOR YOU. Write for free illustrated mating list. **Eggs half price after May 20.**

Longfield Poultry Farm, Box 321, Bluffton, Indiana

Demgar's S. C. White Orpingtons

Eggs half price now, $1.25 and $2.50 per setting of 15, beginning first of May. We will also sell some of our breeders at $2.50 and $5.00. Please mention American Poultry Journal.

Mr. and Mrs. P. A. Demgar, Box A, Brown Station, N. Y.

Fell's Famous Wh. Wyandottes

CHAMPIONS AT MADISON SQUARE GARDEN

Winners of 12 First Prizes in four showings. The best in utility and fancy. Cat. free. Eggs half price after May 10

A. J. FELL Box 2 WEST POINT, PA.

ORDER EGGS FOR HATCHING NOW!

"Premier" PARTRIDGE WYANDOTTES

Best for Utility and Beauty

May will prove one of the most successful hatching months of 1914, owing to the cold wet season just past, so order baby chicks or eggs for hatching at once. **We replace every infertile egg.** "Premier" Partridge Wyandottes are the great utility and beauty breed and winners of more first prizes than any other strain of this variety in the world. Let us send you our catalog and mating list. Free poultry house plans for our customers.

SHEFFIELD FARM H. B. Hark, Mgr. Poultry Dept. **GLENDALE, OHIO**

well and yielded strong chicks. Many broods were raised by hen mothers, in coops set closely "side by each" in a long row, the chicks running at large. The early broods had plenty of insects and throve well. After a while the earliest were larger than quails and there were hundreds of various sizes down to those just hatched. All had access to as much shade as they chose to use, the coops being all under wide-spreading trees. By and by, the youngest broods did not thrive well. Their feathers were rough, their wings not well tucked up, and some of the birds were just a little bit "weak and wobbly." Owner said "Never could make summer hatched chicks do well." Observing the ample range, "miteless" roosts, blooming plumage and brilliant combs of the layers, and especially the vigorous appearance of the cock of the walk, I said, "Suppose you put the coop for the hen and brood that you say are due to come off tomorrow, way down yonder under the tree at the end of the lane. It will be some bother, I know, but the experiment is worth trying. The place right around here is overstocked. The big chicks range far and wide. The size next smaller range the middle distance, and take every bug and grasshopper there, while chicks of every size down to the five days old, between them gobble the most minute insects and larvæ close by the cooks. Try a brood down yonder, where, even if the laying flock take some of the large insects, there are swarms of very small ones and larvæ of ants and such like. If the brood are well hatched, with long, fuzzy-wuzzy down, instead of short, which means something wrong, and are strong on their legs, they will continue as vigorous as your oldest broods.

* * *

The Fascination of It.

The pastime of breeding for exhibition is fascinating for the very reason, among others, that fine specimens are rare and much skill is necessary to produce them. Although like produces like, it also produces unlike, and could we establish a race that would always breed true, the excitement of the fancier would be at an end. If perfection in fowls was a thing of every day occurrence, a man possessed of money, but totally ignorant of the laws of heredity, could successfully compete with the experienced and persevering breeder. All our various breeds of fowls have been brought to their present state, as regards feathering and other conventional points by artificial selection, and in order to hold the ground thus gained the same means have to be resorted to that placed them there. When left to breed among themselves indiscriminately, the small specimens and the large ones, the indifferent and the superior, all necessarily fall from their high position with rapidity as regards fancy points and the work of many years is undone in a few. The descent is easy, to ascend is the task.

The fancier is never contented. If he should be, it would be the "death of the fancy." If the Standard requirements were easy—and this point is always brought up by somebody whenever there is a revision of the book—Tom, Dick and Harry could breed up to them, and this would be the close of the sport, the paralysis of endeavor, the end of high prices which are necessary to pay the piper and the sounding of the death knell of interest in exhibitions. The Standard of Perfection is a musical instrument which must be keyed up to a high tension or there will be no more good music.

* * *

The Market.

A correspondent writes that since I have "belabored the poor unskilled sons of toil," to use his words, as incompetent to get first-class eggs onto the market, I ought to "tell what the way out is."

His point is well taken. The writer who is always destructive in criticism but never constructive is no good. The fault I find with a few (thank Heaven that they are so few!) writers who insist that food eggs cannot be profitably produced as a regular business but must be left to the general farmers, is that while continually harping on the imperfections and repeated failures of commercial egg farms, they go on year after year without vouchsafing a solitary suggestion helpful to the poor experimenters who lose their time and money traveling a road which has proved difficult for more than thirty years. Helpful advice? Not any. They prefer to jeer and gibe and say, "I told you so."

Now here is one thing that can be readily enough done by a great many farmers, but not all. It is especially within reach of the farmer's wife who drives a steady team that stands well. We will suppose that both husband and wife go to town regularly, as both

My Columbian Wyandottes
Have always been sure winners.
Geo. A. KERSTEN, Washburn Park, Minneapolis, Minn.

The Raven's Rose Comb Reds
Have won at the world's greatest shows, including Cleveland, Buffalo, Youngstown. Also in customer's hands at Hagerstown, Oklahoma State Fair. Order your eggs from my descriptive mating list, free for asking.
M. C. DeLOOF - Box 171 - WILLOUGHBY, O.

Pinehurst Silver and Golden Campines
Cleveland Winners. Settings $3.00 and $5.00
PINEHURST FARM, G. M. Smith, Prop., OBERLIN, OHIO

Lyman's S. C. White Orpingtons
The kind that lay, pay and win in the show room. All clear eggs replaced free. Write for Mating List.
A. F. LYMAN - - - - - - - BREMEN, OHIO

Swastika Strain S. C. White Leghorns
Ill. State Fair, Aurora and DeKalb Prize Winners. My flock averaged 173 eggs per hen last yr. Mating list and catalog free. Stock and Eggs.
SWASTIKA POULTRY YARDS, O. E. Faxon, Prop., Drawer H-1, Plano, Ill.

Blue Orpingtons
Lehne's Blues won all firsts Ohio State Show, Columbus, Ohio. Great color, size and type. Eggs $5 per 15. Circular.
ADOLPH LEHNE, Mechanicsburg, Ohio

WHITE WYANDOTTE EGGS, HALF PRICE
After May 15th from my Boston, Cleveland, Ohio State Fair and Indiana State Fair Winners. A rare opportunity to get started in the best there is—BOWDEN'S IMPERIALS.
SHERMAN BOWDEN, MANSFIELD, OHIO

ANCONAS
Crede's Superior S. C. Anconas, winners at Illinois State Fair, 1913, the Great Coliseum Show, Chicago, and Elgin. Special price on eggs after May 1st—I will sell 5 eggs each from my 3 best pens for $1.25 for the 15. Day-old chicks, stock housed in Dr. Woods' open front houses.
WM. CREDE
670 SLADE AVENUE ELGIN, ILLINOIS

EGGS from
Brinkley's Wh. Plymouth Rocks
"THE BEST IN THE SOUTH"
Will hatch you prize winners. $3 to $15 per setting. Stock always for sale.
EGGS HALF PRICE BALANCE OF SEASON
W. J. Brinkley, Owner, J. H. Skedd, Supt. Box A, IUKA, MISS.

Wingold Buff Orpingtons
Win the CHAMPIONSHIP CUP for BEST DISPLAY at three important shows
CLEVELAND BUFFALO DETROIT
Taking more firsts and seconds than all our competitors together.
Excellent values in $5.00 females and $10.00 males. Eggs for hatching, $2.00 to $15.00 per 15.
Remember we guarantee 12 chicks per setting. Eggs half price after May 15th.
Entire satisfaction assured. Order eggs early. Mating list free.
F. A. POERTNER -:- BOX A -:- BEREA, OHIO

Having purchased R. H. Cropper's entire flock of
SILVER CAMPINES
which include 3rd and 4th pullets, 5th hen and 4th pen at last Chicago Coliseum Show, together with Illinois State Show winners. I offer a limited number of hatching eggs at $5.00 a setting less than you can get them of equal quality elsewhere. Write for circular containing unretouched photos. Mention A. P. J.
JUST-PLUCKED EGG CO., L. C. Brackett, HOPKINS, MICH.

should do to keep from the stagnation which is the curse of farm life. Now, while he is talking with brother farmers, madam, having of course been previously very particular in gathering and keeping the eggs, takes them to a line of residences where their uniformly reliable quality has become well known. Their dates should be plainly marked, as some will be older than others and the customer may use the very freshest for the table, reserving the oldest for cooking. A good housekeeper will do this as soon as she learns the ropes and will choose the yesterlaid ones for breakfast.

MOE'S ROUND BABY CHICK FEEDER

SLIDING COVER MAKES FILLING EASY



A new inexpensive feeder for little chicks, that affords protected feeding space for a great number at one time. A great feed saver, as the little chicks cannot get into the feed and or pollute it. Can also be used waste for water.

Substantially made of the best grade of galvanized iron.

If not at your dealers, sent direct, on receipt of price. Carrying charges paid.

WHEN FILLED AFFORDS PROTECTED FEEDING ACCOMMODATIONS FOR A NUMBER OF CHICKS



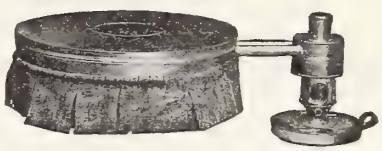
No. 11 with 8 feeding holes . . 15c
No. 12 with 12 feeding holes . . 25c

OTIS & MOE MANUFACTURING CO.
1822 Otis Building Chicago, U. S. A.

Incubator and Brooder and Poultry Yard **SUPPLIES**

Our New Catalogue issued Feb. 15th shows a full line of Incubator and Brooder Supplies, Fixtures and Repairs.

The Complete Oakes Line of Labor Saving Poultry Yard Devices



Brooder Hovers, complete, with lamp, Hover cloth, and curtain from $1.80 to $8.00

We have a copy of this catalogue for you. Send for it today—Catalogue 22B.

The Oakes Manufacturing Co.

Factory and Home Office: Tipton, Ind. Eastern Branch: 64 Cliff St., N. Y. City
Canadian Warehouse: Toronto, Canada



LOUSY POULTRY CAN'T PAY

Lice-infested poultry are a constant loss to the poultryman. Lice suck the rich life blood from poultry, stunt the growth of young chicks and rob you of your well earned dollars. These pests reduce the hens' laying ability. Buy an effective louse killer and use it liberally.

DR. HESS
INSTANT LOUSE KILLER



Kills Lice Instantly. Sprinkle it thoroughly on lousy hens, rub it well under the wings and neck, put it in the dust bath, in the nests, roosts and cracks. Instant Louse Killer also kills lice on farm stock, bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes. Comes in handy, sifting-top cans.

1 lb. 25c; 3 lbs. 60c. Except in Canada and the far West.

If not at your dealer's, write—

DR. HESS & CLARK, Ashland, Ohio.

There is not a city in the United States that does not offer a good field for this line of operations without considering parcel post at all.

A party remarked in my hearing the other day that when living in a small western city he would have gladly paid ten cents a dozen more than market price if he could have been sure his eggs were strictly fresh. That may seem a little high, but there are thousands of persons who would willingly pay, say, five cents more as soon as they are shown the difference.

The method just described means not only transfer direct from producer to consumer, but the two parties can see each other's faces, which is a great advantage. There is a varient of this method in which both the producer and consumer retain their individuality and the latter always knows the name of the farmer, yet may never meet him personally. A proxy stands between, but not the ordinary obnoxious middleman and essentially the eggs go direct to the consumer.

It is this way. A high class grocer in a big city caters to a select class of families. Generally they are wealthy, but anyhow they are respectable and thrifty and want to know what they are paying for when they buy eggs. Producer puts up eggs in sealed cartons of one dozen each and thirty of these are packed in a common case and shipped to the grocer aforesaid. Every carton bears the name of John Smith and the date when the eggs were laid. As soon as madam learns to call for that brand and will take no other, all is smooth sailing. The producer really (by proxy) meets the consumer direct. The grocer or deliveryman is the producer's agent, just as truly as if John Smith's own son delivered the goods. If John has a favorably appearing "mug," he can have its photograph printed on a circular and enclosed in the carton. Some sort of a missive ought to be enclosed in each carton anyway, describing the egg farm and the care taken to have everything just right, including roosterless yards, frequent gathering of eggs in warm weather, special eggers employed, "no place for children," sanitary surroundings, etc. If trains run right, it should be mentioned that the eggs are shipped on the eve of the same day they are laid, the cartons being labeled, "EGGS LAID TODAY." You see, having no "yesterlaid" business about it is a nice talking point, and night transportation is a good thing on the score of coolness.

Groceries by Mail.

In regard to what I said in February issue about parcel post bringing what will amount to veritable revolution in private and public doings, some of my friends have thought I was too radical in supposing that the retail stores of dry goods, hardware, groceries, provisions, etc., were bound to suffer. I notice that such skeptics have lived where they have not gained the experience of westerners and southerners who have been for a long time buying mail-order groceries as well as the other goods mentioned above. The practice has been in vogue for thirty years and being now under full headway is lately still increasing by geometrical ratio. It is beginning to be popular at the east and north also, I am informed.

You may live almost under the eaves of a good grocery, in small city or big

one, for that matter, and the grocer, good, competent, worthy fellow though he may be, cannot compete with the mail-order grocer to save his life. And, mind you, this has been the case while expressage at pretty plump rates had to be paid, before parcel post loomed up at all. One reason, as has been shown, was the burden of the delivery wagon on top of bad debts, but there is a further cause, which is that clerks are not hindered by personal meeting of customers and everlasting chin-chin, and therefore can do up articles steadily and so work off five or ten times the quantity of goods in a day, as compared with showing a woman, for instance, $100 worth of goods to have her buy 10 cents' worth, and there is always plenty to do all the time after orders are filled.

* * *

How About It?

Whenever the question of keeping or striking out symmetry from the scale of points has been discussed, I have always stood by symmetry. All the arguments about the improprieties of cutting twice for the same defect have not moved me because certain features, e. g., back, tail, neck, breast, etc., may be pretty good by themselves, yet somehow fail to harmonize when stacked up. It is true that symmetry cannot be analyzed and explained any more than you can describe in words the individuality of a person's countenance, yet it is there all the same. You may not be able to put in words your experience of a lack of symmetry in a particular exhibition fowl.

"The reason why I cannot tell,
But I do not like thee, Dr. Fell."

There was an amusing thing once at one of the long ago A. P. A. discussions over symmetry. One judge of long practice and extensive popularity, in debate incautiously made the remark that if symmetry were stricken out "there would be no flexibility left in the Standard." Now, there had been spouting by the hour and quite an extensive vocabulary employed; but "flexibility" involved a new concourse of vowel and consonant sounds. At first numbers seemed dazed, but soon a series of grins ran around the hall like a ripple, and as soon as a member arose and asked what in thunder a judge had to do with flexibility, a roar shook the roof. Some of the old timers will remember the incident. After that the boys used to chase him around when he was judging and persecute him by asking which exhibitor he was going to favor by the application of the doctrine of "flexibility" to the symmetry section.

It has always seemed to me as though what the artist calls "pose" was a chief part of symmetry. The poise of the body upon the feet; in other words, the carriage, should be observed. If the habitual carriage appears as though the bird was balanced firmly but lightly in its tracks, then we will warrant that it is of symmetrical build all over. In symmetry there is a chance of indefinite improvement. Not so with some other points; for instance, yellow legs are yellow, and slaty blue are slaty blue, and metallic green or golden bay, or snow white feathers when attained are attained, for black cannot be more than black or white more than white. But progress in grace and symmetry has no bounds.

Read page 774——A. P. J. Year Book

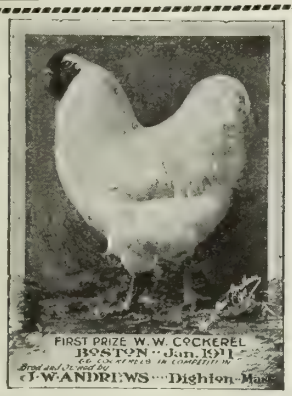
HILLDORFER'S

JUMBO S. C. BLACK MINORCAS

Great Layers Great Size Great Quality

They won at the Club Show, Pittsburgh, Pa., January, 1914, in the greatest class ever shown, 241 birds competing, Championship Special for Best Display, Cock 1-2, Cockerel 1-3, Hen 3, Pullet 1-3-8, Pen (old) 4, Young Pen 3-7, Several Silver Cups and Specials, making the best record ever recorded against the best birds ever brought together at any show. 1,000 select breeders for sale. Eggs from choicest matings. Mating list free.

Hilldorfer Black Minorca Farm : Saxonburg, Pennsylvania



J. W. Andrews'

America's Greatest Winning Strain of

White Wyandottes

Continuous Winners at Boston for Sixteen Years

Won First Pen 1906, '07, '09, '10, '11, '13
First Cockerel 1907, '10, '11, '12
Second Cockerel 1897, '98, 1910, '11, '12, '13

Eggs Half Price After May 20th

From 10 of the finest matings ever bred, that will produce next season's winners for you. Bred on true Wyandotte lines that can lay eggs and win prizes. Send for mating list.

J. W. Andrews, Box A, Dighton, Mass.

May and June are Nature's best months for Hatching

PAPE'S S. C. B. MINORCAS



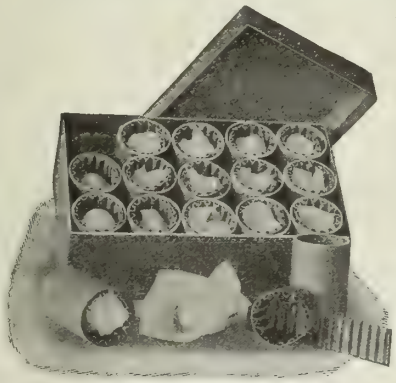
Am offering eggs that will hatch at about half price, males that will improve any flock-chicks-Utility and Exhibition Quality Breeding pens at introductory prices.

As a table fowl, their meat is juicy and well flavored. They can be kept profitably on free range or in the confined run of a city lot. Quick growth, early maturity and remarkable beauty in form and feather have won Championship Honors for us and customers at every Show of importance. Being non-setters they lay LARGE WHITE EGGS ALWAYS.


"We hold our own in any competition"

Guarantee safe arrival and a good hatch, regardless of shipping distance. List of Matings and Winnings sent free. State requirements. Will help you.

Chas. G. Pape, Box B74, Fort Wayne, Ind.



Are You Sending Your Eggs by Parcel Post?

Rates were reduced January 1st. Ship your eggs in Moe's Regal Egg Carrier, the "safety first" box. Used by noted breeders, judges and experiment stations. The Automatic Mail Exchange Co. says:—

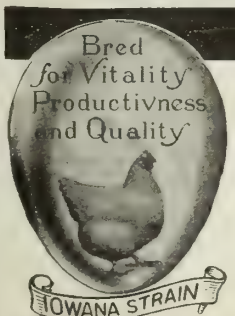
"We have not found anything which can be in the least construed as a competitor of Moe's Regal Egg Carrier for safe handling of eggs by parcel post."

It takes but a moment to pack Moe's Regal, then it is ready to go to any part of the country and can be used time after time.

15 Egg Size . . . . $1.80 per dozen
30 Egg Size . . . . 2.70 per dozen

Otis & Moe Mfg. Co., 1802 Otis Bldg., Chicago, Ill.

Iowana White Orpingtons



HALF PRICE EGGS

Eggs now $2, $4 and $6 per fifteen
Baby Chix now 25c, 40c and 50c each

Pens headed by Chicago, Des Moines, Iowa and Illinois State Fairs, Galesburg and Davenport winners. Send a card for Mating List.

IOWANA FARMS POULTRY DEPARTMENT
HARRY W. ATKINS, Supt. BOX S DAVENPORT, IOWA

Chick Chats

by H. P. Schwab



May! May we now have some regular Spring weather?

* * *

Keep them coming, and keep them growing.

* * *

The best stock we have seen in the breeding yards this year, has been May, June and July hatched.

* * *

The season is later than usual, but ample time remains, we believe that most breeders hatch too early.

* * *

The most successful breeders hatch early and late, they have them just in bloom at all seasons, there is reason.

* * *

Grocer—"What are you doing there?"

Clerk—"Mr. Dobbs has ordered two dozen eggs and I'm looking him up in Bradstreets."

* * *

Turkeys are innocent birds; almost any woman can stuff them.

* * *

Buy eggs for hatching, it's the poultryman's best chance to improve his stock. In most cases they can now be bought at reduced prices.

* * *

What is bred in the bone shows up in the soup.

* * *

Our trip through the East found the breeders full of confidence and with the best stock and matings ever, superior quality was the outstanding feature noted.

* * *

We had a real New England stew with Billy Atherton and missed a shave and nearly our train besides, but then we would rather miss all, then to miss Billy. He now winks with both eyes when speaking of the next Boston Show, better get reservations now.

* * *

Drev.—get off from that heavy-stuff and give your readers the real untangled "Notes" again, they expect it from you.

* * *

At New York we were pleased to meet Mr. Harry M. Lamon the government expert. He will soon visit the Ostrich Farms in Arizona and complete a trip to the far-west, Uncle Sam is busy with the chicken business also.

* * *

There we also met Reese V. Hicks, ex-President of the A. P. A. and Mr. M. L. Chapman of the Rancocas Farms. Mr. Chapman reports a great and busy season at the farms.

* * *

Names on the coops is the important question of the day and should prevail.

* * *

Secretary Hewes of the Chicago Show has announced his list of judges. His ideas are sound and we think all lists should be announced early so the breeders can know and arrange to exhibit at the shows and under the judges they think most capable.

* * *

Williamsport, Pa., will as usual open the season of big shows November 17th to 20th. Buffalo comes next for Thanksgiving week, then the New York Palace, etc. The dates for the M. S. Garden Show have not been announced as yet, but will likely be about the usual time.

* * *

The Pennsylvania Branch has a candidate for president in Mr. Frank McGrann of Lancaster that deserves election.

* * *

We regret that Mr. H. H. Collier has withdrawn from the race for member of the executive board. Mr. Collier has many friends in the East who surely would have been glad to vote for him.

* * *

Sprouted oats are in greater favor than ever for mated birds and growing chicks, its daily use is recommended by all prominent breeders.

* * *

Colonel Nate Shaw of the Jersey Minute-men is also getting the Barred Rock fever. He has been closely associated with General Harcombe and probably grabbed off a few germs. The General since his Palace New York victory has learned the secret of undercolor and some other things.

* * *

In Mourning—"What are you wearing that thing for?" asked Mrs. Gabb when her husband came home with a band of crepe around his hat.

"For your first husband," replied Mr. Gabb, "I'm sorry he died."

* * *

Mr. M. F. Delano, owner of Owen Farms is up and doing, at the time of our visit he had over 3,000 chicks out, some of them crowing, both he and Frank Davey are to be congratulated on this grand early showing. Health, vigor and quality were features.

* * *

With all the lawyers we have in the poultry industry, there is but little lawying going on, Chas. H. Wood of Worcester, breeder of Partridge Wyandottes that "cleaned-up" at New York

TRAP-NESTED 200 EGG STRAIN

THE WORLD'S BEST LAYERS

TRAP-NESTED 200 EGG STRAIN



STOCK EGGS

BABY CHICKS


Lady Vera 235 Eggs


Lady May 219 Eggs


Lady Agnes 236 Eggs


Lady Beatrice 240 Eggs


Lady Grace 232 Eggs


Lady Rose 232 Eggs

LADY HATTIE 256 Eggs

LADY SHOW YOU 281 Eggs

WHITE ORPINGTONS BUFF

R. COMB REDS S. COMB

WHITE ROCKS BARRED

S. C. WHITE LEGHORNS

WHITE WYANDOTTES

Eggs and Baby Chicks from profitable layers is your only guarantee for SUCCESS in the poultry business. Isn't it a serious matter when eggs are selling for 35c to 50c a dozen and your hens are not laying? Ask the man who has failed. Also ask him if he would recommend the breeder he bought his stock from. I breed for eggs and can furnish you stock that will lay when eggs are high. THAT MEANS YOUR SUCCESS.

PRICES	Eggs	Baby Chicks
From stock with records of better than 200 eggs and their special matings	30c each	50c each
From stock with records of 144 to 199 eggs and their special matings	20c each	35c each
From stock without records but from trapnested blood lines	10c each	20c each

Note:—There are no discounts on eggs or baby chicks in lots of less than 200. Can make prompt delivery of eggs and baby chicks. Write for sales list. My instructive catalog is free.

JOHN G. POORMAN, Box 100, TINLEY PARK, ILL., U. S. A.



WHITE WYANDOTTE WINNERS AT BOSTON SHOW JAN. 1914
FIRST PRIZE COCK, FIRST PRIZE HEN, FIRST AND SECOND PRIZE PULLETS
JOS. RUSSELL TORONTO, ONT. CANADA

In view of the fact that a majority of the best show specimens have been tried out at earlier shows, many breeders of White Wyandottes consider a winning at Boston more difficult than at Madison Square Garden, and the tendency has been to meet for Championship honors at Boston. We have seen many a Garden winner go down to defeat here, a circumstance that has made the White Wyandotte alley at Boston one of the most interesting places at the show. This season Jos. Russell, of Toronto, Canada, caused a sensation by winning every first prize except one with his grand string of Wyandottes. In addition to the blue ribbons, he also won numerous other places with birds of rare quality, which easily gave him the display prize by a large margin of points First prize hen is shown to the left of above picture in a characteristic pose, beside her is first prize cock, with first and second prize pullets in the background. First prize hen was the center attraction of the Wyandotte alley. She was exquisitely modeled, each section blending into the other with perfect harmony of curves. She carried herself as a model at all times and was pronounced the best hen shown in many years by many of the breeders present. First prize cock was another good one and in the opinion of many he embodied the correct length of body and fullness of breast to make a useful and beautiful looking fowl.

Bawden's Buff Plymouth Rocks

are big, vigorous, great layers, fast growers, finest yellow feather, yellow flesh table fowl, and the greatest exhibition strain in the world.

Ask for 1914 Egg Catalogue

JOHN BAWDEN, Box 20, RIDGETOWN, ONTARIO, CANADA

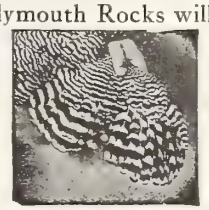
World's Best S. C. Buff Orpingtons

WINNERS FOR YEARS AT CHICAGO, PITTSBURGH AND CLEVELAND

Winners from coast to coast in customers' exhibits. Improve your matings with one of our males. **25 pens mated for the egg trade.** Headed by these and other winners, birds of grand type, even Golden Buff to the skin, and fine head points. These pens will also contain many prize-winning females. Mating list free on application.

ROSELAND POULTRY FARM, Chas. W. Switzer, Prop., SOUTH EUCLID, O.

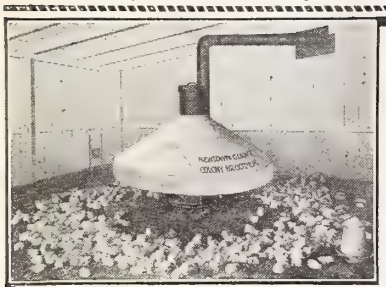
HALF PRICE



All eggs from the world-famous **Aristocrat** Barred Plymouth Rocks will be shipped out after May 15th at half price. This means eggs from each and **every** female I own, even the very best, **the very richest.** Orders booked **now** for delivery after May 15. Regular prices are as follows: $10 for 15, $17.50 for 30, $25 for 50, $50 for 100. Half price means just half of the above amounts **for these same quality eggs.** Eight fertile eggs guaranteed in every setting. **Rush** your order forward. First come, first served. Every day counts.

W. D. HOLTERMAN, Fancier, Box A, FORT WAYNE, IND.

The Aristocrats are the sensation of the entire Barred Rock world. Every breeder has his eye on them. Look up my large ad. in April issue.



Newtown Giant Colony Brooders Insure Success

That is the report from practical poultrymen in all parts of the country. We present the proof below. Efficiency, economy, convenience and safety are all combined in the Coal-Burning, Self-Feeding, Self-Regulating Newtown, the Brooder which makes chick-raising easy and profits sure.

Does All We Claim—Then Some More

"After giving the Newtown Brooder a thoro trial, I am more than pleased. It does all you claim and then some more."
—RICHARD TEAGUE, Box 168, High Point, N. C.

The Best He Ever Had

"I am frank to admit that the Newtown plan of brooding chicks is the best I have ever used and I have never used a brooder that was more satisfactory. It is a great labor-saver where 200 or more chicks are brooded at one time, and they are always dry and can run under the stove and warm up at any time. Best of all, the air is always pure and fresh." —H. B. MORGAN, Amenia, N. Y.

It's Play to Care for the Newtown

"I have only fullest praise to accord the Newtown Colony Brooder. After my experience last year with that oil affair, I feel that it is only play to care for this. There is never any taint of gas and the chicks are sure of any heat they choose. I'm apt to call for much—I guess I'm fussy—but I'm more than satisfied. I say this for your benefit, not for mine, for my product is provided for to the last egg and feather."
—ALEX SLOAN, York Beach, Maine.

Chicks Do Best in the Newtown

"My Newtown Brooder is doing very nicely. I put the chicks in and they are doing the best of any I ever had."
—C. WISTER THOMPSON, Salem, N. J.

Never Had Chicks Do As Well

"The fore part of February I bought two of your brooders from your agent. Have used one since February 17 and must say it is all you claim for it, and I cannot speak too highly of it. We never had chicks do as well with little care as in this brooder. Also have one of the other coal-burning stoves and yours is so far ahead there is no comparison between the two." —R. J. ELLIOTT, Mansfield, Ohio.

One Scuttle of Coal Daily in Zero Weather

"I have had a splendid chance to test your coal-burning Brooder this last few weeks. I don't know how I could have gotten along without it. The weather went as low as 20 degrees below zero, but it had no trouble at all looking after the little chicks. Besides being the best brooder I have ever seen or tried it is by far the cheapest and easiest to operate. One scuttle of coal in the zero weather will burn it for twenty-four hours."
—ROY MATHESON, St. Marys, Ont., Canada.

The Newtown Raises His Finest Flock

"I can report that the Brooder is a grand success from all angles. My chicks are now 15 days old and the finest flock I have ever raised. Have been inspected by about 10 different poultrymen and all think it wonderful how chicks have done under your Brooder.
"I placed 700 chicks under the No. 1. They did fine and the thermometer registered five below zero when I put them in fresh from the incubator. I am using it in a curtain-front house, but am opening the curtains on sunny days. Could ask for no better results as they go to the stove as they would to the hen. The operation is practically automatic, and there is nothing to raising chicks in this, the only way."—B. B. EVERETT, Haddam, Conn.

It is too late in the season to experiment. You must get the brooder which will positively do the work, and you must be sure of quick delivery. Order your Newtown now. We will make immediate shipment from a dealer near you and the machine will surely give satisfaction.

Write now for FREE Brooder Catalog and name of local dealer.

Newtown Giant Incubator Corp'n, 21 Warsaw St., Harrisonburg, Virginia

last winter told us that there was more excitement breeding chickens than in pleading a case. Just so.

* * *

The baseball season is upon us. Next comes the fishing season, but don't let such trifles interfere with your poultry work, there is time for all when properly arranged.

* * *

Chicago friends please note.

* * *

Have you seen the 1914 A. P. J. Year Book? It is larger and better than ever and full of just what you should know. Price $1 per copy.

* * *

We now expect to remain at home for a few weeks, and then to hear from all our friends, we want news to make these columns interesting.

* * *

We have received with the compliments of Mr. John H. Robinson a copy of the catalogue of the first Poultry Show held in America at the Public Gardens in Boston, Mass., November 15th and 16th, 1849. Thanks.

* * *

The A. P. A. election is rather warm after all, the East is all worked up over two candidates for the executive board.

* * *

Many a man stops to wrestle with his conscience but few lose the decision.

* * *

Again we call our reader's attention to fake and worthless goods that are being sold as poultry-mustard, and we know where it also has been represented as "French's". French's Poultry Mustard is only sold in sealed and original packages, and this is the special brand we have recommended to our readers. Be sure you get it.

* * *

If any of our readers should have any old poultry books or standard we would like to hear from them with particulars.

* * *

The Norwalk (Conn.) Poultry Association was lately organized and will hold their first show this winter. The secretary is Mr. Charles R. Petty, South Norwalk, Conn.

———o———

Can Mail Eggs in Ordinary Crates.

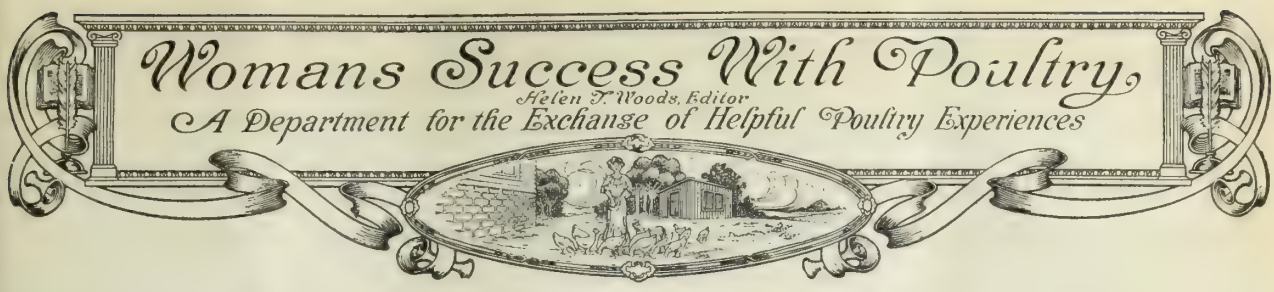
CHANGE IN REGULATIONS WILL BENEFIT FARMERS AND TRUCKERS.

(Press Dispatch.)

Washington, March 15—Postmaster-General Burleson tonight announced a change in the parcel post regulations that will be, in his opinion, a great boon to the farmers and truckers of the country.

Under the new regulations, butter, eggs, fruits, berries, vegetables, dressed poultry and other articles in parcels weighing over 20 pounds and up to 50 pounds for shipment within the first and second zones—approximately 150 miles—can be packed in boxes and crates similar to those generally used when shipping these products by express.

These large parcels will be handled outside of mail bags. But packages of these articles weighing 20 pounds or less are to be required to be securely packed as heretofore, in such manner as to be safely handled in bags with other mail matter. Under these new regulations Mr. Burleson thinks the farmers and truckers will be able to ship their products by parcel post in a less expensive manner than has up to this time been required under the old regulations.



EFFICIENCY THE KEYNOTE OF SUCCESS.

BY EUNICE READ WRIGHT.

EFFICIENCY is the keynote to success in any and all business undertakings today. Thousands of dollars are spent monthly to find better and more efficient methods for conducting all leading business enterprises. What held good for method in a business five years ago is today a back number in almost every case. Surely the world "do move."

Only in poultry keeping and housework do the majority of the workers cling to eighteenth century methods. It has been said that "if Mrs. Julius Caesar were to be returned to earth, she would be perfectly familiar with existing methods of doing housework. She could wash and iron by hand just as she used to wash and iron by hand before her husband went into politics and told her to hire a girl." The only reason for this lack of progress ever given is that of the laborer's unappreciation of the value of the work. The man or woman making a business of poultry and egg production very seldom figures in the value of the time he or she devotes to the work. Nevertheless, herein lies the BIG item. So we better start with it. My time is valuable, and so is yours, or if it isn't, you better get busy and make it so. Certain it is, we can't afford to be carrying chickens from this coop to the next one through all the balmy summer evenings, for each evening so spent takes from, instead of adding to, our working capacity. No one can enlist his best energy and ability on an undertaking, when he wears his body and mind to a frazzle every evening, hot, rainy or fair, in carrying chicks from one spot to another over a five or fifty acre lot—and besides it is very conducive to the free use of language not permitted in polite society. There is nothing more aggravating than that of spending two hours time fussing over doing a thing, that ought to do automatically. About every poultry keeper is doing it though.

Look over your equipment and methods of doing your work this spring and you will find yourself taking ten or a hundred steps where only one is, or ought to be, necessary. There is almost no part of the daily work in poultry keeping that will bear inspection in the matter of time saving. Every individual item can be reduced or simplified by a little thought in search of labor saving and efficiency in poultry work.

"Egging" may be an exception, since it is something requiring great personal care in handling and packing. But even this work can be simplified by a competent, careful person—and no other should be trusted with eggs intended for human consumption.

The gathering, packing and shipping of eggs easily becomes a most interesting work to the thoughtful person as should all preparation, care and shipment of foodstuffs. In fact the "egg er" takes keen delight in day after day gathering baskets of clean, new-laid eggs, wearing the bloom which bespeaks their tender youth, packing those of uniform size, discarding any and all, eggs bearing ever so slight a soiled spot, these being immediately washed with a damp cloth to be sold as seconds. Sixty to sixty-five dozen can be gathered, sorted while packing, and labeled ready for shipment in about an hour, after one becomes familiar with the work. Much, of course, would depend on the convenience of the houses and nests. But if these are not convenient by all means waste no time until they are made so. Have the nests easily "getatable" for both hen and attendant, though the nest itself should be partly secluded. Where the flocks are large, eggs should be gathered twice daily, even though a liberal supply of nests are provided. A hen (being fe-

French's Poultry Mustard

Not a Table Condiment, But Made From the Choicest Imported Mustard Seeds. For Use With Poultry, and Prepared to Produce the Most Excellent Results. The Original Poultry Mustard in America! Don't Accept Counterfeits!

Recommended by Poultrymen. Used by the largest fanciers in the United States. See testimonials from such noted breeders as Haldie Nicholson-Edward Corning of Bound Brook, N. J., E. B. Thompson, the President of the American Poultry Association, and the largest poultry and egg producers in the United States.

32-page booklet of Ralph Allen's experiments in England, together with other articles upon the subject of Mustard for Poultry sent free. Write without stamp to **THE R. T. FRENCH COMPANY, Department A, Rochester, N. Y.**

PALACE N. Y. SHOW, 1913

WINNING BARRED PLYMOUTH ROCKS

In a class of 213 birds, bred and shown by America's Leading Breeders in one of the largest and best classes ever exhibited, I won **Special First for Best Cockerel,** Mating Pen, Second Pullet Mating Pen, Fourth Exhibition Pen, **First and Third Pullet-bred Cocks,** Fourth Pullet-bred Cockerel, Second and Third Cockerel-bred Hens, Second and Third Cockerel-bred Pullets. **Specials, etc.** A record of merit in all classes.

Palace, New York Show, 1912

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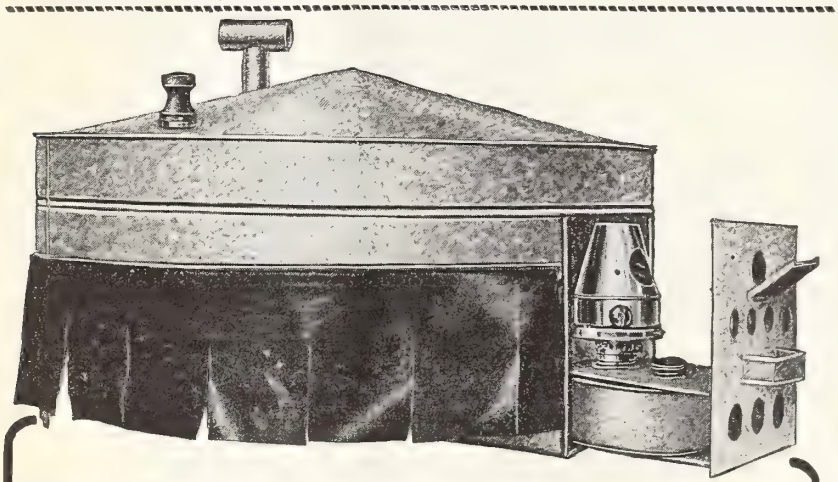
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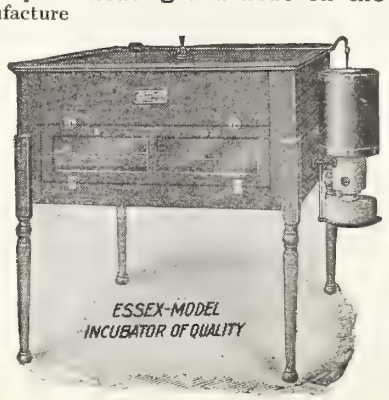
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male) is very apt to have a pronounced persistency in selecting certain nests for depositing her eggs, even though a dozen or more of her sisters have used the same nest for that purpose on the same morning. Broken eggs in the nest is frequently the result making not alone a loss by breakage and soiling other eggs in the nest, but fouling the nest and inviting egg eating, a habit which when once formed is really hard to break. The "egger" who knows her business, must first, last and all the time, keep the nests in ship-shape, using clean, sweet nesting material "early and often."

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Lack of Air at Night.

Cooping the young stock at night during the summer is necessary, only for protection from heavy rains and night marauders such as foxes, skunks and the like. The ideal coop is really a roofed cage. But even where these open-air quarters are used, there should be an automatic opening that insures the chicks being able to free themselves from the cage when the first hint of dawn illumines the eastern sky. More chicks are stunted in close, hot quarters during the early morning hours when they ought to be out catching the early worm and incidentally flapping their newly feathered wings, than develop into good healthy specimens. A properly constructed bait bar after the fashion of the automatic feeders will do it. Any one with a mechanical turn of mind can attach such an automatic arrangement to a slide or opening door so that the chicks or adult fowls as the case may be, can free themselves from their sleeping quarters at an early hour.

Don't forget at this season of the year to keep a few flocks in the orchards, and around fruit trees on any part of your place. The chicks will render great assistance in abating the bug and worm nuisance. A hen has been known to eat hundreds of cankerworms and bugs of various kinds a day, and all the time she is balancing her ration to her best advantage, far better than you or I could do it for her. When a human eats what he hungers for, he rarely has indigestion because his system cries for what he needs. It is more than a century ago that scientists formulated a working knowledge of these facts, but some people still look doubtful when it is suggested that the same principle be applied to the feeding of poultry. It is a wearisome task to convince the "inflexibles," who have absorbed an idea in youth, hold and hug it throughout their lives, as wisdom-studded truth.

Even the waste of our bodily economy must be discarded, yet we cling to these "waste" ideas and customs of past centuries afraid to let go of an idea that died and mortified years ago, and consequently in this day and generation, clogs the brain cells to such an extent that twentieth century ideas look like yellow journal scare heads. It is time to wake up and absorb some of the good things belonging to present day conditions.

———o———

Lawyer—The cross-examination did not seem to worry you, have you had any previous experience?

Client—Six children.

THE HOUDAN—A TRUE UTILITY FOWL.

IN these days of changing fashions in poultry, and in the never ceasing bringing out of new and improved varieties, it takes a mighty good breed to hold its own. Of course such breeds as the Rocks, Dottes, and Reds, that having first-class utility qualities to start with, have had the right kind of strong aggressive breeders pushing them, have arrived at a place from where they are not likely to slip back. Outside of these there are many breeds competing for places in the poultry world, and among these breeds there is no better utility fowl than the Houdan. Further, while I have no desire to disparage any breed, for I am no knocker, yet I claim that in many ways, and for certain purposes the Houdan is superior to some of the American breeds, and for general utility value it is fully equal to any of them.

The much abused term, "general-purpose breed" can really be applied to the Houdan. This term is one that like Charity, covers a multitude of faults. As it is commonly applied it often means a lot of different qualities combined in the one breed although often at the expense of high quality. But in this sense it does not apply to the Houdan, for in that breed we really have a fowl that combines in itself many different qualities and traits, and all of these qualities are of the highest. As a table fowl the Houdan is in the very highest class. The meat is of the very best flavor, neither hard nor stringy at any stage, it carries a large proportion of this meat on the breast, and dresses with an extra small proportion of waste. Not only does it make a finely flavored, tender and juicy carcass for the table, but with its small amount of waste and offal it is one of the most economical fowls to prepare for the table.

The Houdan chicks are among the quickest growers, they feather quickly, and make broilers at an early age. These broilers are plump little birds, not leggy and rangy like the chicks of some of the American breeds at the same stage, but have plump and attractive carcasses.

When they arrive at the roasting stage they do not become staggy and hard in the flesh as do the cockerels of the egg breeds, but retain their tenderness of flesh until they reach a good age. Differing from most breeds, a Houdan hen will make a good roaster even when two years old, the meat remaining white, juicy and tender.

As a layer the Houdan is the equal of any of the breeds, when properly bred, fed, and cared for. The laying competitions have confirmed what most unbiased poultrymen have long contended, that laying ability is not dependent on the breed, but is more dependent on the strain, on how the layers were bred, how fed, and how cared for.

Understand that I do not claim that the Houdan is a 300 egg hen, or that all Houdans are 200 egg hens, or even 150 egg hens, far from it. Such exaggerated claims have been made for the Houdan by certain sleek individuals who used and exploited the breed for defrauding the inexperienced beginners in the poultry business, and these claims have hurt, and are still hurting the breed a lot. But I do claim that breed her right, raise her right, and keep on feeding her right, Mrs. Houdan will hold her own as an egg producer. So

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To this add my great win on males at the Palace, N. Y., at Boston and many smaller shows for the past three years and the fact is well established, beyond dispute that I have the strongest male line in the country. And it is a "line" I have bred—all related—not transient "sports" that happened to win but different birds of this line that have been awarded highest honors by many judges.

With this large winning at the largest shows, on males I bred, I am able this year to put together a most remarkable and consistent lot of matings. My free mating list describes pens in detail.

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well is this known in England that a Houdan first cross with several other breeds is in great demand for laying stock. Right here I would remark, that while I do not as a rule believe in crosses, considering the pure bred bird best for all purposes, that it is hard to beat either for eggs, or for a market fowl, a first cross between a Houdan male, and either Plymouth Rock, or Wyandotte females. The pullets mostly come black, and are good solid heavy birds that lay in great shape.

As a layer the Houdan has an advantage over the hens of the American breeds as she never becomes broody, and wants to lay off, hatch, and raise a brood of chicks, right at the time of year when eggs are wanted. Being strictly a non-setter she attends right to business, never letting up till fall.

Then, two, three, and even four year old Houdan hens will keep up the laying habit, although of course the older hens will not lay so many of their eggs in the winter season as do the pullets and yearlings.

The "general-purpose fowl" must be one that is a good breeder, hardy and easy to keep in any climate. This the Houdan is without question. There is no breed that will stand the extreme cold better, their small combs are well protected by the heavy crests, and the small wattles are equally well protected by the beards and muffling. In fact the Houdan might well be called "a frost-proof hen" or "the hen with the fur cap and ear muffs." Down here in Eastern Maine we do not have the best of climates, we are liable at any time to get all kinds of weather during the same day. A couple of weeks ago here, we had a variation of 60 degrees in less than twenty-four hours, from 30 above to 30 below zero, but it did not hurt the Houdan. We have a long, long winter with lots of snow, yet my Houdans are kept in what is practically open front houses, windows open all the time, doors open so that the hens can go out most of the time, and they do go out nearly every day, except during heavy snow-storms. With all this, sick or ailing hens are almost unknown.

Our closeness to the Bay of Fundy gives us lots of rain and damp weather, and I take no extra precautions to keep the birds out of the rain. They get their crest wet, soaked in fact lots of times, yet they do not seem to suffer from colds, even though some people will tell you that you can't let the Houdan crests get wet. Stuff, nonsense. My Houdans are subject to practically the same conditions as are my neighbor's Rocks, Reds, or mixed breeds of all kinds, and they really have less colds, and keep as healthy, strong, and rugged as any of them.

I never coddle my Houdans. I haven't time, besides it does not pay. My chicks, too, are raised under ordinary conditions, no more care being given to them than to any chick. They do not get much attention either. The brooders are out among the berry bushes. Plenty of chick feed is scattered in the litter, hoppers are filled, water dishes cleaned out and filled with clean water in the morning, then they are left to their own devices, generally for the whole day. If a shower comes up and they get wet, what of it? They do not seem to suffer from this method of raising, and make good birds for me. Birds that have taken the Blue Ribbons at the big shows at that. No, I do not coddle the Houdan, either chicks or

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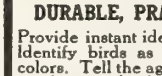
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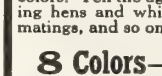
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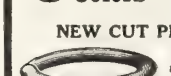
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fowls, they do not need it as they are a hardy out doors fowl. Of course, I do not claim that it is good for the Houdan to get its crest wet in cold rainstorms, neither is it good for fowls of any breed to get their feathers wet in cold rains, but I do claim that such wettings hurt the Houdan no more than they hurt the other breeds.

The chicks are easily raised, grow fast, and after they get their growth are rather small eaters. You do not have to shovel the grain to them as you have to do to some of what is called the general-purpose breeds.

In addition to all this the Houdan is an ideal fanciers' fowl. A breed that gives him a chance to exercise his highest skill. The Houdan is also an ideal fowl for the amateur, tame and docile, she is an easy breed to pet, easy to keep and confine, as she is not a flighty bird in any way. Handsome and sprightly, she looks well on the lawn, or in the door-yard.

In closing, I cannot better draw attention to the value of the Houdan as a utility, a general-purpose fowl, a white-egg-bred-to-lay, bred-to-pay breed, than by quoting from a small folder issued by the American Houdan Club, the following enumeration of the principal good points of the Houdan, drawn up by a man who bred, and knew a really good Houdan.

1. Quick to grow and feather as a chick, making broilers much sooner than the Rocks, Wyandottes or Brahmas.

2. Fertility of eggs, nearly everyone producing a chick under favorable circumstances.

3. Early laying pullets.

4. Great productiveness of females, hens one and two years old laying as well as when they were pullets.

5. Quantity of eggs, size of eggs, and their pure white shell.

6. Ease of confinement, and their perfect contentment in restricted quarters.

7. Perfect quality as a table fowl, both as to flavor of flesh, and the very small percentage of waste in dressing.

8. Hardy of constitution, adapting themselves to all kinds of climates and conditions.

9. Small eaters.

10. An ideal fanciers fowl that breeds true to feather, yet challenges his skill in the production of high-class specimens, and from which it is possible to produce specimens of equal quality of both sexes with a single mating.

These are the main characteristics of the Houdan fowl, and a breed that possesses these valuable characteristics is without any doubt a true utility breed.

Jas. Abernethy.

West Pembroke, Me.



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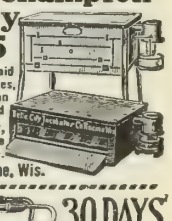
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MEAD CYCLE CO., Dept. H-265, CHICAGO, ILL.

Home and the Table
Good Things for Everybody

Helen J. Woods
Editor

LET US BE SORRY

For those who have not invested enough physical energy in labor,
Or enough mental energy in thought;
For the person who has written a last check on patience,
Or overdrawn an account in perseverance;
For those who, with a deficit in the past,
Are issuing promissory notes on the future;
For the person who has no vacation in which to be friendly,
And is therefore declared bankrupt in the court of friends;
For those who work when they play,
And play when they work,—
LET US BE SORRY, above all things, for the person who has a corner in self pity.

LET US BE GLAD

For those whose stock of good fellowship never falls below par,
Who have the best capital, faith;
For those whose assets are within the self,
Whose liabilities are all from without.
For those who may be accepted, without fear,
At their face value;
For those who desire that their success may be profit to the nation
And no loss to their kind:
For those who purchase, by their honesty,
The bonds of good will,—
LET US BE GLAD, above all things, that there are among us just such men and women.

—M. O. BIGELOW.

THE "clean-up" movement, once an exclusively private monopoly, now a nation wide undertaking, is a sign of progression worth noting. In towns and villages, great municipalities, farm homes, streets, avenues, alleys, and byways, the spirit of spring cleaning is abroad in the land.

The goodly influence of beautiful architecture, of well laid out grounds, of well kept streets, trees, flowers and all beautiful things, on the minds and lives of the passers-by is such that even factory grounds in most localities are competing with parks in their attractive well-keptness. And it has been found to pay not alone in the better quality of work but in the greater interest awakened in the employees.

One manufacturing plant in a New England town, has, in this way, aroused practically the whole population to a keen sense of the beautiful, by its well laid out grounds, club houses, tennis courts and base ball field, as well as many groups of attractively planned cottages for employees. Prizes are offered each season for best gardens, lawns, and general attractiveness of home surroundings. The company employs a landscape gardner to advise those who desire his services. These factory people enjoy band concerts at the club house two evenings a week through the summer, with dances semi-weekly through the winter season. They conduct annual flower, vegetable and poultry shows. There are base-ball games and tennis matches on half holidays during the season.

The management has found that these things pay in more ways than one. They have had no strikes or other evidence of discontent. The general tone and uplift of the town has been marked, following the installation of these modern ideas of factory government

What holds true of large manufacturing concerns along this line holds true none the less with private individuals. We are each a very necessary and very important part of the "clean-up" movement, and in most instances the back yard, if no other part of the home surroundings, needs the enlistment of our services in its behalf. Who has not suffered from an ever present vision of an ill-kept back yard, or felt uplifted by a vista of green lawns, neatly trimmed hedges and well-kept walks? This clean-up movement is not a selfish matter. It is pre-eminently for the good of all. One man cannot clean up or beautify his grounds without benefiting his neighbor as well as himself, for usually the neighbor's viewpoint takes in the entire collection of rubbish, or it glories in the delights of a garden spot. There is no reason why the back yard should not become a thing of beauty and a joy forever, with a little time and effort expended to make it so.

First, remove the rubbish. "Dumps" of some kind are probably necessary evils at the present time, but do not in the interest of human uplift, have one in your back yard. The clutter in many dooryards is reason enough for that "tired feeling" in man, woman or child who must view or walk daily through it. The rubbish removed, go about the task of making a plot of grass grow where none grew before, start a hedge or group of well selected shrubs. Have a garden of both vegetables and flowers if possible. A garden seat under the spreading shade of a tree, or vine covered arbor invites rest and enjoyment of home and its surroundings.



Third prize Barred Rock cock at Madison Square Garden, 1913. Owned by Yama Farms, Napanoch, N. Y.



First prize Black Minorca cock at Madison Square Garden, 1913. Owned by Yama Farms, Napanoch, N. Y.

Who has not longed to breakfast in the open on a June morning, with the ozone all about sweet with the fragrance of opening blossoms, the glorious morning sunlight shadowed by a network of leaves newly put forth, and a full orchestra of song birds in surrounding tree tops fairly bursting their throats to do full justice to the occasion? Or to have a quiet hour with a favorite author in the comfort of a back yard cozy corner? These things, or at least some part of them, are possible with ever so little land and means at your disposal. An interest in the undertaking and a little time spent in bringing order out of chaos will in a very short time work wonders. Recently in one of our large cities, a man employed at indoor work during the day and suffering for a little outdoor life, fitted up at trifling expense a roof garden and outdoor sleeping room on the shed roof of his kitchen. For over a year he and his family have slept there winter and summer, practically living there during the warm months, with the most marvelous improvement in health and consequent bright outlook on life. Little children now sleep out of doors all winter long in the changeable climate of New England and to use the expression of a little six-year-old girl one night last winter with the thermometer registering twenty degrees below zero, "It's just lovely out doors at night." Try it during the spring and summer months and you will be loath to give it up when cold weather comes again.

The clean-up movement, and the sleeping in the open movement, are two of the best in the line of human uplift that we have known for a long time. In both of which, the power of example go a long way toward proving the merits of the case. And at this season of the year when the awakening of life throughout all nature is infusing us with the force of accomplishment, let us individually in our home surroundings express in deeds and realize aims, rather than vague intentions, something of our truest and best ideals.

—o—

Shrimp Bisque Soup.

By E. H. J.

Mix one tablespoon of butter with one heaping tablespoon of flour and add to one pint of sweet milk, which has been heated to the boiling point. Stir until perfectly smooth, remove to the back of the range and add the well beaten yolk of one egg, salt, and pepper. Chop three-fourths cup of shrimps and add the last thing. Serve steaming hot.

Corn Souffle.

By E. H. J.

Blend two tablespoonfuls each of butter and flour and heat until it bubbles. Pour on gradually while stirring one cup of milk. When smooth, add one cup of canned corn, season with salt and pepper, and add the yolks of two eggs beaten until light yellow. Then fold in the stiffly beaten whites of two eggs and turn the mixture into a buttered baking dish, bake in a moderate oven until firm, and serve at once with crisp buttered toast.

Rhubarb Conserve.

By E. H. J.

Take four pounds tender pink shoots rhubarb, cutting into inch pieces. Add five pounds granulated sugar, one pound seeded, and cut in half, raisins, the grated rind and juice of two lemons, and two ounces candied ginger cut into small pieces. Mix well together and allow to stand in the preserving kettle for an hour. Then after bringing to the boiling point, place in the fireless cooker or on back of range to simmer for forty minutes. Seal while hot. A few slices of pineapple may be added if desired.

Orange Tart Filling.

By E. H. J.

Cream two ounces of butter with two ounces of powdered sugar and add the juice of three oranges and just a squeeze of lemon juice. Add also the beaten yolks of three eggs, then the stiffly beaten whites. Line tart tins with puff paste fill with above mixture, and bake. When done sprinkle slightly with fine sugar.

Black Chocolate Cake.

Cream one-half cup butter with one and one-half cups sugar and add two well

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beaten eggs. Dissolve one level teaspoon soda in one-half cup of sour cream or milk and add to the first mixture, alternating with two cups sifted flour. Have ready two squares of chocolate melted and stir in it one-half cup boiling water, when smooth and well blended add to the cake batter and flavor with one teaspoon vanilla. Bake in two square or round layer tins and frost with a plain white boiled frosting, recipe for which has been given in this column previously.

Steamed Fruit Pudding.

By E. H. J.

Sift two cups of flour with four teaspoons of baking powder, one-half teaspoon salt and one-half cup sugar. Stir into this one cup thin cream, and when thoroughly mixed, add one cup of any of the following fruits: peeled and cubed rhubarb, stoned cherries, blackberries or blueberries. Turn into a buttered covered mold and steam two hours.

Golden Sauce.

Mix one cup sugar, one tablespoon butter, one teaspoon cornstarch, one egg or yolks of two eggs. Pour into this mixture one cup boiling water and stir constantly until it begins to thicken. Remove from stove at once. Flavor and serve.

Feeding.

As we enter the spring and summer months, the question of feeding when chickens are yarded is a serious problem.

The breeder with his breeding stock separated, the party with a fruit or vegetable garden to protect, the householder with a limited yard, these people must have eggs, must keep chickens healthy, must raise little chicks, and graduate them strong and vigorous birds with fine plumage, or chicken raising is not profitable, and yet the birds are confined, conditions unnatural and the important item of feeding has to be on a scientific basis or results will be disappointing.

The essentials to accomplish all these ends, such as clean water, green food, sanitary surroundings, are well known facts to everyone with any knowledge whatever in bird raising, but feeding is the fundamental question.

The object of this article is not a discussion of all the various poultry foods, but to point out just one fundamental food necessity, and by this we mean to emphasize the point that unless you supply that one essential requirement, you neutralize good efforts in all other directions.

Almost from the time the little chick picks the shell, they commence to scratch, and as they grow older you can place any variety, any quantity of grain before them, and yet they will leave their grain and make for the new field or the newly spaded garden, and commence vigorously scratching the earth. Why do they do this? Why do they leave their prepared food? What is it they get out of the earth that makes it so attractive to them? Evidently nature has something the birds need—and unless we get that answer we cannot successfully coop or yard them. A little observation and you have the answer, there is the pupa, the embryo bug, the worm, the insect, that is what they are after, that is what they need and when they get it they commence to lay eggs, that kind of food it is evident is what they actually need to develop the egg.

Of recent years it has been discovered that the product called MILK ALBUMEN has this essential quality of animal protein, the same in its chemical constituents as the bird finds in the matter she gets out of mother earth. The bone meal used in its manufacture undoubtedly forms calcium phosphate and that helps along in other ways, and here then is a food exactly what the chick young or old needs—par excellence, the food for healthy eggs, which means healthy chickens.

DON'T FORGET TO READ PAGE 774

RED W FARM Secure a setting of eggs from our prize winners. We won 1st Pen, 3d Pullet at N. Y. State Fair. We won 1st Cock, 2nd Hen, 4th Cockerel, 3d Pen, young, at Greater Buffalo Show. We won Silver Cup for best display, Best Cock, Hen, Ckl., Pullet, old and young Pen at Rochester Flower City Show. EGGS from ten fine pens at very reasonable prices. **Princess Strain Rose and Single Comb Reds.** All eggs ½ price after May 15. **WADSWORTH & CASTER, Box W, Wolcott, N. Y.**

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"Lissen"

It's Up to You

To decide whether you will continue to feed a lot of hens that will not lay; to hatch from hens that will not produce layers; to mate by guess and reduce the value of the flock each year; to make only the profit, if any, you are making now; or to be able to accurately determine just about what each hen is capable of laying in a year and thus reduce feed bills and still get the same number of eggs.

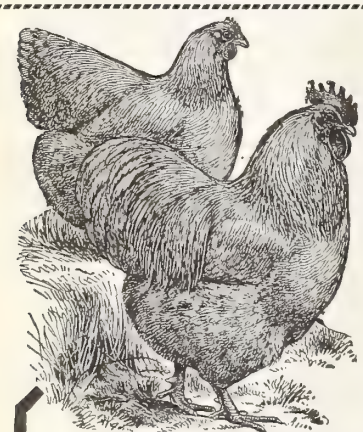
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PHEASANTS IN SMALL AVIARIES.

THE chicken dooryard business has had a wonderful advance in numbers, and in respectful consideration, acquired by the neater and more ship-shape methods of housing and care given it in the last few years.

The care of pheasants is even more fascinating and can be more profitable than that of chickens. The great beauty of the birds and the absolute cleanliness necessary in their care makes them suitable for front yards, even a pair or two can be kept healthy in a yard 30x12x6 feet with as nice a small shed or ready-made house as you want to buy. The English Ringneck prefer no house. And all kinds I have had prefer to sleep on a roost, out under the clear sky or snow storm, to wake in the morning and shake off a crust of ice or snow.

But they go in for rain, and rain is bad for them. The colors of the males are a constant source of interest and my six pens do not require so much care as the same space given to gladioli, sweet peas and spring bulbs, and not near so much care as chickens.

You feed grain, green food and prepared pheasant food every day. The quantities of feed to be carried about are small. They must not be fed too much or they will moult readily. They must be handled some to be sure they are fed enough, and they must be fed once a day on breeding mash for the best success in hatching.

They must absolutely be kept clean, the houses sprayed and the ground dug over. Two yards is best, one to be growing while the other is in use.

I do not find much difference in the difficulty in raising the different varieties, except the English Ringneck is easiest. There are more people raising English and Golden, so the Amherst brings more money. The Reeves are strong little fellows. The strength and fighting qualities of the Reeves cock makes that variety more difficult to handle and keeps the price up.

My old Reeves cock is quite tame and sings and talks to me. His voice is the only musical one of the bunch that I have. I have raised a number of Reeves and sold them the first year. Some of them sing and none were rough, but they have the name of fighting and trying to spur you.

As for the money in it, I sell from my four varieties $25 to $50 worth of eggs a season, and have sold as many as forty young birds in a season. The first year they bring $5 to $8 each in September. Older birds run to $15 and $20 each. The young birds are a care but if you are not doing too many other things you will find it a pleasure. After feathering they are practically no care.

More Americans are taking up the breeding of pheasants every year and the business is therefore becoming more profitable. You can hardly read an



AMHERST PHEASANT.

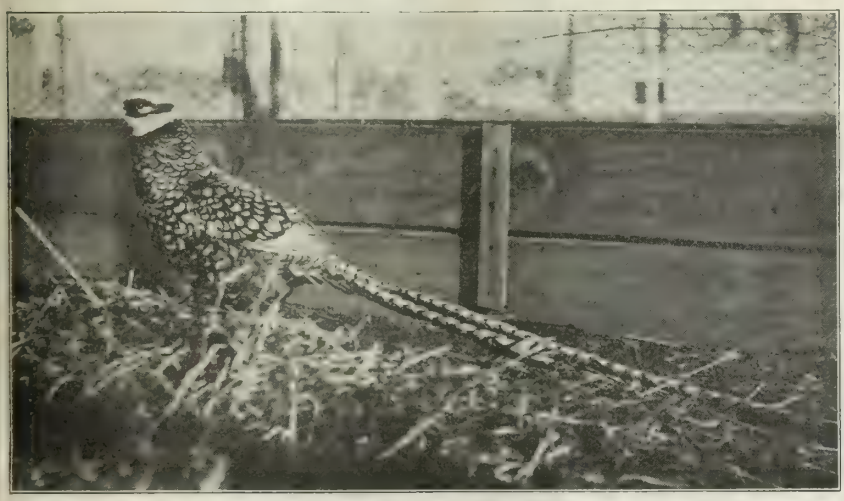
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A fine assortment of stock to supply your wants. At reduced prices. Explain fully what you want.
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Unretouched First Springfield Cockerel

English story or sketch of English life without noting a reference to the pheasantry or the pheasant pens. The large fine American places are acquiring more of the characteristics of the old English places which accounts for part of the increased number of calls for stock. Then for the past three years fashion has demanded quantities of pheasant feathers for millinery; quite a little money can be made in that way if fashion continues to dictate, so that, of course, implies more than one or two pens as the show birds should not be deprived of their beauty.

There are many inquiries about the business of pheasants and of their raising their own young. Those you raise, if you handle them enough and carefully, and are fond of them, you will tame. Those hatched and raised on your place will come back if they escape.

The Amherst cock illustrated here-



REEVES PHEASANT.

with, is all over me, pecking at my feet and hands whenever I go in the pen. He slipped out one day, and I certainly enjoyed seeing him fly. His colors are shimmering green and blue, some yellow and scarlet in tiny touches. He flew straight up, all those long tail feathers spread as well as the wings. I had raised him, and he had never been out of a pen; but he flew as if he had always done it, way up over the old elm trees and over the cathedral in the next block and away. Although I thought I might lose him, I certainly enjoyed the motion and freedom and the glitter. At night fall when I went out to put up my family, there he was prancing about all over the place, telling the Buff Orpington hens how he admired them. We opened the wire door and it was not much trouble to guide him in.

As to their raising their own young. If you have a pheasant hen that wants to set and will set, save her and protect her. She is a gold mine to you. I have an Amherst hen that has raised me pheasants every year for six years. At first I was scared to let her set. Just as you would be to let your best Orpington hen set. But she just would set. I let her because I could not break her up. I took her egg away and broke up the straw nest, in the corner of her house, and shut the door. She said, "All right." She liked it better out of doors anyway, but she supposed I would fuss if she set out in the weather. Then she built her a nest in the fallen needles from the pile of pine boughs in the corner, placed there for her protection from the cruelty of the cock in the early spring.

She was a little hard to take off the nest from that place. And when I tried she flew at me and scratched long curves across my face. So I finally gave up arguing with her and sprayed her with lice paint every few days, and built a rain shelter over her nesting place and she laid one more egg and raised one big cock nearly twice as big as his father. Since then I have kept count every spring and let her set on the last six of the twenty-four. Last year she hatched and raised five out of six eggs.

I have many more orders every year than I can fill. And this year have orders ahead for what I will raise this summer. When I first began to sell, two very pleasant mannered German gentlemen called and asked me where my birds came from. I told them the firms in Pennsylvania, Colorado, New Jersey and Oregon. Then he said he was the game warden and people kept telling him of my dealing in pheasants. But he said he had and the state of Illinois had no authority over my birds as they had never owned them.

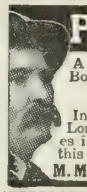
Jennie Milner.

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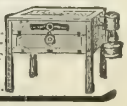
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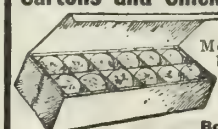
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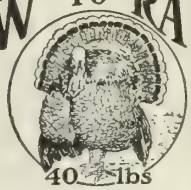
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$2.00 and We'll Ship You This Marvelous Typewriter

Think of it! Only $2.00 on this great offer. You have full ten days free trial. Our factory price is less than others ask for second-hand machines. Every sale bears our ten year iron clad guarantee. Settlement for the balance can be made on the *easiest monthly payments.* The first buyer in each locality gets a handsome leatherette carrying case free. Write today, Now.

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ROSE COMB REDS EGGS from my Cleveland and Ashtabula winners are testing 90 per cent fertile. Write for **reduced prices.**

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Holtzapple's S. C. REDS

Have won at Cleveland, Columbus, Toledo and Ft. Wayne. Orders booked for Spring delivery of chicks. Send for catalogue.

OSCAR HOLTZAPPLE, Box 48, Elida, Ohio

BARRED PLYMOUTH ROCKS

Acme Strain—None better. Write for mating list and winnings.

ACME POULTRY YARD, C. A. GIFFORD, PROP., RUSK, TEXAS

Tolman Fresh Air Strain White Plymouth Rocks

BABY CHICKS AND EGGS FOR HATCHING

The kind that LIVE and GIVE RESULTS. Over 80 per cent of his OLD CUSTOMERS ordered from TOLMAN last year. BOOK YOUR ORDER EARLY. Circular and price list FREE. P. O. ADDRESS

Joseph Tolman, Rockland, Mass. DEPT. H R. F. D. 1 Nearest Railroad Sta., Hanover, Mass.

SHELLY'S S. C. REDS

WON

FIVE FIRSTS

at New York and Pittsburgh shows this season

Eggs, $5 and $10 per 15.
Chicks, 50c and $1 each in limited number.

Illustrated Catalog and Mating List Free.

ELLIS S. SHELLY - WILLIAMSBURG, PA.



One of Shelly's Red Chicks Just Beginning to Feather

The Second Great J-M Roofing Achievement





One of the principal contributions to roofing progress as developed by the H. W. Johns-Manville Company, is

J-M REGAL ROOFING

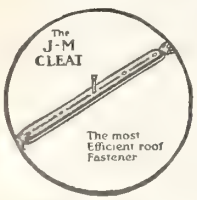
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THIS material was perfected to supply a demand for a rubber type wool felt roofing, lower in price than J-M ASBESTOS, but containing the Johns-Manville standard of quality and service.

J-M REGAL ROOFING does not dry out in the hottest climate and will not freeze or crack in the coldest weather. Does not melt, harden, rot or crumble with time; remains pliable and retains its water-and-fire-resisting properties indefinitely.

Made of the highest grade wool felt, thoroughly saturated and heavily coated on both sides with genuine Trinidad Lake Asphalt, the most durable water-proofing substance known to roofing science.

Every roll supplied with J-M CLEATS, making it easy to lay, insuring absolutely water-tight joints, and lending a very attractive appearance to any roof because it does away with unsightly cement-smeared edges and laps.



J-M ASBESTOS ROOFING and J-M ASBESTOS SHINGLES are the only other roofings, beyond J-M REGAL, you ever need consider. They cover your house and building with stone—defying fire and weather and time forever.

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Manufacturers of Asbestos Shingles; Roofing; Stucco; Pipe Coverings; Waterproofing, etc.

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COVERS THE CONTINENT

2383

M. F. Delano, Owner of Owen Farms, Vineyard Haven, Mass.

We plead guilty to having once again fallen to our desires, arriving in Boston we wired Mr. Delano seasonable greetings and received a request to come and we went without further urging. Going to Owen Farms is very much like going to a "Latest Production," there is always something new to see and to learn, and more to interest than on any other poultry plant we know of. With his five standard varieties of White and Buff Orpingtons, White Rocks, White Wyandottes and S. C. Rhode Island Reds, there is variety to satisfy most all. They are leaders and as bred here are without question the finest flock we have seen of these varieties. There is not a weak spot in them and they are in particular recommendable for their size, health or vigor. This climate seems to be particularly adapted to poultry raising for the results of proper growing and health are seen to advantage here.

In a former article we referred to their matings, but at this time and in charge of both Messrs. Delano and Davey we had a better opportunity to see and study these matings and to reason their particular worth.

Heading their matings of White Rocks we found so many noted winners that it was almost impossible to keep correct tab on each. It is a wonderful collection of quality, put together and mated with skill. In color they are absolutely white and carry ideal shape. The strong richred eyes, low set combs, snow white plumage and rich golden-yellow legs must be seen to be appreciated.

The Owen Farm White Wyandottes are stronger than usual to our notion. We have seen this line for years but never in the quality or condition they now are in, the fine shaped backs and general evenness of quality is remarkable.

The White Orpingtons have always been a feature line here and this year is no exception. Grand in size and strength, with most beautiful heads, strong combs and good eyes they show plainly unmistakable worth and value. Such matings are bound to reproduce and we do not hesitate to say that in each is found grand and good value for the prices asked.

Buff Orpingtons should be Mr. Delano's middle name, we have always known him as an admirer and judge of buff color and in his matings of Buff Orpingtons here we noted the special pride he has in them and well he may have. His flock is the largest we have seen and all through are as sound in color as can be. The clean buff tails, clean wing bows and positively sound under-color is the quality seen with size and shape very desirable.

In S. C. Reds we met our real surprise, although we knew this line's winnings well. It is very apparent here that Mr. Delano has retrenched for his matings, a royal collection in color and form. His trade in Reds has doubled and there is cause for it, judging from the matings seen he will again be heard from in this line for they are a superior line.

At this time of special interest were the 3,000 or more young seen here. We have never before seen such a lot of youngsters at this season of the year on any plant, while in numbers they were great, they were still greater in quality. Here were young cockerels crowing and both cockerels and pullets feathered out, in size and bone as well as in promise of quality they were marvels with health and vigor the outstanding feature, a lusty and charming lot to be sure.

In Mr. Delano's mating list we read

THE KIND YOU WANT

Birds that are bred right, that look right, that are right.

Wetmore's White Wyandottes

were ribbon winners at 1913 *Buffalo Show* winning 1st and 3rd Pullet, 2nd Pen and 5th Cockerel in strong competition. White Wyandottes are superior table fowl and wonderful layers. If you want choice birds to improve your strain or foundation stock, I can supply you.

C. S. WETMORE.
ABBOTT ROAD LACKAWANNA, N.Y.

the following: "I know that every one of my egg customers this year will receive more than full value for every dollar sent me and not only raise individual winners but, what is far more important, line-bred youngsters that will reproduce themselves and breed winners." After reading this statement, seeing his matings and these over 3,000 young, as we have, we are ready to say that he does not promise the half that he gives and that every buyer can send him his order with unlimited confidence.

In going through all his pens we noted that their egg laying records are kept in each pen where daily the eggs collected are recorded. These records are very interesting and we dare say that from figures taken all his pens averaged during March and April to date (fifth) between 68 and 69 per cent, which is an extraordinary record for this season of the year.

Mr. Davey is in personal charge of the young and growing stock and to him special credit is due, their condition could not be improved upon and we now believe him a "Wizard" in fact.

Mr. Delano informed us that he will raise upwards of 7,000 young this season as his business has increased to demand this number. Also after May 5th he will reduce the price on eggs for hatching and sell them without reserve at half price. Here is an item that should interest many and is open to all alike.

As usual we had a beautiful day at these farms and a royal old time visit and chicken-chatter. Things never looked better on these farms than now and from Mr. Delano down all hands are up and doing. The pursuit for more and better poultry and for more honor and awards is on, the chances seem to be most excellent.—H. P. Schwab.

—o—

Payne Brothers, Portland, Conn.

For the past two or three years we had promised ourselves a visit to Payne Brothers, breeders and specialists of Rose Comb Reds and for years prominent winners at leading shows including M. S. Garden, New York, Boston, etc., where they have made attractive records with their line, one far-famed for its reproduction qualities.

They have a practical plant in every sense of the word, one built for business and convenience and a place ideal for poultry growing. Portland is in the midst of the garden spot of the State and this section is equally famed for its poultry, fruit, tobacco and garden products. A great share of their 140 acre farm is set to peaches and affords unlimited range for the growing stock who roam at will over the entire farm.

We lately spent a day at their home and regret we hadn't called before, for there we found just the kind of a place that suits us, a plant wholly built on successful breeding that year by year has been enlarged to meet their increased demands, one handled personally by the owners who devote all their time to the poultry and wants of customers.

The matings seen here are a most desirable lot, marvelous in eveness and individual quality, they are grandly made, if we are to judge, with special breeding features outstanding.

Heading their pen one is their First



Conkey's Starting Food *for* Baby Chicks

Is a ready prepared food that supplies the right elements for proper nourishment and vigor. Its use

Makes Chicks Sturdy

Prepares and strengthens them for regular ration. Saves trouble and worry.

Lessens Leg Weakness

Guaranteed to satisfy or money back. 25 lbs. $1.65, 50 lbs. $3, 100 lbs. $5.75. Small sizes 10c, 25c, 50c and $1.

Conkey's Lice Powder

Dusted on sitting hens rids them of lice and keeps chicks free from these disease breeding pests. 10c, 25c, 50c and $1 pkgs.

The G. E. Conkey Co., Cleveland, O.



CHICKS

that will grow into prize-winners for you. Now is the time to get your chicks. Order direct from this adv. Catalog free. Here is our price—order as many as you want. Our Specialty:

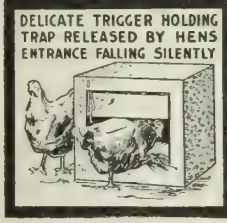
Barred Rocks and W. Leghorns

	Per 25	Per 50	Per 100
S. C. White Leghorns	$2.50	$5.00	$10.00
S. C. Brown Leghorns	2.25	4.50	9.00
Barred Plymouth Rocks	2.75	5.50	11.00
R. C. Rhode Island Reds	3.00	6.00	12.00
Broiler Chicks	2.00	4.00	8.00

Twentieth Century Hatchery

BOX 73, CHATFIELD, OHIO

MOE'S NEVER FAIL TRAP NEST

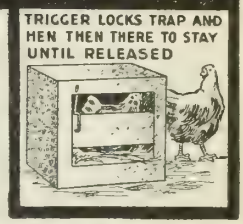


(Patent Pending)

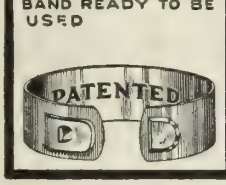
A solution of all trap nest troubles—for, as the name implies, it never fails.

Lice-proof, fully sealed back and sides, but affording plenty of air when the hen is trapped. Can be placed anywhere in the poultry house. The trap is easily removed, so that the nest can be used as an ordinary one. Set up and ready for use when shipped.

No. 33, 12x12x12 inches, complete 75c
No. 34, 12x12x14½ inches, complete $1



MOE'S SELF LOCKING LEG BAND



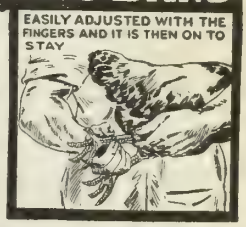
(Patented)

You simply push it together to lock it and it can only be removed by destroying the band. A sealed band that requires no sealer.

Every band has its own raised or embossed number.

12 Bands, any size 15c

Liberal Discount on Quantities



MOE'S SANITARY POULTRY DRINKING FOUNTAIN



(Patent)

The most popular fountain on the market. Fills from the top.

Dead air space keeps water cool in summer and from freezing in winter. Drinking pan now made square, which does away with spilling when hung up. Can be used for two pens at the same time. Prevents chickens from getting their wattles wet and freezing in the cold weather. Manufactured in three sizes:

No. 1, 1-gallon capacity - $1.25
No. 2, 2-gallon capacity - $1.75
No. 4, 4-gallon capacity - $2.25

Also specially constructed for ducks and pigeons.



These Are a Few of the Good Things in MOE'S LINE.

Write for complete catalog. If not at your dealer's, write us mentioning dealer's name and we will see that your wants are filled at above prices, your city.

OTIS & MOE, 2011 Otis Bldg., CHICAGO, U. S. A.

McDanell's Golden Wyandottes

Oldest and Most Reliable Strain

Over 1,000 prizes won at National Shows, and growing better every year. Let me have your inquiries. Attractive prices. **Old Homestead Farms, J. H. McDanell, Warsaw, Ky.**

BIRDS OF CLASS CLEVELAND'S S. C. BLK. MINORCAS

Winners this year at four of the big shows. Four special pens being mated for the egg trade. Write for booklet, it is free. **Elmer Cleveland, Imlay City, Mich.** Member of S. C. B. Minorca Club.

ZIMMERMAN'S R. C. REDS

Won at Cleveland, January, 1914, 1st Cock and Color Special; 2d and 3d Pullet and 5th Hen. Grand Pens mated for egg trade. Send for mating list. Mention American Poultry Journal

W. F. ZIMMERMAN - - - - WILLOUGHBY, OHIO

Kelly's Black Orpingtons

Prolific winter layers. Grand type. 1st Prize Pen at three big shows in one year (Cleveland, Buffalo, Cleveland); judged by Richard Oke, A. N. Braun and Hugh A. Rose. Our four classy breeding pens include world beaters and are mated for best results. Book orders for eggs now. Write for catalogue. When writing mention A. P. J.

GERTRUDE H. KELLY, BREEDER WILLOUGHBY, OHIO

Rural Ridge White Rock Farm

Winners at Pittsburgh, Pa., February, 1914

In a large, strong class I won Cock 4, Hen 1, Cockerel 3, Pullet 1st. At the Pittsburgh Expo. Show, Jan. 1914, I won Hen 1-5, Pen 4th, in class of 17 birds. Stock For Sale. Eggs for Hatching. My birds have bone and size, are white and bred for great layers. Circular free.

C. W. VOSKAMP 3rd and Ferry Sts., PITTSBURGH, PA.

Clean Grit That Grinds Sharp

Fill your hoppers with our pure, hard flint rock with the sharpest of edges. Is washed thoroughly and screened so there is no waste.

Made in three grades—No. 1, grown chickens; No. 2, young chickens, and No. 3, baby chicks.

If your dealer cannot supply you, send us his name and we will ship you either grade at 50c per cwt., 200-pound lots. Write us today.

INDEPENDENT GRAVEL COMPANY

Webb City, Mo. Box 387 — Joplin, Mo. Box 70

Sanitary **Economical**

Poley's World's Best Buff Rocks

Again Win First Display at Madison Square Garden, N. Y. Dec. 1913

By winning 1st Cockerel, 1st and 4th Pens, 2nd Pullet, 3rd Hen and shape and color specials. Stock and Eggs always for sale. Write for 1914 mating list.

LINFIELD POULTRY FARM John W. Poley, Prop. LINFIELD, PA.

Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, half price now. Write for mating list.

Harry Cass -:- Buffalo Hart, Illinois

4S STRAIN FORDHAM FARM

BELMAR, NEW JERSEY

Light Brahmas — Won 1st Pen, Madison Square Garden
Pekin Ducks — Won 1st Cock.
Exhibition and Utility Stock — Won 1st, 2nd, 3rd, 4th, 5th Hens.
Dutch Belted Cattle — Won 1st Cockerel
Jersey Red Pigs — Monmouth Poultry Club.

E. J. STROUD, Owner

Wendler's BARRED ROCKS COLUMBIAN WYANDOTTES BLACK ORPINGTONS

Last month I told you of my remarkable winning record both at Madison Square Garden and at the leading southern shows, but this is not all that my birds are famous for, for they are without a doubt the greatest layers of their respective varieties in the country today. I started breeding Columbian Wyandottes 5 years ago after having perfected the greatest laying strain of Barred Rocks in the South, but did not offer a bird for sale until last year; neither did I offer any eggs, as I wanted to trapnest these and develop an equally heavy laying strain in Columbian Wyandottes, but now I can offer you eggs or stock of either Black Orpingtons, Columbian Wyandottes and Barred Rocks that win and lay. Eggs, $5.00 per setting. Circular free. Your money's worth or your money back.

J. H. WENDLER, LAKELAND, FLA.

prize M. S. Garden, New York, pen cockerel, a male of grandest form, select head and very even rich color, under specially strong, red and sound, wings as good as we expect to see. Pen two, an unplaced New York beauty and to our notion, one of exceptional quality, we liked his shape, color and carriage. Head and comb very fine, wings extra, eyes flaming red, a general make-up that must be quality in its best grade. Pen three, another winner and beauty cock with the best of lines and rich even color. The females in these pens are also a select lot and number among them their winers at New York, New Haven, etc. A complete list of all is given in their mating list.

Other pens were seen here of special worth and we were pleasantly surprised to see these and to know the prices for which their eggs are sold. They have select, even quality, fine heads and are sure to produce fine stock and I would not be surprised if some rare fine birds are bred from these pens as they also contain their best blood lines.

The particular features noted here were the exceptionally fine heads of all the birds and the evenness of color in males and females. The females in neck color are very strong and even, it is same shade as back and body, very sound and rich. Neither males or females are extremes, the color is rich and deep, but brilliant red all the time.

It was a fine flock, sound and dependable and we felt our time well spent in visiting him and will hope to come again. Their mating list tells their story exactly and is free for the asking.—H. P. Schwab.

———o———

"Royal Blue" Barred Plymouth Rocks.

A trip through the East and among the New England breeders would be very incomplete without a visit to Lancaster, Mass., made famous in the poultry world by Mr. A. C. Hawkins and his line of "Royal Blue" Barred Plymouth Rocks.

While we consider Mr. Hawkins still a young man and in the prime of life, he has been breeding so many years that he can well be considered one of our oldest and most valued breeders whose work for standard-bred poultry has been a life-work and a beautifying example of success and poultry possibilities.

We have before us at this time a circular and mating list issued by Mr. Hawkins in 1879, and from that to this day he has been known and recognized as a champion of Barred Rocks and a leader among the breeders of the world. In those days of 35 years ago the Barred Rocks were making their reputation that was to lead them on to the position of highest merit, a place they have ever held, thanks to Mr. Hawkins and a few more like him who recognized their quality and gave to them, by study and breeding, advantage to show at their true worth.

In this list Mr. Hawkins describes four (4) matings and offers eggs for hatching from $2 to $5 per setting. What a change time has made, for now from a flock of four pens we find on his place a great and grand collection of birds that have been prominent winners and have been bred from this line that has a winning record over 35 years long. This record has been brought right down to date by his clean-up-sweep at the last Chicago Show, December, 1913, when he won in a class of 254 Barred Rocks, cock, 1-5; cockerels, 1-3; pullet, 1; pullet-bred cocks, 1-2; pullet-bred cockerels, 1-3; cockerel-mating pen, 1; pullet-mating pen, 2; championship specials for best female and for best male. Best display, best shaped and colored male and female, and several other special prizes completing a record superior to any ever made at this Great Western Show. In December, 1912, Mr. Hawkins made a similar record winning four (4) first prizes and a basket of specials including the $100 silver cup for best display. These records were made at the end of a trip of over 1,000 miles and at the great show of the west in banner classes.

Mr. Hawkins' matings this season are a very select lot and to our notion the best we have seen on his place. For years we have paid him an annual visit and at all times found their matings of quality and value. Here are mated his Chicago and New York winners, birds that have been seen by thousands who knew their worth and promise much for the future. The females used are of the line and quality that have produced his winners for years in cockerel and pullet matings and will again, as now mated, produce desired results.

While we greatly admire the winner's mated hen, we saw two (2) exhibition cockerels heading pens that have never

been shown, they were very late hatched birds and are just finished and at their best. In shape and color they are very superior and this just goes to show that the large breeders can't show all their best birds, but we see them on our trip round and like to make special mention of such birds and facts.

Mr. Hawkins this year has his pullet line equally strong and we noted several matings of extreme quality. The males show exceptional lines and very clean cut barring, with as good heads as we have seen.

A line of this character and quality needs no booming by us. It has been before the public too long and they know its records and value best. It is a line in which the breeders have confidence, now as 35 years ago.

The friends of Mr. Hawkins have nominated him for a member of the Executive Board of the American Poultry Association and we hope for his election. He is one of the oldest members of the association, a life-long poultryman, well posted on its needs and his election would be proper recognition where credit is due.—H. P. Schwab.

———o———

Arthur G. Duston, South Framingham, Mass.

The people who know, well claim that Mr. Arthur G. Duston has done more for the White Wyandottes than any other man. While this is a big statement to make and carries with it much prestige, we still believe it true and hope he may reap all the advantage possible from his chosen work and noble calling. Almost as far back as we can remember, the name of Duston has been linked with White Wyandottes and for about 20 years we have come in contact with this line at hundreds of shows. Mr. Duston, backed by his faith in the variety, has been their champion and unrelenting booster. From their grand natural qualities he has always obtained paying results and on these results he has based all his claims and has more than done one man's share to make the White Wyandotte what it is today, "one of our best and most valuable varieties."

After the above, the reader, of course, will expect me to further boom this line, and to give glowing accounts of his stock and matings. This is also true, and were I to fail in this I would be guilty of most flagrant neglect of duty. I have been at Mr. Duston's yards several times during the past 10 years and am free to say, without fear of contradiction, that he has this year a greater and far better line of birds and matings than ever before, for evenness and general high-grade quality. They are very superior, a rare grand lot. His matings are small, select, and full of greatest promise.

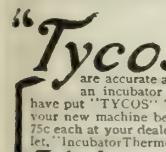
Mr. Duston's royal winnings at the late M. S. Garden, New York Show, is a worthy climax to his years of breeding and exhibiting, and his record there for all these years is the history of the varieties' progress, a consistent winner and a consistent breeder. The matings, as seen here, are a marvelous lot. Males, his greatest winners and their lines, females selected with rare skill, even in shape, correct in style and carriage and of the purest color possible with feature points in their neat combs and flaming red eyes. If we were to follow our notes we would have to describe each pen with same ideal uniformity and quality and with same features, for they are alike and a most charming lot.

Mr. Duston will reduce the price of eggs May 10th and insure to all cus-

"Tycos" Incubator Thermometers

are accurate and dependable. Don't risk eggs in an incubator or chicks in a brooder until you have put "TYCOS" Thermometers on guard. Insist that your new machine be equipped with "TYCOS". Price, 75c each at your dealer or from us. Write today for booklet, "Incubator Thermometer Facts Worth Knowing", Free.

Taylor Instrument Companies Rochester, N. Y.



"F.P.C. Chick Manna"

A complete prepared food for little chicks, turkeys, etc. *Introduced 1884.* The first chick food on the market and recognized everywhere as the best. Brings chicks safely through critical first ten days. *"Chicks like it and thrive on it." Ask your dealer for it.*

Special Trial Offer by Parcel Post. introductory offer to ship 1-lb., 5-lb. or a 15-lb. package, postpaid by mail. Send for free circulars of *"F.P.C." Poultry Foods and Supplies.*

F. P. Cassel & Son. A-3 Lansdale, Pa.

Its a good one boys, on page 774

S. C. REDS

OUR REDS are bred from NEW YORK and BOSTON winners. They have the dark, rich red color and the correct shape. If you wish quality and at fair prices, write me.

H. D. BRINSER - SOUTH RICHMOND, VIRGINIA

Quality White Rocks

Remember our winnings at CINCINNATI, NASHVILLE and INDIANAPOLIS. Eggs a Specialty. $10, $7.50, $5 for 15 eggs from selected matings. Utility, $5 per one hundred, $2 for 15 or $3 for 30. Hens and cockerels for sale.

F. L. Deer Route 1 Franklin, Indiana

COLUMBIAN WYANDOTTES

My birds won more first, second and third prizes at Chicago, Minneapolis, St. Paul and Minnesota State Fair during the last three years than all my competitors combined. When writing mention American Poultry Journal.

Geo. A. Kersten Washburn Park, Minneapolis, Minn.

"Sunburst" Buff Plymouth Rocks

America's Champion Winning Strain

At Cleveland, O., Club Show we won—Pen 1st, cockerel 1st, hen 5th, pullet 1st, and best display.
At Beaver State Club Show we won—All five first prizes.
Our Display at Both Pittsburgh Shows were the sensation of the show.

STOCK FOR SALE. EGGS FROM CHOICEST MATINGS. LIST FREE.

VIERHELLER BROS., 17 Sylvania St., Pittsburgh, Pennsylvania



J. W. PARKS' STRAIN

BRED-TO-LAY

BARRED PLYMOUTH ROCKS

24 "Liberty Bill" sons and daughters in my breeding pens this year for the Egg trade. Circular free. : : : 24

Eggs, $2 per 15; $4 per 50; $7.50 per 100
From selected matings, $3 per doz. straight

O. F. MITTENDORFF : BOX F : LINCOLN, ILLINOIS

Single Comb White Leghorns Exclusively

D. W. YOUNG'S STRAIN

The finest in the World. Bred for their great winter laying qualities. Milk fed. Over 2,000 layers on free farm range. Largest plant of high class breeders in the world. At farmers' prices. Eggs for hatching now ready in any quantity at $6.00 per 100, no order too large. Baby chicks $12.00 per 100, capacity 6,000 weekly. Now booking orders for March and April delivery.

My book, "Profits in Poultry Keeping Solved" shows where the money is, price $1.00. 5th edition given free with all $10.00 orders. Satisfaction guaranteed. Descriptive circulars free.

Edgar Briggs Box 144 Pleasant Valley, N. Y.

CHRISTIE'S

S. C. White and Brown Leghorns

Having been bred for over 14 consecutive years, represented all over the world, they stand today without an equal as egg producers, the foundation upon which all branches of the poultry industry hinge. We have been shipping our

S. C. White and Brown Leghorn Day-Old Chicks and Eggs for Hatching

to all parts of the United States and foreign countries for ten years, and during this time we have shipped over 1,000,000 chicks and 800,000 eggs for hatching, and we have yet to find one displeased customer, a record attained by very few. Before placing your order, write today for our illustrated catalogue, and read what thousands of our pleased patrons say in regard to the **World's Greatest Layers.**

"Better Be Right Than Sorry"

S. C. White and Brown Leghorn Chicks, $15 per 100

WAYNE POULTRY FARM F. W. CHRISTIE, Prop. Box 71, STONY POINT, N. Y.

43 Varieties

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.

MISSOURI SQUAB CO. Dept. R KIRKWOOD, MO.

Champion Buff Minorca Pullet



HOBBS' BUFF MINORCAS

Latest standard variety and coming breed.

ALSO BUFF ORPINGTON DUCKS

Catalog free. Address

O. K. HOBBS, Specialist - Hickory Grove, Kentucky

BARRED PLYMOUTH **ROCKS**



210 Eggs in 259 Days

This was the official record made by one of the females in our pen at the International Egg Laying Contest at Storr's Agricultural College last year. Our five birds in this pen made a record of 836 eggs in 9 months and 11 days of actual laying. Eggs for hatching. Send for catalogue.

MAPLE GRANGE POUL. YARDS
S. M. GOUCHER, MOORESTOWN, N. J.

S. and R.C. Rhode Island Reds and Silver and Golden Campines

After a season of four months' showing at Madison Square Garden, Grand Central Palace, Pittsburgh, Baltimore, Philadelphia, Allentown and Hagerstown, we have a grand total of the following winnings:

47 Firsts 31 Seconds 16 Thirds
13 Fourths 6 Fifths

Orders for stock and hatching eggs from these winners now being booked. Write today for free illustrated mating list.

SCHENLEY HEIGHTS POULTRY FARM
C. F. RANKIN, Prop.
1202 COMMONWEALTH BLDG. PITTSBURGH, PA.

THE "Maryland" STRAIN

Walden's Barred Rocks

Win at Baltimore, Md., 1914

First Prize Hen and Shape Female and Second and Fourth Pullets

The Pullet Bred Line a Specialty

My birds have won this year also at Philadelphia, Williamsport, Pittsburgh, Hagerstown, etc. For years they have won at leading shows. If you are interested in Quality **My Maryland Strain** will interest you.

My New Catalogue for the Asking

It gives you full and complete information of my line with prices, etc. Eggs for hatching from selected pens containing all my winners. Write me your wants today.

R. J. WALDEN Box A MIDDLEBURG, MARYLAND

tomers a double bargain in this, and will also a little later offer special prices on a share of his breeding stock. In considering this line don't overlook its line-breeding value which should at all times receive first consideration from the buyers. A line that has been bred for generations for practical worth as this one has, carries with it the best of assurance for future success.—H. P. Schwab.

Harold Tompkins, Concord, Mass.

If breeding counts, then Mr. Harold Tompkins should prove to be among the best of Rhode Island Red breeders for his father is the famed Lester Tompkins and his grandfather also was a leading breeder and the founder of this, if not the first, at least one of the first strains of Rhode Island Reds bred.

This was our first visit to his home, and it has done us good, for we expect to go again. Here is an illustration in fact how to succeed with poultry, and this plan and plant has been built from the ground up as progress has been made. It is a practical plant, built for practical results, the buildings are light and airy, also tight and warm with curtain fronts and the stock in quality and general condition of health and vigor all we could ask for.

Mr. Tompkins breeds both Single and Rose Comb Reds and in each has selected matings made with care that should produce results. In the Single Combs there are eight matings all told, most of them headed by winning males. Pen One by first pen cockerel, Boston, Jan., 1913, and Pen Two by first pen cockerel, Boston, Jan., 1914. Here are two matings of special worth, grandly made, the females an extra lot and in these we were shown several old hens that are today rich in color, particularly good under and of the best of type, such stock is worth its weight in gold many times over. The other matings were close up, very even in feather and of beauty type, heads and eyes good.

In Rose Combs the males used are mainly winners and have won their honors at New York, Boston, New Haven, Conn., Portland, Me., etc. In type they have the same general form that is found in the best of the Single Combs, grand long bodies, fine heads and the same rich and sound color. His Pen One Male, winning first at New Haven, has a beautiful head and is a marvel in color surface and under. The third prize, M. S. Garden, New York, pen cockerel heads Pen Two, he is now improved a hundred per cent over his show condition, and the same applies also to his third Boston cockerel. The females fashion up grand and are a treat to see. There are many noted winners back to four years ago among them in his first prize New Haven pullet that also won special for best shape and color.

Mr. Tompkins is sold pretty close on stock, having had a very deservedly large trade and only having a few good cockerels left over, shortly he will also offer a few of his breeders for sale.

From May 10th he will sell eggs at half price and it will be well for the breeders to remember this. We consider them well worth all he now asks for them at any time. His mating list giving all particulars and descriptions of his matings, write him today and always mention American Poultry Journal.—H. P. Schwab.

Joe-Pye, Buff Orpingtons.

On our trip through the East this spring we have had the pleasure of visiting several plants we had never seen before, and have just begun to realize what we have missed. The Joe-Pye Orpington Farm, at South Norwalk, Conn., is one of the finest and best adapted poultry plants we have ever seen. Here are close to 25 acres of land just as made by the Creator, with its hills and valleys, its ridges, bubbling brooks, stones and trees, majestic and beautiful, it is nature at its best. The moss-covered rugged peaks of the gigantic stones from whose creeks and cracks the dwarf evergreens grow, the stately Chestnut and sturdy Hickorys that abound here, all have a part and a purpose, and each a share in the love we find in nature.

Here and there scattered over the hills are the chick coops where the mother hens have their flocks to roam at will and all about are the colony houses for future use. Down the hill are the breeding houses and parks for the breeders and to the right the cockerel house and

conditioning pens, the plant is complete, well built and comfortable.

To Buff Orpington breeders the record of this line is well known, their winnings at both New York Shows, Boston, New Haven, etc., is known by all, it is one of consistent and convincing value that dates from today back several years. Here was again seen the greatest Buff Orpington winner that ever lived, for if memory serves us rightly he has won three (3) first prizes at the M. S. Garden, New York, Show alone. The "Old Champion" seems as good as ever. His color is marvelous for eveness and soundness today, but his own record is nothing to be compared to what birds of his breeding have won, all goes to show that he is great, both in individual quality and as a breeder.

"Joey," a cock winner at the Garden and Palace, N. Y., also at Boston, heads pen One and "Titian" first prize winner at both the Garden and Palace heads pen Two, with "Golden Glow," a Boston and Gorden winner heads pen Three, forming a trio of wonderous beauty. Buff of the soundest and evenest is theirs and in shape and style true Orpington. We were facinated by these matings and their general quality. Females are also of same grade and commendable for form and color. Other matings seen here are close up, the average we thought extra high and the condition and health of the birds of the very best.

Many chicks were seen here from the day-old to some all feathered and they show their quality well in good bone, health and color.

Mr. Harry Stacey Benton, the owner, is an artist and designer and has built his studio up on the hill of uncut stone along original ideas, we hope to show a picture of this. He is a royal fancier, devoted to his poultry and a man it is good to meet at all times. His poultryman, Mr. Wm. Hobbs, has long been considered one of the best posted Orpington men in this country, he originally was with the elder Wm. Cook, in England, and knows them from their first, his work here along with that of Mr. Benton, is evident, both are color experts and they have shown that they know how to mix them. Their mating list is free for the asking.—H. P. Schwab.

Single and Rose Comb R. I. Reds.

The home and yards of the United Breeders (Inc.) at South Braintree, Mass., was found to be one of the largest and liveliest places we have visited to date, all was hustle and all with a definite plan and purpose. We admit they surprised us for we had no real idea of the size of their plant, quality of stock, or of their complete capacity. But, here we found a mammoth plant, ideal in location and arrangement and most evidently run on positive up-to-date business lines, a plant whose influences presages much for poultry interests.

While it is true that we have seen their birds at the shows and particularly at New York and Boston where they were consistent winners, we did not, nor could we comprehend what in reality was back of them, and at their home. This must be seen as I have seen it to fully grasp it all.

Their mating list gives a full and complete record of all their matings and for this we would refer the reader to their list, for anything short of a complete review would not do their matings full justice. We here will just review a few special notes as the birds struck us.

SINGLE COMB REDS.

In their matings were a great line of noted winners, both males and females with a quality of color surprising in even surface and rich under. Shape and size a feature of all males and very fine heads with exceptionally fine red eyes. We handled many of these and particularly noted their even and all-over good quality, and when we consider the lines and blood values had here, we can then best comprehend their worth. Wings and tails have always been an important feature of Reds, and no doubt Mr. Bean and his associates here are fully aware of this, for we failed to see where those sections could be much improved. The females are of equal worth and to our mind seemed grandly mated.

ROSE COMB REDS.

While we are just a little partial to the Single Combs, Rose Combs of the general quality seen here are just as admirable, we must now admit. These matings bore the stamp of superior quality just as well as the Single Comb in shape and color surface and under, wings, tails, etc. We handled male in Pen One and could not find a weak feather in him. He

SILVER WYANDOTTES **WHITE PLYMOUTH ROCKS**

Winners in the leading shows of the middle-west. A few birds of extra quality for sale. My first pen of Silver Wyandottes is headed by Silver King, undefeated champion in strong competition, at five of the best shows ever held in Illinois. Eggs from specialy mated pens, $5.00, $4.00 and $3.00 for fifteen, book your order early, will only furnish a limited number of settings. Mention American Poultry Journal.

J. A. Barnes **R. R. 7** **Decatur, Illinois**

BABCOCKS BABY CHICKS



White Rocks, S. C. White Leghorns, White Runner Ducks. Capacity 100,000 annually. Vitality Chicks and Ducklings $10.00 per 100 and up. Eggs $5.00 per 100 and up.

Fine Illustrated Catalogue Free.

BABCOCK POULTRY FARM, Box P, Fredonia, N. Y.



Send For Our Catalog

It explains the Schwalge System of Hot Air Mammoth Incubator Sections. It will show you the most practical modern method of incubation.

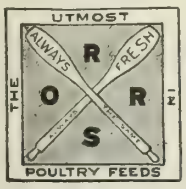
This machine has been thoroughly tested and tried in the experimental stage and one of them hatched over 5,000 duck eggs last season.

SCHWALGE BROS. & SMITH, Box 100, Elmhurst, Ill.

Miss Hooker's Orpingtons, Buffs and Blues

At Springfield, Mass., in December, 1913, Mr. Richard Oke judging, 175 Buff Orpingtons and 43 Blues competing, my birds won the Display Special in both classes. This included the State Cup in Buffs and many other specials.
At Madison Square Garden this year, my winnings were 1st and 2nd hen, 3d pullet and 2nd pen in Buffs; 2nd and 5th hens in Blues. Illustrated mating list free. **Eggs** cheaper, for quality of stock than from any other U. S. breeder. $3 to $20 for 15 eggs.

Henrietta E. Hooker -:- -:- **South Hadley, Massachusetts**



Orr's Special Chick Feed

Used by such men as D. W. Young; H. J. Fiske; D. J. Lambert, E. B. Thompson; Est. J. P. Morgan; Est. E. H. Harriman, and many others. Don't ruin the baby chicks with an inferior chick feed. We guarantee every particle; it is sound, sweet and palatable; will not get musty or sour. **It's always fresh.** You cannot raise the best strong, hardy chicks without **Orr's Chick Feed.** Our **mash, scratch** and **growing feeds** are the best made. **Old white cracked corn** one of our specialties. Send for booklet free; also price list.

WM. ORR & SONS **Box 5** **ORR'S MILLS, NEW YORK**

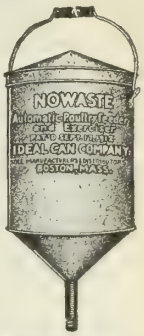
"Ideal" Poultry Appliances

Automatic Feeder and Exerciser

The only Feeder that fowls must make a real effort to operate

Can be adjusted to feed any quantity desired.
Satisfaction guaranteed if directions are followed, or money refunded.

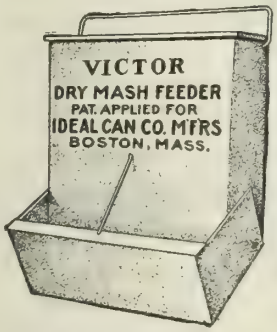
Price—8-qt., $1.50; 16-qt., $2; 32-qt., $3.



The Fount with All the Good Features

1. Will not splash water when being filled.
2. Large watering space.
3. Universal for all ages and kinds of poultry.
4. Easily filled and cleaned.
5. Birds can not perch on top, therefore fount is positively sanitary.

Price—5 qt., 60c; 8 qt., 80c.



Dry Food Hopper

with all the essential features. Largest size on the market for the money. Holds over 9 quarts.

Clog proof as near as mechanical science can make it. Adjustable to any flow of grain desired.

It's larger size and low retail price gives it preference over ordinary grit feeders. **Price 75 cents.**

If your Grain, Poultry Supply or Hardware Dealer will not supply you, we will. Express paid.

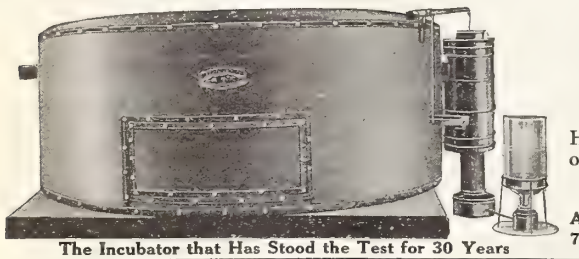


IDEAL CAN CO., Sole Manufacturers

147 North Washington Street -:- **Boston, Massachusetts**

RILEY'S R.C. REDS win all cups and specials for best display at Buffalo, Rochester and Jamestown, 1913-14. Some of this blood will help you do the trick.

C. E. RILEY, 749 Fillmore Street, Buffalo, N. Y.



The Incubator that Has Stood the Test for 30 Years

AXFORD
Round
Incubators

Hatch more strong, vigorous chicks than any other.

Write for Catalog today—it will please you.

Axford Mammoth Hatchery
729 E. 45th St., Chicago, Ill.

STANDARD LINE BRED S. C. W. LEGHORNS EXCLUSIVELY

Chicago Show, 1914 Easling Wins

In the largest class at the show, ALL SPECIALS, SILVER CUP for best display and TEN regular FIRST, SECOND, THIRD and FOURTH PRIZES on my entry of fifteen birds.

My New Policy Is a Winner

UNDER my new policy the cream of the place will be confined to only six pens. Over half of the birds in these pens are actual winners at Chicago and Louisville.

Special Prices on Eggs and Chicks for May, June and July

Eggs

FROM
FIRST PRIZE
Chicago
Winners
$3.00
Per Fifteen



Chicks

FROM
FIRST PRIZE
Chicago
Winners
$6.00
Per Dozen

1st Prize Cockerel, Chicago, 1914

Special Stock Sale June 1st, 1914

After this date until sold, I will offer twelve good breeding hens and one yearling cock bird or cockerel for $20.00. Orders may be booked now in advance.

Eggs from Second and Third Prize Birds for incubators at $6.00 per 100. Day Old Chicks $15.00 per 100.

Have You Ever Heard of Parkside Poultry Farm?

Parkside Farm is not a rich man's hobby. It is a place where prize winners are bred, hatched, raised and sold to people who cannot raise such birds.

I have won more prizes at Chicago in the last seven years than all my competitors combined.

My Catalogue is Free.

THE PARKSIDE POULTRY FARM

N. P. Easling, Prop. - Box 40 - Pekin, Illinois

is a most admirable specimen and close up we must admit with several others Females averaged very good and combs extra fine, their long bodies and splendid carriage was all we could expect.

Several pens seen here headed by unshown birds took our fancy. They have the same quality in both combs and we feel that beautiful results will be had from these matings. On our round we carried their mating list and feel we owe special mention to this as it is exact, just as the matings stand, every interested breeder should have this, it's free.

We hope to visit their farms again when a more complete mention can be had, for we feel that they deserve all the good that can come to them.—H. P. Schwab.

———o———

Eastern Breeders' Notes.

BY H. P. SCHWAB.

The breeders of the East are having a successful season. Egg orders are larger and better than for three years. Our trip among them has been most pleasing for we have seen quality and number in excess to previous seasons.

Orr's Special Chick Feed is in general use and gives satisfactory results. Breeders seen have all spoken highly of it. Address Wm. Orr & Sons, Box 5, Orr's Mills, N. Y.

Ellis S. Shelly, Williamsburg, Pa., breeder of S. C. Reds, made a grand win at Pittsburg Show, February, 1914. His mating list is just at hand. His season's winnings include also New York Palace Show, Cleveland, Altoona and the Pittsburg Expo Show. Write for his mating list.

Chas. Nixon, Washington, N. J., judge and breeder of White Wyandottes, has a beauty flock of birds. He knows the desired quality and how to get it. He will shortly have a few selected breeders to sell. Write him.

If interested in Single or Rose Comb Reds, write Harold Tompkins, Concord, Mass. He can well supply your wants.

Fairfield Poultry Farm, Fairton, N. J., now make special offer on choice breeding stock in White Rocks. This line is a leader and has won consistently for years at Allentown, Baltimore, Philadelphia, etc.

This is about the season to buy eggs at reduced prices, also to buy breeders. Write those in whom you are particularly interested and improve your stock.

J. W. Parks, Altoona, Pa., breeds Bred-to-Lay Barred Plymouth Rocks of national reputation. They are line bred practical birds that have given best of results for years.

We know of a leading line of Blue Orpingtons for sale; one we can recommend. For further particulars, if interested, address me.

Also a famous line of Barred Plymouth Rocks that can be bought outright.

Fiske's S. C. White Leghorns are leaders. On his new farm and with increased facilities he is able to better supply his trade than ever before. Address Harlo J. Fiske, 891 Westfield St., West Springfield, Mass.

For Baby Chix and Dux address W. R. Curtiss & Co., Ransomville, N. Y. There is no larger or better line or plant in the world.

C. H. Welles, Stratford, Conn., breeder of the "Famous" Fluffy-Ruffles Barred Rocks, the line with winning quality, offers eggs at half price from May 10th on. Better look into this, they are the kind to breed.

———o———

Lebanon, Kan., March 17, 1914.

The H. I. Company, Salem, Va.

Gentlemen: Right willingly do I send my $1 for the trial bottle along with an extra $1 for another. It has converted me that it is all you claim for it, and I have given it the trial. It certainly is a wonderful remedy. As a preventive, its possibilities cannot be realized by one who has never used it.

"Oculum" will put health in your flock and it will always be handy around my American Beauty Barred and Buff Rock yards.

Thank you for your favor and trust. I shall certainly recommend it.

Yours very truly,
W. H. Wright.

Among Our Advertisers.

If you are interested in White Plymouth Rocks or White Indian Runner Ducks, it will be to your advantage to write to J. H. Lynch, Route 7, Opdyke, Ill. Mr. Lynch's yards consist of forty acres and he allows his flocks free range, thus insuring strong, healthy birds. He is one of the old-line breeders and raises both general purpose and utility stock. No matter what your wants may be in these two types of fowls, Mr. Lynch can serve you.

A very attractive mating list is being sent out by that well-known Houdan breeder, J. L. Metzler, of Findlay, Ohio. If you will recall it was one of Mr. Metzler's cockerels that captured the blue ribbon at the 1914 Boston show. Write for this mating list, it tells you all about these birds, their record and prices for both stock and eggs.

One more useful article has been added to Moe's already well-known line of high-class poultry appliances. The Otis & Moe Manufacturing Company, Otis Building, Chicago, have purchased the patent, business and good will of the Regal Egg Carrier, formerly owned by B. W. Plane, of Belvidere, Ill. This "safety first" box is adapted to either parcel post or express use, and can be used time after time. At a recent poultry show, one selected at random was filled with eggs, securely tied, then thrown to the ceiling and allowed to drop repeatedly on the floor, tossed from one end of the room to the other, and as a final test a plank was laid over the top of the box and three men stood on the plank, allowing their whole weight to rest thereon; the box was then opened, with the result that not one egg was broken.

A. C. Hawkins, of Lancaster, Mass., well-known and popular breeder of the Royal Blue strain of Barred Rocks, has just issued his 1914 catalog, which tells the history of his fowls for the show season just ended. Mr. Hawkins is one of the old school and has been a breeder for thirty-five years, which is proof that he satisfies his customers. He also breeds White Plymouth Rocks. Write for catalog and prices.

A very attractive catalog, up-to-the-minute in every respect, is being sent out by the Rancocas Farm, of Brown's Mills, N. J. No matter what one of the large shows you attend you are sure to find the S. C. White Leghorns and White Plymouth Rocks of the Rancocas Farm among the exhibits, and also the winners. They have a wonderful farm, and the person who pays this farm a visit finds it time and money well spent. Write to their manager, Mr. L. Chapman, asking for catalog and prices. Address Rancocas Farm, Brown's Mills, N. J.

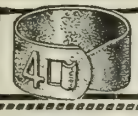
Authorities pronounce Jacobus—Ja-Co-Bus, Campines—Kam-Peens and Jacobus Campines—O. K. That is the story contained in the catalog just issued by that Campine expert, M. R. Jacobus, of Ridgefield, N. J. It tells its own story fully and complete. Write for a copy.

A machine that can be very profitably used by a poultry raiser is the hand-grinding mill manufactured by Stover Mfg. Co., Freeport, Ill. The chief advantage of a machine of this kind is that it can be adjusted for grinding very small meal or mash for small chicks or corn can be merely cracked for feed for the larger chickens, and an owner can grind up in a few minutes enough feed to last him several days, thereby getting the advantage of always feeding nice fresh grain. This company also manufactures a larger size feed mill and Samson windmills, with which fresh water may be supplied to the home and for stock. They will gladly send printed matter covering anything of their manufacture.

J. Fred N. Kennedy, the Golden and Silver Campine breeder of Birch Cliff, Ont., Canada, writes us: "This season so far has proven exceptionally good, the orders for eggs for hatching have been beyond my expectations. In fact, by the 15th of February this year I had just double the orders booked for eggs for hatching that I had last year in the same time. My last season's egg orders amounted to over $6,000. The demand for stock has been far greater than the supply; during the past 12 months I have shipped over 1,000 Campines, and since the first of March I have had to return money and turn down orders for stock amounting to over $1,500. I have already a number of orders booked for stock for shipment after June 1, both young and old." Mr. Kennedy has just issued a beautiful catalog that is bound to prove valuable if you are interested in Campines.

Spraying is not a question of why, but

Did you read page 774? Do it now



THIS IS THE ALUMINUM "CONVENIENT" LEG BAND
Note the strong, secure fastener, so simple and complete—the number is not stamped in, but raised OUT—plain, readable—can't get full of dirt. Reaches you already bent in shape ready to put on—12 bands 20c; 30 for 45c; 60 for 75c; 100 for $1.00. Sample Free—
H. O. SHAW, Box 103, GRINNELL, IOWA



Ship Day Old Chicks in This Safe Box

We ship thousands of baby chicks each season from *Tywacana Farms* to all parts of the country in the strong but light and compact

Wright Box
THE RIGHT BOX

The most satisfactory box for shipping chicks. It has adjustable ventilating regulator which meets varying weather conditions more satisfactorily than any other device. Chicks do not trample, smother or get chilled. Made of double, reinforced corrugated cardboard—it is

Strong—Simple—Safe—Sanitary



The New Wright Egg Box is the strongest and lightest package for shipping hatching eggs or fresh table eggs. Easy to pack—each egg has absolute protection—cannot shake or jar. Both chick and egg boxes are shipped to you flat and are easily set up and packed for shipment to your customers.

Write today for Free Booklet describing The Wright Boxes for shipping chicks and eggs.



TYWACANA FARMS POULTRY CO.
A. E. Wright, Supt. Box 53 Farmingdale, Long Island, N.Y.

Keep Chicks Growing Fast



The International Sanitary Hover gives them reliable *overhead warmth and constant fresh air.* Circular—no corners for crowding or smothering. Made of metal; cannot burn, break or warp. Heavily insulated, and warmest at the curtain. To set it up you simply light the lamp and set it down—no holes to cut or platforms to build. Can be used anywhere, even in a dry-goods box. Weighs 30 pounds, easily moved. Capacity 100 chicks—nearly 200 square inches more hovering space than ordinary hovers. Used on world's largest poultry farm and by successful poultrymen in every state. **Price $8.50, complete.**

6 in 1 Exerciser Feeder

Saves grain and labor and keeps your fowls healthy by making them work for their food. The 6 in 1 Exerciser Feeder is a large metal hopper on strong iron legs. Large central compartment holds grain that the birds scatter in the litter, by working the agitator. Six other compartments are for dry mash, grit, beef scrap, shell, etc. Makes all other feeding devices unnecessary. It is clean and prevents wasting feed. Fill it in the morning and fowls feed themselves. Increases poultry profits wherever it is used. **Price: 40-quart, $4.75; 20-quart, $3.75.**



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Send your name now for the catalogue that tells you how to make more money through improved methods of hatching, raising and feeding. Valuable to every poultryman. Ask for the name of the dealer nearest to you.

HOVER INCUBATOR MFG. CO.
Box 611,
BROWNS MILLS, N. J.

Dealers In United States and Canada

when, what materials to use and how and with which machines to apply them. Spray bulletins and calendars are issued by National and State Agricultural Departments giving complete details for each section. Which sprayer depends on the size and kind of job. Bateman Mfg. Co. offer in the "Iron Age" line of sprayers a real choice to suit your exact needs. More than this, their's is a unit line, one that can be built up in certain parts, to larger uses, for future growth. The line includes hand, bucket, knapsack, 20 and 50-gallon horizontal barrel sprayers, 50-gallon vertical barrel sprayers, 50, 100, 150 and 250-gallon power sprayers and traction sprayers for row crops—about 70 styles and combinations to suit any possible use that you may have for a sprayer. "Iron Age" quality speaks for itself, an old established line of implements for farm, garden and orchard. They have an interesting "Spray" booklet and a spray calendar that are free for the asking. Address Bateman Mfg. Co., Grenloch, N. J.

Back to the soil. We hear the slogan on every hand nowadays. In some quarters the idea has assumed the proportions of a hobby, if indeed it cannot be called a passion. As the knowledge of the physical being and its needs has increased; as life in the modern cities has grown more and more complex; and the struggle for livelihood becomes keener and ever more serious, the thought of the pure air of the country, the vision of verdure-clad hills and alluring vales, the freedom offered from nerve-racking hustle and bustle in the crowded marts of trade, all make a strong appeal which gathers ever-increasing force as the thought takes hold of a man. And one of the chief factors in the present-day attractiveness of farm life is the comparative ease of tilling the soil to what the old-time laborious methods used to entail. This ease of cultivation has been brought about by the Planet Jr. implements to such an extent that farming and gardening have come to be among the most profitable as well as the most healthful of occupations. A 72 page illustrated catalog telling you all about Planet Jr. implements will be mailed free on request. Address S. L. Allen Co., Box 1107T, Philadelphia.

R. F. Neubert, says this is certainly a year of "back to chickens and eggs," thousands of new amateur poultry raisers will make a start this year. The continued high price of poultry and eggs is a great incentive aside from the pleasure. Mr. Neubert, for twenty years the big chicken raiser and incubator manufacturer of the Northwest, issues a big poultry and incubator book. He sends it free for 4 cents to cover postage. Address R. F. Neubert, Box 768, Mankato, Minn.

If you are looking for bargains write to G. A. Walker, Polo, Ill. As the owner of Sunnyside Poultry Yards, on account of being overstocked he is making exceptionally low prices on eggs and stock. He breeds the Exhibition Barred Plymouth Rocks.

Eggs from hens scoring 92 to 94½ points is what E. J. King is advertising. He breeds R. C. Rhode Island Reds and in the show season just ended he made a remarkable record. He is making special prices on baby chicks and eggs, so no doubt it will pay you to write him. Address Edward J. King, Box 171, Pine Grove, W. Va.

Woodcrest Partridge Wyandottes.

Just beyond the city limits of Worcester, Mass., in a section of rare and stately beauty, is the country home of Mr. Charles H. Wood, specialist and breeder of "Woodcrest" Partridge Wyandottes, a line that has received the favorable consideration of breeders for many years and has won the highest honors possible to win, making at the late Madison Square Garden, New York, Show, a record that will ever stand to the credit of this man and his strain of Partridge Wyandottes.

Mr. Wood is an impressive man, a sincere worker, a man with a purpose, and it is most pleasing to note that the results of his labors have made him an enviable reputation as a leader in his line and variety. There is reason found in his work and method in his ideas, and his whole success, to our mind, is due to the fact that he studied and mastered conditions and tried hard to succeed. This kind of breeders, who will concentrate mind and thought on their work and use plenty of "gray matter," are not only bound to succeed but are in reality the backbone and foundation of the poultry industry.

We had seen Mr. Wood's winners at New York and Boston shows and knew his records well, but still and withal he surprised us in the general quality and largeness of his flock. Their shape and evenness of color was better, more uniform and far superior than we thought it possible to attain. This sounds pretty big even to us, but let me here add we have to talk big when the facts are at hand to bear out fully all statements that we could make.

At the late Madison Square Garden, New York, Show Mr. Wood won on cocks 1-2-4, hen 2, cockerel 1-3-4, pullets 1-4-5, pens 1-3, best display and all specials, scoring a total of 54 points, against 17 points for his nearest competitor. We believe this record stands unapproached at this show. True it is that it was made in the grandest class we have seen.

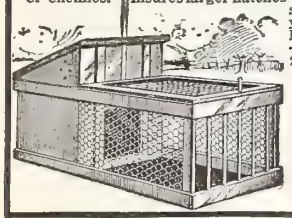
MATINGS FOR 1914.

To describe these matings is a review of the line. His pens as seen absolutely conform to his mating list. Here are his winners and great quality birds mated with apparent skill that promises well for the future of this line. There are no "fillers" used, and if there is a hole in them we failed to see it. They are made uniformly with greatest possible care taken of type and the rich and even color in male and

Hodgson Portable Poultry Houses

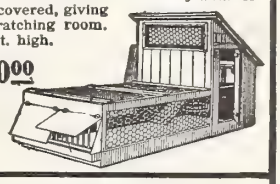
WIGWARM Setting and Brood Coop

For a hen and her chicks and while she is sitting. Gives protection from rats, skunks, hawks and other enemies. Insures larger hatches—has proved its success for 22 years. Shipped knocked down—size, 2x4 ft., 2 ft. high.



$3.00

No. 0 Colony Laying House—for 12 Hens Fitted complete with nests, fountain and feed trough. Sanitary—easily cleaned. One man can easily care for several hundred birds. Nicely painted—set up in 15 minutes. A comfortable year-round house. In stormy weather the run may be covered, giving a protected scratching room. Size, 10x4 ft., 5 ft. high.

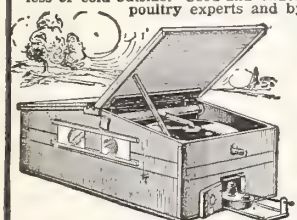


$20.00

TRADE MARK WIGWARM

WIGWARM Brooder

Hot-water and hot-air heating combined gives perfect ventilation—no danger of overheating—maintains even temperature regardless of cold outside. Used and endorsed by poultry experts and by experiment stations and such men as Dr. A. A. Brigham, Dr. N. W. Sanborn, Dr. P. T. Woods and Mr. A. F. Hunter. Size, 3x5 feet.



$15.00

Catalog Free

Five-Section Poultry House—10x50 ft.

Sanitary, durable, up-to-date—made of red cedar, clapboarded outside, interior sheathed. Made in 10 ft. sections, each fitted with roosts, nests and fountain. Open fronts, with canvas-covered frames. You can add sections at any time. Easily erected. First section, $75.00; additional sections, $60.00 each.



E. F. Hodgson Co. Visit our showrooms { Room 332, 116 Washington St., Boston, Mass. / Craftsman Bldg., 6 East 39th St., New York } Address all correspondence to Boston.

215 EGGS A YEAR

A flock of 31 Pullets grown from our Chicks averaged 215 Eggs a year in the hands of a customer-an amateur.

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SINGLE COMB WHITE LEGHORNS
BRED-TO-LAY

DAY OLD CHICKS EGGS FOR HATCHING

500 COCKERELS 2.00 EACH

We Guarantee Safe Delivery Day Old Chicks
We Replace all Infertile Eggs
MOUNT PLEASANT FARM
MT POCONO PA

READ OUR NEW BOOKLET FREE

females alike. There are no light necks, no straight backs or pinched tails used, while the heads, combs and eyes are simply marvelous. Pen 1 is headed by first New York cockerel, a bird today improved over his New York Show condition, beauty in form and color and simply immense in striping of hackle and saddle, grandly mated to females of breeding quality.

Next was his first New York cock, a noble specimen and unbeatable as seen here, ideal in shape and rich in every quality; mates a select lot. Heading pen 1 was his first New York pen cock, surely one of the rarest ever bred. He also won color special at New York. Comb ideal, a strong, hardy fellow; mates a wonderfully even lot that handle grandly. In pen 4 was the second New York cock, bred from a famous winning hen at New York, Boston and Chicago. This cock is most brilliant in color and superior in markings, his tail a marvel and in form of body most excellent. This mating is indeed one of admirable quality, sure to produce highest puality.

Pen 5 is headed by first Boston cock, a noble fellow, full of life, dark and rich in color, grand shape, and females all typical, nicely penciled and even. This line is particularly free from shafting. None whatever is seen in these matings.

In the next pen (6) was the third New York cockerel, one which always looked good to us, an admirable bird, sure to make a wonder cock. His breast and back shape, finish and carriage of tail are ideal. Mates compare favorable, and of best blood lines.

In pen 7 was the fourth New York cockerel, an all around grand bird in shape and color. Next was a beauty cock of extra size and even quality. In pen 9 was the third pen cockerel (New York), one of the best in form and rarest in color. Pen 10 is headed by an unshown beauty cockerel, that seems to carry every quality and is superior in many ways. We liked his type and carriage and his color, markings, etc. He is a true representative of this beauty variety.

This concludes Mr. Wood's matings, and to my mind they assure future results for this line. They are made with an evenness and evident care that bids well. Type all through is the most commendable quality, as it should be. Combs as good as we have seen on any flock of Wyandottes. Eyes 99 per cent perfect, and in general color and markings as well as in carriage, health and vigor they are way above the ideal we had set as being reasonable to expect.

Also, in going from pen to pen, we noted the nests and found that this line of Partridge Wyandottes are layers pre-eminent. They lay a fine colored egg of good size and plenty of them.

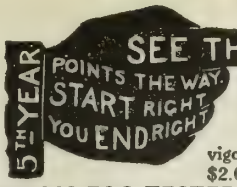
This plant is finely located with beautiful surroundings and above all is practical, pens nicely arranged, yards large, affording plenty of grass and shade and all is clean and in ship-shape. It is a plant that has the personal interest of the owner back of it, and one in which he has great personal pride. While we most heartily commend this line, we also wish to commend Mr. Wood for what he has done for standard bred poultry. His work and his success are an example, in fact, of the real possibilities of the poultry industry and he well deserves the success attained.—H. P. Schwab.

Lester Tompkins, Concord, Mass.

Our day at Concord, Mass., was one of special interest, for we not only seen two large and valuable flocks of R. I. Reds but also seen points of interest closely related with the early history of "our country." The two miles from Concord to the home of Lester Tompkins is over a historic road, from which can be seen the "Bridge" where the first battle of the Revolution was fought, also the monuments marking the lines of contending forces. Historians give glowing accounts of the deeds of those days that are well worth reading, and we of today can best raise our hats and be thankful for their patriotism and the results of their endeavors. With the sun a-shining and with evidence of another close springtime it was a day we shall long remember, one most pleasant to us.

We had been here before and knew what to expect, also have seen this line at the prominent shows the past season and pretty well know their quality, but Mr. Tompkins had some surprises in store for us. Sure, we admired his matings of his famous winners. They are all what he claims for them, but here also we seen mated pens of unshown beauties that to us were very attractive. Cockerels that had come along and were late to finish were seen here in wondrous quality, and females of same type and quality of color.

It is simply useless for us to describe the matings as seen here, as minute detail of sameness would fail to interest. Still in



"DRYING UP!!"

That is the cry **everywhere.** "My chicks are drying up in the shell, will your Tester help me?" **Most assuredly.** Don't incubate eggs **unless they first pass the Magic Egg Tester.** "XX" eggs hold moisture best, hatch best, and make the chicks with backbone, health and vigor. **Impossible to hatch one egg this Tester rejects.** $2.00 each. 1 year's trial. Guaranteed. Cost refunded if dissatisfied.

MAGIC EGG TESTER WORKS, Dept. B, Buffalo. N. Y., also Bridgeburg, Can.

PAYNE BROS.' R. C. R. I. REDS

EXCELLED BY NONE

Win as many Firsts at New York, 1912-14, as any other Exhibitor.

Win as many Firsts at Boston, 1912, as any other Exhibitor.

We have raised more Blue Ribbon winning females at Madison Square Garden, in the last four years, than any other Exhibitor.

Silver Cup for best display at National meeting of the R. I. Red Club, New Haven, Connecticut, December, 1913. **Our Matings are the best ever. Catalogue free.**

PAYNE BROS. Box J Portland, Connecticut



1st Pullet, Balto., 1914

JAQUELIN FARMS'

DARK CORNISH

AMERICA'S CHAMPIONS

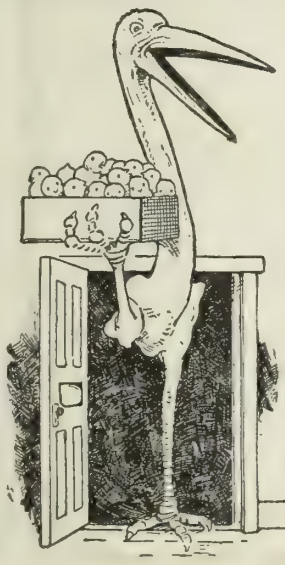
Leading winners at Club Show, 1913, and at America's greatest shows, including Philadelphia, Baltimore, Allentown, Hagerstown, Richmond and Washington. Champion show birds and breeders for sale. If you want quality, write—if not, keep mum. Eggs from 10 grand pens.

JAQUELIN FARMS, Courtland H. Smith, WARRENTON, VA.

FELCH OFFERS

The product of his breeding pens of 1913 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts



Well Bred—Farm Raised—Well Hatched

CHICKS

THAT GROW THAT MAKE YOU MONEY

FULL COUNT — PRICES REASONABLE

You take no chances; we mate them right; we hatch them right; we guarantee safe arrival.

23 Years' Experience in Operating Incubators

If you want quality, vigor and efficient service, write today for free catalog.

EXHIBITION MATINGS, BRED-TO-LAY STANDARD MATINGS AND UTILITY MATINGS.

S. C. BROWN, WHITE AND BUFF LEGHORNS, BARRED AND WHITE PLYMOUTH ROCKS, BUFF AND WHITE ORPINGTONS. SINGLE AND ROSE COMB RHODE ISLAND REDS

TRY ONE OF OUR 50-CHICK FIRELESS BROODERS $2.00

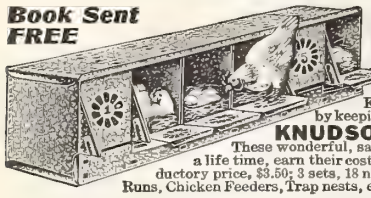
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OWEN'S SILVER LACED WYANDOTTES

At the CLEVELAND Show, January 5-10, 1914, won 1st Cockerel, 1st and 3rd Pullet, 2nd and 3rd Hen and 1st Pen. Write for prices on Eggs. Satisfaction assured. : : R. D. OWEN CRESTON, OHIO

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HAPPY HENS EARN BIG PROFITS

Keep your hens happy, get more eggs, make them pay you better by keeping them free from lice and mites, by equipping laying houses with

KNUDSON Galvanized Steel LICE PROOF NESTS

These wonderful, sanitary, *patented* nests(not a trap nest)can't get out of order,last a life time, earn their cost many times over. Regular price, $3.90, set 6 nests—special introductory price, $3.50; 3 sets, 18 nests, $10. Write for *free* catalog, Gal. Steel Brood Coops with Runs, Chicken Feeders, Trap nests, etc. Knudson Manufacturing Co., Box 570 St. Joseph, Mo.

PALACE NEW YORK SHOW WINNING

Barred Plymouth Rocks

In this great class of 213 quality birds I win First Prize Cockerel and Color Male Special. First Prize Pullet and Color Female Special, and Second Prize Exhibition Pen on four entries made. For color and clean cut barring these birds were the class of the exhibit.

STOCK FOR SALE—EGGS FOR HATCHING

Have mated my winners and others of this same line from which I win. Sell eggs at $5.00 per setting of 13, $15.00 for 50. Satisfaction assured.

J. D. HARCOMBE -:- Grand View-on-Hudson, N. Y.

URBAN FARMS

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PRIZE WINNING

Black Langshans	Houdans	Black Tailed White
White Plymouth Rocks	Silver Campines	Japanese Bantams
Anconas	Mottled Javas	Mille Fleurs

MATING LIST FOR 1914 ON APPLICATION



NEPONSET Paroid Roofing

There's a NEPONSET Roofing for Every Building

GET Neponset Roofings—the "slowly made" kind. Then you are sure to get roofings that are slow to wear out. Then you'll never get a poor roofing when you need a good one.

Neponset Roofings are long on the roof—because long "in the making." This means more than you think. It means this: Maximum protection to your home—your stock—and your pocket-book. Protection against leaks—repairs—and that greatest danger of all—fire. Remarkable "year-in-and-year-out" protection—in cold or hot climates—at a minimum cost—this is the "blanket protection" slowly made Neponset Roofings *invariably* give.

There's a slowly made Neponset Roofing for every purpose. Neponset Paroid is the great roofing for fine farm buildings.

Other Neponset Roofings are—Neponset Shingles for residences; Neponset Proslate, the colored roofing.

Sold by dealers everywhere. Write for name of nearest dealer.

Surely Send for Roof Book—FREE

BIRD & SON (Est. 1795), 548 Neponset St., E. Walpole, Mass.

New York Chicago Washington San Francisco

Canadian Office and Plant: Hamilton, Ont.

Also makers of Neponset Wall Board, used in place of laths and plaster, and Neponset Waterproof Building Paper

each pen was noted quality and merit. The males a royal lot, shape excellent and color brilliant. Here we seen males of both combs that carried their sheen and brilliancy way down into their body and fluff sections, a feature we had never noted before. Soundness of color, rich and rare surface and under is the famous feature of this line. Of all the males handled (50 or more) we failed to find one that was poor under or of weak or wavy color on surface.

The females were close up in every quality, shape was excellent and strength and quality of color sound. They are all we could expect from this or any line.

His winners of the past two and three years are here in as good condition as ever. We have described these birds before in our show reports, but as mated and seen here we fear we failed to do them full justice. It is very evident Mr. Tompkins has made his matings with unusual care. They show this in a general as well as in an individual way, and we would bank on them for results.

Business is booming here and a great load of eggs for hatching was shipped the day of our visit. Fertility reports are grand here and we would expect them to be so, for his colony houses with large runs for each mating assures these results.

Mr. Tompkins has issued a very original catalogue this season, telling of his line as bred for 45 years, which he sends free to all interested. Write him for one and always be sure to mention the American Poultry Journal.—H. P. Schwab.

C. H. Welles, Stratford, Conn.

The visitor can always find something of special interest at the home of a Barred Rock breeder, and particularly when at the place of a "Famous" line such as Mr. Welles' "Fluffy-Ruffles," that has always been a leader and whose influence has been felt and proven beneficial the world over. The winning records of this line is in a great part the record of the Madison Square Garden, New York, Show for twenty or more years past, and we also well know that this line value has been a most prominent factor in the female winner at leading shows for years past.

Mr. Welles now devotes all his time to the breeding of his Barred Rocks, and we lately spent a most pleasant and interesting day looking over his matings and noting with care their make-up, which is, we feel assured, far superior to any he has ever had.

The males used are models in form, well built and well carried with the best of style. In color they have a contrast all their own and distinctive. The white is pronounced, clean and absolutely pure. The barring is regular, very narrow and even from tip to tip. But above all, we value their blood-lines, which is of the richest and of superior value, having produced national winners almost without number.

The females used are of the best of type, color and barring, and we feel doubly assured that results will be had, for history proves this line one of special reproduction value we can recommend.

Mr. Welles also breeds two pens mated for cockerels, all lining back to his first prize Madison Square Garden, New York, cock of three years ago. They are very select matings.

After May 10 Mr. Welles will sell eggs at reduced prices. His mating list is sent free for the asking. Write him for this and further particulars regarding egg prices. —H. P. Schwab.

The Henderson Farm.

If now, or at any time in the future you have an idea of raising Barred Plymouth Rocks, sit right down and write for the beautiful illustrated catalog that tells you all about the Henderson Strain of fowls. This catalog is in a class by itself and has one feature that other breeders overlooked, an insert 45 inches long and 7 inches wide showing a panorama view of this wonderful farm and buildings.

The Henderson Farm is located at Bridgeton, Mo., only eight miles from St. Louis. It contains fifty acres, all of which is devoted exclusively to the culture of Barred Plymouth Rocks.

Mr. Henderson has a wonderful list of ribbons dating from 1899 to date, besides the great list of winnings made by his customers. For this season he has thirty pens mated and no matter if it is stock, eggs or baby chicks he can supply you. No order is too large and none too small.

Write for catalog. Address W. W. Henderson, Bridgeton, St. Louis County, Mo. —Chick.

20th Century Hatchery.

Jos. A. Blum & Co. are the gentlemen who put the town of Chatfield, Ohio, on the map.

For fifteen years these people have been handling baby chicks, their plant known as the 20th Century Hatchery, being one of the largest in the country. They started in on a small scale, enlarging each year until today their capacity is 40,000 eggs per hatch. Last year they shipped 134,875 chicks and from all accounts they will go far above that mark this year.

Their plant is entirely modern in every respect, even to having their buildings concrete. Their incubators (of their own



make) together with a mammoth Candee are the latest in artificial hatchery.

All chicks from their plant are the same price, purchasers receiving the benefit of size and quality. They specialize on four varieties, S. C. White and Brown Leghorns, Barred Plymouth Rocks and Rhode Island Reds.

The writer has been through this plant several times and can highly endorse both the firm and stock.—H. H. Coburn.

America's Champion Blue Ribbon Strain.

Beyond a shadow of a doubt, the neatest, most attractive and up-to-date catalog that I have had the pleasure of reading is issued by Erwin F. Dean, breeder of the famous American Champion Blue Ribbon Strain of Golden and Silver Campines.

From the front cover to the back page it draws and holds your attention, so you must admit it is just a little different from all others. Printed on high class paper with a large number of illustrations, it tells the history of these wonderful birds, gives you list of matings, prices of stock and eggs. It also tells you how to care for eggs in hatching and when, what and how to feed chicks. A very remarkable fact about Mr. Dean's mating pens is that every one is headed by a ribbon winner from this season's shows at Boston, Madison Square Garden and Baltimore.

The well known Campine breeder, Bernard Hime, is manager for Mr. Dean, which insures you the best birds that can be bred. In dealing with Mr. Dean you will find a gentleman who will never be satisfied unless you are. Just write him for catalog and prices. Address Erwin F. Dean, Box C, Williamsport, Pa.—Chick.

Something Out of the Ordinary.

Stone Cottage, Mucklenuck, Pretoria, South Africa.

Feb. 5, 1914.

Mr. Chas. V. Keeler, Winamac, Ind., U. S. A.

My Dear Mr. Keeler:

Once more I am writing you for White Wyandottes. I want you to quote prices delivered at Durban, Natal, South Africa, for one first class cockerel also for two first class pullets. I want once more to thank you for your fair dealings over the original pen I purchased three years ago. I surely started with the right stuff for I have won at all our big shows all over South Africa ever since I commenced exhibiting your strain. I have never yet been beaten on cocks at any show. The past two years I have won the South African Championship at the Central South African show where we had over 2,000 entries and I won best bird in show. Also 1, 2, 3 cocks. 1, 3, 4th cockerel. There is hardly a White Wyandotte breeder in this country who has not bought stock from me. Three of the government poultry farms have also bought stock from me. I am just off for England so please write to me to

Mrs. H. R. M. Bourne,
Cowarne, Leabury, Eng.

Peabody Farms: Crystal Hatcheries

Place orders now for Hatching Eggs and Baby Chicks from our White Feathered, Trap Nested, Heavy Laying Strains of Leghorns, Orpingtons, Rocks and Wyandottes. Ducks, Geese, Turkeys and Guineas. Mallard Ducks. Wild Geese. Pheasants. Breeders for sale.

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Catalogue and Price List Now Ready and Will Be Sent on Request

13 Leading Varieties of Chickens and Indian Runner Ducks. **2000 to 4000 "Better Quality"** Chicks and Ducklings hatched weekly. It will pay you to write us before ordering elsewhere and learn **why** our Chicks are **"Better Quality."**

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Quality Bred-To-Lay Single Comb

White Leghorns Exclusively

CHICKS—Big, healthy, vigorous fellows, the kind that live and grow, at $2.50 for 25, $10 per 100, $95 per 1,000.

EGGS—$1 per 15, $5 per 100, $45 per 1,000. (All chicks and eggs are from mature hens only). Get our catalogue before ordering elsewhere. It is free if you mention this paper.

The Elliott Poultry and Fruit Farm, R. 7, Mansfield, Ohio

Palmer's White Rocks

If looking for stock and eggs, **do not pass us by,** for our birds will win ,also lay for you. Write your wants and, what ever your remittance, we guarantee your money's worth and prompt delivery. Free Booklet.

EGGS $5.00 per fifteen. EGGS $3.00 per fifteen.

"The Glen" Poultry Farm : Fairport, New York



Old Honesty Hatchery

OUR ELEVENTH SEASON—Day-old chicks for sale. Sixteen leading market and egg laying varieties, also strictly utility and show birds. Catalogue free. Prompt replies. Prompt shipment. Mention American Poultry Journal when writing.

G. H. Kichline, Prop., Dept. A, New Washington, O.

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Largest Barred Plymouth Rocks

Winning Again This Year at GREAT COLISEUM SHOW, CHICAGO December, 1913, with 3 Entries: 2nd Pullet, 3rd Pullet Mating Pen

At ILLINOIS STATE SHOW, January, 1914, with an entry of 13 birds, 11 were winners; also Best Colored Female, Best Shape and Champion Pullet.

My birds are second to none in SIZE and COLOR OF BARRING. I have furnished 87 of the winning birds this winter at some of the LARGEST SHOWS IN THE UNITED STATES AND CANADA. For the season of 1914 I have some of the grandest matings I have ever had and can furnish you eggs in any quantity. Write for catalogue of the largest Barred Plymouth Rock farm in the Mid-West. EGGS FOR HATCHING—$3.00 per 15, $8.00 per 45, $15.00 per 100.

LUTHER J. HALL -:- KENNEY, ILLINOIS

SILVER LACED WYANDOTTES

Won at CLEVELAND, 1913, 1-2 pullet, 4-5 hen, 4 cockerel, 1-3 pen—16 entries, 15 winning ribbons in large class. These winners are MATED for the EGG TRADE. Write for Mating List.

EWING & ROMICH Lock Box 393 CRESTON, OHIO

Golden Wyandottes Win at Boston, January, 1914

Cock, 1-2-4-5; Hen, 1-3-6; Cockerel, 1-2-4-5; Pullet, 1-3-4-5; Pen, 1; Best Display; 3 Association Specials, and 13 of the 19 Club Specials, **completing a Record Win.** Breeders and mated birds for sale. Your wants will have my best care. Write for particulars.

LOREN H. BROWN LUNENBURG, MASSACHUSETTS

America's Best Wyandottes

Golden, Silver and White

Winners at all the large shows, including 300 premiums at New York. The Keller Strain of Wyandottes has been established for 30 years, no finer birds bred. They have the size, shape, color and open lacing and are very heavy layers as well.

Eggs from grand matings, $3 and $5 per setting, half price after the 15th of May, utility eggs $8 per 100, Golden Sebright Bantam eggs $3 per setting. Mating list and circular free.

IRA C. KELLER Brookside Farms Box 75, Prospect, O.

CAMPINES LEGHORNS

Silver Golden S. C. White

Day-Old Chicks, Eggs for Hatching and Stock

Now is the time to place your orders for day-old chicks and eggs. Can supply you from the leading English and American strains (Tom Barron and D. W. Young) in Leghorns and in Campines. Our pens of Goldens will be headed by the best in hen-feathered males and represent the best quality and type and are bred for heavy egg production. Satisfaction guaranteed. Catalogue free. **MOUND HILL FARM, S. D. Hall, Mgr., Box 78, Seville, O.**

Wyckoff's S. C. White Leghorns

acknowledged everywhere the World's greatest laying strain; unequalled in standard qualities. Remember that we are the originators and for over 30 years specialty breeders of the justly celebrated **"Wyckoff" strain of S. C. White Leghorns,** the most profitable strain of poultry in America today. Place your orders at headquarters and make no mistake. **Eggs for hatching** in any quantity from the grandest of matings, both utility and exhibition. Catalogue and testimonials free.

C. H. Wyckoff & Son Aurora, Cayuga Co., N. Y.

Remember that

Russell Cave White Orpingtons

Layed more eggs than any other pen of Orpingtons, all varieties competing, at the Missouri National Egg-laying contest, besides winning the cup for the greatest number of eggs during the month of February, against all breeds.

My Winnings This Year Are As Follows:

The Great Hagerstown Fair—1st and 3rd Hen, 1st and 2nd Cockerel, 1st and 3rd Pullet, 1st Pen—no cock shown—special for the best hen in the show.

Augusta Poultry Show—1st and 2nd Hen, 1st and 2nd Cockerel, 3d, 4th and 5th Pullet, 1st Pen and specials.

Eggs from the Greatest of All Matings

$15, $10, $5. Satisfaction guaranteed

RUSSELL CAVE POULTRY YARDS

Address Louis Lee Haggin, Prop., Route 3, P. O. Box 1025, Lexington, Kentucky

Proof of the Pudding.

There is no better proof of goods of merit than satisfied customers. The following letter tells its own story and is only one of the many that this firm receives daily.

Hot Springs, Ark.
3-22-14.

Simplex Supply House, Chicago, Ill.

Dear Sirs: Regarding the Simplex Kant Klog Feeder which I purchased from you on December 31, 1913, will say that I think you have solved the problem of feeding and without a doubt it is the greatest and most practical feeder on the market. It has reduced my feed bill fully 50 per cent during the past three months and I find that my birds are healthier and the egg yield greater by a larger percentage than ever before. I take great pleasure in recommending it to everyone and would not be without it for ten times its cost. As an example I have one installed in a pen which consists of twelve S. C. White Orpingtons. I fill it on Monday and don't have to worry about my birds until the following Monday, when I refill it. Anything I may be able to do for you I will be only too glad to do so.

Wishing you the greatest success in the world, I am,

Yours truly,
W. M. Metzer,
Box 113,
Hot Springs, Ark.

It goes to prove that the Simplicity Automatic Kant Klog Poultry Feeder does the work. These feeders are sold on a positive guarantee of money refunded if not satisfactory. Write for their catalog. Address Simplex Supply House, Pontiax Bldg., Chicago, Ill.

Egg and Baby Chick Carriers.

Only eleven years old and now doing a business amounting to almost a million dollars a year, is some record. This record tells its own story, it means good goods and satisfied customers. The Andrews Paper Box Co., of Chattanooga, Tenn., is the firm who has made this wonderful record. They make a specialty of eggs and baby chick carriers, sold under a guarantee of money refunded if not satisfactory. They also make wooden colony chick houses, portable laying houses, colony breeding houses and shipping coops.

Besides these poultry supplies they make paper boxes for any and all articles, so no matter what type of box you may want write for their catalog. Address Andrews Paper Box Co., Chattanooga, Tenn.

Great Leghorn Record.

One of the largest winners at the past season's shows held in the Mid-West was that popular S. C. White Leghorn breeder, H. A. Muntz, of Elgin, Ill.

Starting in at the Springfield State Fair, he went right on up the line, winning blue ribbons at every show with the exception of the Chicago Coliseum, where he captured two seconds, one fourth and a fifth, being the only exhibitor that won in every class that he entered. At the Elgin Show, besides his many ribbons, he won seven cups and two specials.

His mating list and prices are sure to interest you if your thoughts run toward this breed of fowl. Write to him today.

Listen to the Judge.

In this issue you will find some special bargains which are being offered by that well known old timer, Judge Nixon.

For the past twenty-one years Mr. Nixon has been breeding, mating and judging White Wyandottes, so it goes without saying that he knows fowls, and especially White Wyandottes. Oh, yes, the Judge exhibits, at least you would think so if you were to visit his farm and see the room covered with ribbons and cups, a large number of the ribbons being blue in color.

Look up his ad in this issue, then write him; he will treat you right. Address Charles Nixon, Box 202, Washington, N. J.

130-Egg Incubator and Brooder Both for $10

Freight Paid East of Rockies



Hot water; double walls; copper tank—best construction. Write for Free Catalog.

Wisconsin Incubator Co. Box 76 Racine, Wis.



THE ROSE OF RANCOCAS.
First White Rock hen at Philadelphia, 1911. Owned by Rancocas Poultry Farms, Brown's Mills, N. J.



KAUP, QUALITY BUFF ORPINGTONS

enjoyed the most successful season in their history in show winnings, amount of sales and number of satisfied customers. Their great win at the 1914 Chicago Show, coupled with Kaup Buff Orpington Farm service did it, and this Farm hasn't a dissatisfied customer in the whole world, and invites any customer who has failed to receive satisfaction to write this journal or the American Poultry Association. As 1,000 chicks have already been hatched

EGGS ARE OFFERED AT HALF PRICE

for the remainder of the season. Big 1914 illustrated mating list and catalog, the Buff Orpington Guide Book, because it guides the way to satisfaction, tells all and is sent FREE.

F. A. KAUP BUFF ORPINGTON FARM, BOX K-1, GLEN ELLYN, ILLINOIS

SMITH'S SINGLE COMB BUFF LEGHORNS

The largest **exclusive** breeder of Buffs in the world. I have no other breeds and had the grandest winter layers and winners at thirteen of the big shows. EGGS and DAY OLD CHICKS by the thousands. Send ten cents for catalogue and find out how to raise 150 pullets to the age of six months for 15⅓ cents each. **Eggs half price on June 1st.**
If you want GRAND LAYERS or SHOW BIRDS, write me your wants

F. S. SMITH, Box C and D, Hamilton, Ohio

Moore's S. C. White Leghorns

Win at Greater Buffalo Show, Thanksgiving Week, 1913, Buffalo, N. Y., Cocks 1, 5; Hens 2, 3, 4; **Cockerels** 1, 4; Pullets 2, 5; Pens 1, 2; **$25 Special** for best **Display** and numerous other gold specials. **Eggs, Stock** and **Day-Old Chicks** for sale. Send for mating list. When writing mention American Poultry Journal.

MOORE BROS. **Moscow, Livingston Co., New York**


1st Hen, Boston, 1914


1st Hen, Madison Square Garden, 1913


1st Cockerel, Grand Central Palace, N. Y., Dec. '13


1st Cockerel, Madison Square Garden, 1913


1st Pullet, Grand Central Palace, N.Y., 1913


Head of 1st Pen, Philadelphia, 1911

"They Were Bred at Rancocas"

Rancocas is the best equipped and most successful poultry farm in the world. 20,000 S. C. White Leghorns and White Rocks, layers and winners, the quality strain of America.
Headquarters for hatching eggs, day-old chicks, breeding stock and exhibition birds. Our catalogues contain information of great interest to every poultryman. Sent free on request. Reduced prices on hatching eggs after May 15th from breeding pens containing our New York and Boston winners.

RANCOCAS POULTRY FARMS
Box 512 **Browns Mills, New Jersey**

A Big and Vital Question to Every Poultry Raiser.

Early in March of this year Thos. J. Lane, of Dresher, Pa., wrote to an acquaintance of his, Dr. T. J. Clemens, editor of the Poultry Department of the Philadelphia Daily Inquirer and asked him "what and how" to feed his "chicks and adult fowls to best advantage." To this letter from his friend Dr. Clemens replied as follows:

To hatch your chicks right is an important matter, and to brood them correctly is also very essential, but then the big and vital question is, "What and how to feed them for best results?"

The Philadelphia Inquirer,
Editorial Rooms.
Philadelphia, March 18, 1914.

Thos. J. Lane, Esq., Dresher, Pa.

Dear Tom: I am sending you, under separate cover, one of the best poultry books ever published by Cyphers Incubator Company and I trust that you will read every word of it from cover to cover. It will be a revelation to you, but you may rest assured that every method described and recommended is a practical one, as practiced and endorsed by a practical and successful firm.

Yours very truly,
Thomas J. Clemens, M. D.

You, reader, can obtain a free copy of this same book, mailed postpaid to your address, without obligation, by simply writing a letter or postal card to the nearest place of business of Cyphers Company (see addresses herewith) and asking for it. The booklet, "Poultry Foods and Feeding," consists of 52 pages, 7x10 inches in size, is fully illustrated and contains the following timely information:

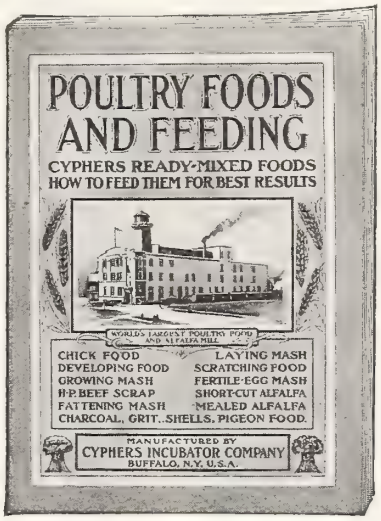
Correct Feeding of the Chicks.—Tells in detail what, when and how to feed each day for the first seven; then every week up to the fifteenth week, including full benefits of the labor-saving, money-making, health-giving, deep-litter method.

Squab Broilers.—What they are, how produced, how fed, etc. Breeders of Leghorns will want to read and profit by this chapter; tells how to "finish for market."

Broilers and Fryers.—Explains what they are, names best breeds and tells why; gives detailed directions how to produce fancy, top price broilers and fryers by use of buttermilk or sour milk diet; can be produced on any farm; fully explains special fattening methods.

Roasting Chickens.—What they are; the best breeds; simple and easy way to "special fatten" and thus secure premium prices; gives best rations and explains why it pays to pen-fatten old fowls, etc.

Soft Roasters.—Finest table chickens sent to market; what they are and how produced; both "pen-fattening" and "crate-fattening" methods explained with a-b-c directions how to proceed; what and how to feed on ordinary farm or any practical poultry plant.



This 52-Page Booklet Is Free to Our Readers, Postpaid, for the Asking.

Capons.—What they are and how produced: best breeds and crosses; correct methods of handling, feeding, etc., to get quickest, heaviest weights and obtain highest prices.

Layers.—How to feed and handle the chicks from hatching date to laying period, to produce large, vigorous bodies, healthy egg organs and maximum yield; what and how much to feed the chicks, the rapidly-maturing pullets and the layers.

Breeders.—How to raise, feed and care for the chicks that are to be relied on as breeders, in order to obtain largest practicable yield of strongly fertile eggs during the breeding season. What and how to feed for fertile eggs.

Deep-Litter Feeding.—States principles and gives results of tests by this economical method, which produces excellent chicks and costs less in food, time and labor; mortality also less.

Dry-Feeding vs. Wet Mashes.—Explains the advantages of both, and tells why wet mashes are necessary to best results in cases where special purposes are to be achieved.

Send today for your free copy of "Poultry Foods and Feeding," mentioning this paper when you write. Address home offices of Cyphers Incubator Company, Buffalo, N. Y., or their branch store and warehouse nearest you, as follows: New York City, N. Y., 41 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Court; Kansas City, Mo., 317 319 Southwest Boulevard; Oakland, Cal., 2127-2131 Broadway; London, England, 121-123 Finsbury Pavement.

—o—

Mrs. William H. Moore, Chadds Ford, Pa., recently acquired the entire flock of Black Cochin Bantams bred by J. A. Conner, of Coatesville, Pa. This flock of National winners has been added to her grand strain of Congo Black Cochin Bantams, and she now possesses one of the best flocks of Black Cochin Bantams in the country.

Gensemer Brothers, Creston, Ohio, have some wonderful Silver and Golden Campine matings that will produce winners for next show season. Campines hatched in June and July mature for the show room and May-hatched ones are ready for the fairs and southern shows in September. Write them for special egg offer. —H. H. Coburn.



The New Prairie State Stove Brooder.

A new idea in stove brooders is now offered by the Prairie State Incubator Co., Homer City, Pa. Like all of the "Prairie State" products, the new brooder stove has special qualities and features that should recommend it to every poutry raiser who broods in quantities of 500 to 1,000 chicks.

Ventilation is the great point to consider in selecting a brooder, as chicks will die rapidly if kept in close confinement in a brooder that is not properly ventilated. In the Prairie State Stove Brooder chicks have plenty of warmth, plenty of space to exercise, and choice of temperature. The weak ones may remain near the heat, or in any zone that they choose.

The Prairie State Stove Brooder is designed to burn hard coal and is regulated automatically. The consumption of fuel has been carefully computed, and the cost of operating for 24 hours in ordinary weather is figured at about 7 cents, making it a very economical brooder for so large a number of chicks.

The stove is without legs, thus preventing chicks from running under or being crowded under. A canopy top of galvanized steel holds the heat, and at the same time is open enough to furnish plenty of ventilation. It is hinged in the center. One-half of the circle can be raised to allow operator ready access to all parts and to supply fuel. For poultrymen who raise large numbers of chicks the Prairie State Stove Brooder seems to cover every requirement as to low cost of fuel, correct ventilation, ease of handling and durability.

The Prairie State Incubator Co. also have a new portable hover which is a very interesting device—useful for those who brood in flocks of 50 or over.

Space does not allow a description of this meritorious article, but full information can be had by addressing the manufacturers.

———o———

Hilldorfer Black Minorca Farms, Saxonburg, Butler Co., Pa.

The name of Hilldorfer has been prominently linked with Black Minorcas ever since we can remember. That this is one of the leading lines goes without saying, for during all these years it has been a winner at our greatest shows. This last season at Hagerstown's great show they won cock 1-2, cockerel 1-2, hen 1-4, pullet 1-5, best display and all specials.

At the Pittsburg Exposition Show, January, 1914, the Black Minorca Club meeting show, with 274 birds competing, they won cock 1-2, cockerel 1-3, hen 3, pullets 1-3-8, pens 3-4-7, cup for best display, etc. These winnings, like others made during the past at Madison Square Garden, New York, Baltimore, Chicago, etc., are of the same character and commend this line for consideration.

For the benefit of our readers and all those interested in Black Minorcas, we are glad to announce that after May 1 Mr. Hilldorfer will sell his eggs at half price for the balance of the season. This makes his best from his famous winners within the reach of all, an opportunity the breeders should grasp.

Write for his mating list and order your eggs now; they are sold with his usual guarantee.—H. P. Schwab.

———o———

Early hatched White Wyandotte chicks weighing one and one-half pounds at this time and looking like "comers" for early fall fairs can be obtained now from George H. Rudy, Route 15, Mattoon, Ill. Mr. Rudy reports that the fertility of his eggs is running better than ever, and that he is perfectly delighted with the results from his matings which have produced strong and vigorous chicks with little mortality. See his ad under table of contents.

———

Owing to the great number of inquiries received for Speckled Sussex, Red Sussex Farms, Marysville, Mich., have just imported some of England's best specimens. The same noted strain, the Champion Strain, as their Red Sussex. They will receive orders for stock for fall delivery, but will not sell any Speckled Sussex eggs this season.

———

Sherman Bowden, White Wyandotte specialist of Mansfield, O., is booking orders for eggs from his choice matings for delivery after May 1 at half price.

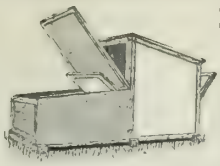
This is a rare opportunity to get started in his Imperials for very little money.

Mr. Bowden reports that his first and second prize pullets at the big Cleveland, O., show were hatched in June. Write him for large illustrated mating list free.

MORRISON'S S. C. Reds
Silver Penciled Plymouth Rocks
and Blue Orpingtons

EGGS from these valuable prize-winning birds at live-and-let-live prices. Satisfaction guaranteed.

J. L. MORRISON
Staffordale Farm Plymouth, Mass.



STOP FIGHTING VERMIN THAT ANNUAL LOSS **SAVE THE CHICKS**

The Safety First Brood and Colony House

is made of the new **SANITO-BOARD** a composition without a rival for poultry house construction.

SANITARY SCIENTIFIC SUBSTANTIAL

Give your chicks a chance to grow free from lice, mites and dangerous pests if you want the golden Winter layers. Will pay first season. Send for circular B NOW.

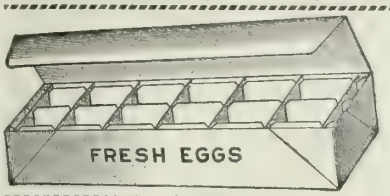
Poultry Appliance and Supply Co., 9 S. Clinton St., Chicago, Ill.

KLINGBEIL PARTRIDGE ROCKS

The Great Fancy and Utility Strain

Winners at New York, Boston, Providence and other leading shows. They have the show record as well as the quality record. Bred in line for greatest value. Eggs for hatching from special mated pens $5.00 per 15; from run of the flock, $3.00 per 15. Also Baby Chicks. Send for mating list. Also some very fine mated pens and cockerels for breeding.

PLEASANT VIEW FRUIT AND POULTRY FARM
PAUL KLINGBEIL, Prop. Sec'y and Treas. Partridge Plymouth Rock Club WALPOLE, MASS.



One Dozen Egg Boxes

20 Different Grades

If you are interested, write to the manufacturers and pioneers of the folding paper egg box for catalog FREE.

THE A. O. CRAWFORD COMPANY, INC.,
Established 1885 South Weymouth, Mass.

Baby Chicks of Quality

Our chicks are all free ranged, well bred, well hatched, and the kind that live and grow. Utility, red to lay, and Exhibition matings. S. C. White Leghorns, Brown Leghorns, Barred Plymouth Rocks, Buff Orpingtons, S. C. R. I. Reds, and R. C. R. I. Reds. It will pay you to write us before ordering elsewhere and learn why our chicks are "Chicks of Quality." Fireless brooders, best in the world, $3.95. Catalogue free.

THE HOUCK HATCHERY AND BREEDING CO., Dept. 14, TIFFIN, OHIO

Special Sale

Eggs--Day Old Chicks--Stock



Prices extremely low the balance of season. Hundreds of Utility and Exhibition Birds for sale at less than one-third their actual value. S. C. Buff, Black and White Orpingtons, Barred, Buff and White Rocks, S. C. White and Brown Leghorns, S. C. and R. C. Reds, White Wyandottes and S. C. Black Minorcas. Send for Catalogue, Sale List, etc.

Goshen Poultry Farms, R7, Goshen, Ind.

ANNOUNCEMENT

I wish to notify all my old customers and friends that I have severed my connection with Flanders White Leghorn Farm, Orchard Lake, Mich. I have retained 10 Grand Pens of Show Birds, which comprise all the winners at the late Chicago Coliseum Show, 1913. I shall do business hereafter from my own farm at Knoxville, Ill. Nothing for sale before Oct. 1st.

ROBT. D. PARMENTER, KNOXVILLE, ILL.



THE SIMPLICITY KANT-KLOG POULTRY FEEDER

6-quart size, especially adapted for low coops $1.50

This puts an end to all your poultry troubles—no more staying at home on Sundays—go when you like, stay as long as you like. You can rest assured that your chickens will be fed correctly and regularly. It feeds anything from whole corn to millet seed, saves feed, time and labor; it is sparrow and rat proof, never fails to work; it can't clog. **Your Money Back If Not Satisfactory.** Write for catalog today.

Dealers Wanted

Simplex Supply House, Pontiac Bldg., Chicago, Ills.

Canadian Factory: Birchcliffe Poultry Supply House, Birch Cliff, Ontario, Canada

CLASSIFIED ADS

UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and **five cents per word each insertion for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under **classified headings.** No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention **A. P. J. All copy for Classified Ads must reach us by the 17th of month preceding date of issue.**

ANCONAS.

ANCONAS. PRIZE WINNERS. Eggs, $2.00 and $3.00 per 15. Write for circular. Chas. G. Kalk, Sheboygan Falls, Wis. 5-7

ANCONA HATCHING EGGS. Large, well-developed prize winners. Graff Hubbard, Lock Haven, Pa. 5-6

ANCONAS—"SHEPPARD'S DIRECT." Selected eggs for hatching, $1.00 per 15; $5.00 per 100. Stock reasonable. W. L. Kirkpatrick, Hendersonville, Tenn. 3-5

THE "QUALITY STRAIN OF ANCONAS" are bred especially for early and persistent laying. Eggs from choice matings at reasonable prices. Write. S. B. Sykes, Gloversville, N. Y. 5-7

ANCONAS—SILVER CUP winners at Toledo, 1914. Eggs for hatching. King & Sheriff, Fayette, O. 4-5

ANCONAS, THE EGG FACTORY kind, and show birds. Eggs, $1,00, $2.00, $3.00 per setting. Stock for sale. E. Metcalf, Stockport, O. 1-5

ANCONAS, BOTH COMBS. Eggs, chicks. Circular free. William S. Rathbun, Kingsbury Ave., Jamestown, N. Y. 4-6

ANCONA EGG RANCH. C. G. Miller, South Paris, Me. Sheppard-Blencoe strains direct. No white diarrhoea. Eggs, $1.50 for 15; $4.00 for 50; $7.00 for one hundred. 4-6

SINGLE COMB ANCONAS exclusively. Stock and eggs at right prices. T. R. Miracle, Sistersville, W. Va. 4-5

MEYER ANCONA YARDS, Canton, Ohio. Home of the best in breeding and laying stock. Won wherever exhibited. Choice cockerels at utility prices; eggs, chicks, catalog. 2-14-tf

MOTTLED ANCONAS, S. C. Large, vigorous, well mottled birds. Dark wings and tails. Winners at both Chicago shows. Catalogue free. Waveland Poultry Yards, 5858 Waveland Ave., Chicago, Ill. 3-5

S. C. ANCONAS, SHEPPARD'S famous strain, large, dark, farm raised, dark tail and wings; won 14 ribbons last show. Best mating, $2.50 per 15, prepaid parcel post. Guarantee good hatch. Stock for sale. Mrs. M. R. Ward, R. F. D. 3, Carmi, Ill. 3-5

ANCONA EGGS FOR SALE at $3.00 per 15 from the best laying strain, the kind that wins, that lays and that pays. Mrs. Herbert Cortner, R. R. 16, Farmland, Ind. 3-5

ANCONAS—EITHER COMB. Fancy show birds now ready; let me help you when you show. Mark Lewis, Alma Center, Wis. 3-5

S. C. ANCONAS. First cockerel Pittsburgh's great show. Stamp brings cockerel's photo and egg price list. Geo. W. Harris, Route 3, Shelby, Ohio. 3-5

ANCONAS—IF YOU want to win, get eggs or chicks from my Royal Blue strain, that have black tails, wings, and yellow legs. Frank W. Mains, Morris Plains, N. J. 3-5

ANCONAS—WINNERS of Central Palace, New York City; Pittsburgh, Pa., and other large shows. Eggs $1.50 per 15 straight. W. B. Lashley, Powhatan Point, Ohio. 3-5

ANCONAS—GREAT LAYERS of big snow-white eggs. Best mating, $1.50 per 15. Second mating, $1.00. Best laying strain and will produce winners for next year's shows. Harford Bros., Worthington, Ohio. 3-5

GREGOIRE'S ANCONAS WINNERS four-fifths of first prizes competed for since 1908. Eggs $1.00, $2.00 per 15. P. E. Gergoire, Newton, Ill. 3-5

S. C. ANCONAS of quality. Blue ribbon winners at Madison Square, Palace, Allenton, Hagerstown, Paterson, Augusta. Eggs $3.00, $5.00, $10.00 per 15. Geo. W. Cisco, 134 Kearney St., Paterson, N. J. 3-5

ANCONAS. NO STOCK for sale. Eggs in season. Write for prices. Satisfaction guaranteed. Rev. W. J. Perry, Oconomowoc, Wis. 3-14-tf

ANCONAS—YOU WANT THE MOST EGGS and prettiest chickens. Raise, bred in the Berkshires, strain of Mottled Anconas. Rose Comb, $3; single, $2.50 per 15. T. J. Thurston, Pittsfield, Mass. 5-7

MILLER'S S. C. ANCONAS. Trap-nested and line bred for egg production and exhibition; blue ribbon winners. Eggs, chicks and stock for sale. Catalogue free. M. L. Miller, Johnstown, Pa. 3-5

ANCONAS, PERSISTENT LAYERS, exhibition winners. Eggs, stock. Edwin J. Seal, Rockford, Ill. 3-5

ANCONAS, SINGLE COMB. Eggs for hatching, $2.00 for 15, or two settings for $3.00. Carl Ebert, Whittemore, Iowa. 3-5

SINGLE COMB ANCONA eggs for hatching, $1.50 per 15. Anthony L. Elembaas, Zeeland, Mich. 3-5

ANCONAS—SINGLE COMB. Young and old stock for sale. Eggs, $1.50 for 15. C. E. Brown, Powhatan Point, Ohio. 3-5

ANCONAS. SHEPPARD STRAIN. Farm raised. Bred for exhibition and utility purposes. Prices reasonable. John Lent, Malta, Ohio. 3-5

KING OAK ANCONAS. Both combs. First prize winners Boston. Eggs and baby chicks. Lewis C. Strang, East Weymouth, Mass. 3-6

SHEPPARD STRAIN ANCONAS. Eggs, $2.00 for 15; baby chicks, 20 cents each, from prize winners. Miss L. L. Garvin, Rural Box 36, Wheeling, W. Va. 3-5

ANCONAS—SHEPPARD'S "Living Egg Machines." Cockerels and pullets (now laying) for sale. Eggs, 15, $2.00; 30, $3.50. Rev. E. H. Keator, Franklin, Park, N. J. 12-7

ANCONAS! SINGLE COMB, grand, large, dark breeding birds for sale, males and females from a great laying strain. Eggs, $1.50 per 15, $7.00 per 110. Geo. C. Schwegman, Richmond, Ind. 2-5

DON'T DELAY writing for that mating list of "QUALITY" Anconas. Contains the season's winners, etc. A special offer that will interest you. S. B. Sykes, Gloversville, N. Y. 3-5

GRIMM'S CELEBRATED Anconas, winners of first prizes at leading shows, including the recent ones at Kansas City and St. Louis. Quality high. Prices low. Booklet free. Eggs, $1.50 to $5.00 per 15. Every egg guaranteed fertile. Fred Grimm, Webster Groves, Mo. 1-14-1yr

SHEPPARD'S FAMOUS ANCONAS — THE world's best. See display advertisement first page. Cecil Sheppard, Berea, Ohio. 11-13-1yr

ANDALUSIANS.

BEAUTY STATELY STRAIN. Birds of type, color and lacing, bred for vigor and size. Prolific layers. Mating list ready. L. C. Boggs, Bloomington, Ind. 3-5

ANDALUSIANS. CANADIAN-English strains. Eggs, $1.50 per 15. Fertility guaranteed. J. Brasser, Lewiston, N. Y. 3-5

HIGHEST STANDARD BREEDING. 15 eggs, $2.00 prepaid. S. R. Wainright, Port Byron, Ill. 3-5

BLUE ANDALUSIANS—BRED AS A SPECIALTY and producing winners at all the shows. Winner of Connecticut state championship in the Mediterranean class, 1912-13; 75 ribbons and 14 specials at 10 shows; 5 June hatched pullets, Storrs contest, 12 months, laid 810 eggs. I have the best stock in the U. S. at reasonable prices. Wonderful layers of large white eggs. Stock and eggs for sale. Send for 1914 mating list. E. D. Bird, Greenwich, Conn. 2-5

BANTAMS.

BLACK TAIL JAP BANTAMS and eggs for sale. Buff Cochin Bantam eggs. C. F. Kraning, North Manchester, Ind. 5

COCHIN BANTAMS. Partridge and Blacks, winners at all leading shows. Stock at all times. Eggs in season. Circular. John D. Prideaux, Benton Harbor, Mich. 4-6

EXHIBITION JAPANESE BANTAMS. Black Tailed, White, Black, Golden Seabright, Black Rose Combs, White Polish. Birds, $2.00 up. Hez. Kinter, Dillsburg, Pa. 4-6

LIGHT BRAHMA BANTAMS—Finest flock in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C, Dougalston, Long Island. 1-14-1yr

BUFF COCHIN BANTAMS. Eggs from No. 1 pen, $2.00 per 15. Stock for sale. Fred M. Haas, Machias, N. Y. 3-5

BANTAM SPECIALIST. Buff, Black, Partridge Cochins, Light and Dark Brahmas. I ship on approval. Circular free. Geo. C. Salmon, Port Dickinson, N. Y. 1-14-tf

BARRED PLYMOUTH ROCK Bantams, little beauties. Eggs, $2.00 per 12. Ernest L. Peck, 560 Winthrop Ave., New Haven, Conn. 3-5

WHITE COCHIN BANTAM eggs, $1.00 per 15. Black tail Japanese eggs, $2.00 per 15. Louis Yender, Naperville, Ill. 3-5

BANTAMS bring profit and pleasure. Our monthly tells how and why. Send 50c for a year's subscription or ten cents for a three months' trial. American Bantam Fancier, 933 Advertising Bldg., Chicago. 1-14-tf

BANTAMS AND EGGS. Sebrights, Cochins, Games, Japanese Brahmas, Rose Combs, Polish, Barred Rocks. Egg orders booked. Send 2c stamp for circular. A. A. Fenn, Box 37, Delavan, Wis. 1-6

RARE BARGAINS. Golden and Silver Sebright, Buff, Black, White and Partridge Cochins, Rose Comb Black, Black Tailed Japanese, Red Pyle and Black Red Game Bantams. Proper & Son, Schoharie, N. Y. 8-13-1yr

BLACK TAILED JAPANESE BANTAMS—Indiana State Fair, all firsts, all seconds, all thirds but one; Indianapolis, January, six entries, all firsts, one second; 15 eggs, $2. James R. Pearcy, Martinsville, Ind. 2-5

BRAHMAS.

DARK BRAHMAS. Color, penciling correct. Six breeding pens. Dr. S. Lott, Bellona, N. Y. 5-6

LIGHT BRAHMAS. Won 3rd cock, 3rd hen, Indianapolis on two entries. Eggs, $3.00 per 15. Aaron J. Felthouse, Elkhart, Ind. 4-7

DARK BRAHMAS, 36 years, best eggs. W. F. Wright, Lapel, Ind. 3-6

LIGHT BRAHMAS. Good dark markings; eggs, $1.50 per 13. Circular free. Charles Hunt, Clarksville, Iowa. 3-5

LIGHT BRAHMAS EXCLUSIVELY 15 years. Extra fine. Eggs, $1.50 for 15; $2.50 for 30. A. T. Baird, Eureka, Ill. 3-5

LIGHT BRAHMAS. Choice breeders for sale. Eggs, $2.00, 15; $5.00, 45; $9.00, 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

BUCKEYES.

DEEM'S ARISTOCRAT BUCKEYES, leading strain. Buckeye Poultry Yards, Eaton, Ohio. 5-6

BUCKEYES—During May and June I will ship prepaid to any address Fifteen Selected Eggs from my best matings for $5.00. Will also ship Two good breeding Hens and a male for $10.00. Order from this ad. Elton C. Mahon, Buckeye Specialist, Norwood, Tenn. 3-5

WEISBERG'S QUALITY BUCKEYES, the leading strain. Eggs from superb matings, $5.00 setting; two, $9.00. Free catalog. A. H. Weisberg, Nevada, Mo. 4-6

MY MAHOGANY RED strain leading winners at Boston's big show. John C. Steitz, Warehouse Point, Conn. 3-5

FANCY BUCKEYE COCKERELS for sale. Eggs, $1.50 to $3.00 per 15. Paul Westphal, Cambridge, Wis. 3-5

BUCKEYE STOCK AND EGGS from blue ribbon winners. Catalogue free. Lindley Place, Meshoppen, Pa. 5-13-tf

BUCKEYES. THIRTEENTH YEAR. Columbus winners; best shaped male. Gardner Dunning, St. Marys, Ohio. 3-5

BUCKEYE EGGS, $2.00, parcel post prepaid. Wm. Crabbs, Milburn Ave., Toledo, O. 3-5

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BUTTERCUPS, EVERLASTING LAYERS, White Eggs. Beautiful pets. Prize winners. Eggs, 15 for $1.50, 30 for $2.75. Circular. Thompson Poultry Company, Bayshore, N. Y. 5

BUTTERCUP EGGS FROM Alvina, the 309-egg hen, and pens headed by her cockerels; per 15, $3.00 up. Circular. Rev. Sahler & Sons, Harlingen, N. J. 4-6

BUTTERCUPS. EGGS, PRIZE winning stock, $3.00 and $5.00 setting. Peterson & Johnson, Edison Park, Ill. 5

SICILIAN BUTTERCUPS, world's champion layers, lay large white eggs. Very handsome, and the tamest of all breeds of poultry. Larger and eat only half as much as Leghorns. Thoroughbred stock for sale cheap. Hatching eggs, $2.00 per 15. Henry Woodworth, Box 505, Cheboygan, Mich. 4-6

BUTTERCUPS. 15 eggs, $2.50; 30, $4.00; 100, $12.00. H. H. Henery, Stockport, O. 4-6

IF INTERESTED IN BUTTERCUPS, write for catalog. Eggs, $2.00 up. Also baby chicks. H. Court, Kankakee, Ill. 4-6

BUTTERCUPS. BLUE RIBBON winners. Mating list now ready. W. H. Nash, Redkey, Ind. 4-5

SICILIAN BUTTERCUPS. Booking egg orders now from carefully selected breeders. Correspondence solicited. J. F. Autin, Shaverstown, N. Y. 3-5

ORNAMENTAL POULTRY FARM "Fauna" importers and breeders for 27 years of absolutely pure Sicilian Buttercups, German and English Lakenvelders, improved Silver Campines, Japanese Phoenix. Eggs for hatching. Catalogue. Hugo C. Eckardt & Son, Oconto, Wis. 3-5

SICILIAN BUTTERCUPS from imported stock. Non-related matings. Prize winners. Fertility guaranteed. Eggs, $1.50 per 15; $2.75 per 30. Ed Henze, Plymouth, Wis. 3 6

EGGS FROM QUALITY Buttercups. Blue ribbon winners wherever shown. Booklet free. Rood, Buttercup Specialist, Garrettsville, O. 3-6

BUTTERCUPS OF QUALITY. $2.00 per 15 eggs. J. C. Robertson, Galion, Ohio. 3-5

WILLIAMS' BUTTERCUPS WIN at big Cleveland shows, 1st, 3rd, 4th pullets; 3rd pen, silver cup for best display. Eggs, $1.50 up. Catalogue. E. H. Williams, Berea, O. 3-5

BUTTERCUPS. 15 eggs, $3.00; 30, $5.00; 50, $8.00. Cockerels, $3.00 each. Henry Schowe, New Bremen, Ohio. 3-5

CHARLES H. KRUEGER, Coopersburg, Pa., offers eggs for sale from a heavy laying strain. Prices reasonable. 3-5

EVERLASTING BUTTERCUPS pioneer winners. Coming general utility poultry. Scheperd Brothers, Parkville, Md. 3-5

BUTTERCUPS. LEADING STRAIN; quality stock. Five years' experience. Eggs and cockerels for sale. Dr. F. Hayes, Conroy Bldg., San Antonio, Texas. 3-5

BUTTERCUPS — EXHIBITION QUALITY. Booking egg orders now. Prices reasonable. Fred Lauer, Queen City, Mo. 2-5

BUTTERCUPS—BROWE'S "Everlasting Layers." Cockerels, pullets and yearling hens. Eggs, 15, $3.00; 30, $5.00. Rev. E. H. Keator, Franklin Park, N. J. 12-5

WINNERS AT GRAND CENTRAL PALACE, Mineola, Sayville, Hempstead. Fifteen eggs, $1.50 up. Baby chicks reasonable. Hens for sale; eggs half price after June 1st. Circular. A. Dupree, Sayville, New York. 4-6

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CHESTNUT HILL CAMPINE Farm, Coopersburg, Pa., specialize in Silver Campines. Baby chicks, 25c. 3-5

SILVER CAMPINES. Jacobus Improved strain. Eggs from prize winning birds, $2.00 for 15, 75% fertility guaranteed. Oscar C. Roettger, New Bremen, O. 4-5

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CHAPMAN'S CAMPINES. Cockerel King Gold Bar, first and special, Philadelphia, 1913. Silvers also. Catalog free. Jos. F. Chapman, Box J, Brackenridge, Pa. 4-6

REDUCED HALF PRICE—Improved Campine eggs. Both Silver and Golden—winners wherever shown. None better. Send for free circular and mating list, before eggs are all booked. The Martling Hennery, P. O. Box 186 N, Ridgefield, N. J. 2-14-1yr

GOLDEN AND SILVER CAMPINES—To succeed, start right with an old established breeder. Stock and eggs for sale. I. Putnam, Route 105, Elmira, N. Y. 5-6

CAMPINES—17 FIRST prizes and 20 specials at Madison Square Garden, New York; Boston and Baltimore. Eleven more than all competitors combined at the three greatest American shows. Start only with the best. It pays in the end. E. F. Dean, Williamsport, Pa. 4-6

RECENTLY PURCHASED SOME of the leading prize winners of this country, read our ad., page 853. Then send for circular containing unretouched photos; at the price which we ask for eggs we will soon have no more to offer. Just-Plucked Egg Co., Lloyd C. Brackett, Mgr., Hopkins, Mich. 3-5

CAMPINES—GOLDEN AND SILVER, Jones strain. Eggs for hatching. Infertiles replaced. Duncan McPheeters, Harlan, Iowa. 5

SILVER CAMPINES, stock and eggs, reasonable. August W. Schroeder, St. Peter, Ill. 5

CHOICE PENS OF GOLDEN AND Silver Campines, containing birds imported direct from Judge Edwards. We won firsts at Springfield, Dalton, North Adams and Lenox and many specials, present season. Berkshire Hills Poultry Yards, F. R. Shaw, Proprietor, Adams, Mass. 4-5

GOLDEN AND SILVER CAMPINES. Our matings are composed of high-class birds. See our ad on page 852. Gensemer Bros., Creston, O. 5

BUFF CAMPINES, most beautiful of all Campines. Plenty of stock after July first. No eggs. Originator of White, Buff and Blue Campines. R. P. Buffington, Springfield, O. 4-6

SILVER CAMPINES, winners at both Buffalo shows, also Ancona winners. Eggs for hatching, $1.50 to $5.00. Send for mating list. C. F. Wheelock, Hamburg, N. Y. 3-6

SILVER CAMPINES OF QUALITY. First prize winners at Buffalo. Eggs from selected matings, $4.00 for 15; $7.00 for 30. Lew H. Bown, East Aurora, N. Y. 4-6

CAMPINE HATCHING EGGS. Few settings left. Baby chicks, Kennedy's strain. Shearer-Henry Poultry Yards, Delavan, Wis. 4-6

BAYERDORFFER, OAKWOOD HEIGHTS, N. Y., has the best barred, large egg, heavy laying strain Silver Campines. Eggs, $2.50 setting; $15.00 per 100. Mating list free. 4-6

WHITE CAMPINES lay the largest eggs of any of the Campines. True Campines with a white plumage. Start now and reap a harvest. Eggs, $10.00 per 15. Originator of White, Buff and Blue Campines. R. P. Buffington, Springfield, O. 4-6

IMPROVED SILVER CAMPINES. Eggs for hatching from the grandest pens ever mated. Send for mating list. P. J. Vanderlinda, Desk C, 149 Langdon Ave., Grand Rapids, Mich. 4-6

SILVER CAMPINES. Baby chicks and eggs for sale. Geo. Yauson, Middleburg, N. Y. 4-6

SILVER CAMPINES—Stock from England and America's best. Eggs, $3.00 per 15. J. A. Welsh, Greencastle, Pa. 3-5

SILVER AND GOLDEN CAMPINES—Think of these beautiful birds and you must think of Manhattan Farms. Their yards contain the Pace-makers of America. Send for mating list, and after May 15th cut regular prices in half. Get in early on this reduction, because we are going to be oversold. Manhattan Farms, Geo. E. Noeth, Owner, Brighton, N. Y. 2-14-tf

SILVER CAMPINES. JACOBUS STRAIN. Eggs, $3 for 15; none better. George Althoff, New Bremen, O. 3-5

CHAMPION IMPROVED SILVER and Golden Campines (Kennedy's best pens). All pens headed by clean backed males. Egg catalogue. Thos. Brogden, Rush Lake, Wis. 3-5

IMPROVED SILVER CAMPINES. Stock and eggs. Rev. W. Berberich, Groton, N. Y. 3-5

SILVER CAMPINES. Living egg machines. Poor man's friend. Satisfaction guaranteed. R. Young, Lawrence, Mich. 3-5

IMPROVED SILVER CAMPINES in their purity, as bred by Jacobus and Rev. Jones of England; no fancy prices; eggs at about half charged elsewhere. Special low prices on orders booked during March. H. W. Ackerson, Box 96, Washington, N. J. 3-5

SILVER CAMPINES. Kennedy and Jacobus strains. Eggs, March 1st, $3.00 per 15. E. N. Gemmill, R. D. 4, West Chester, Pa. 3-5

SILVER CAMPINES. Cockerels and eggs for sale. Henry Schowe, New Bremen, O. 3-5

CAMPINES LAYERS EXTRAORDINARY—Why should you consider them? A few more clear-backed Golden males, exhibition stock, breeders, eggs. Mating list. Chippewa Poultry Yards, Box 3, Seville, O. 2-14-tf

IMPROVED SILVER AND GOLDEN CAMPINES. Imported stock and eggs for sale. Write for prices. Klager's Poultry Yards, Hespeler, Ont., Can. 3-5

SILVER CAMPINE EGGS from imported stock, $3 per 15, $5 per 30. J. P. Wood, Benwood, W. Va. 3-5

IMPROVED SILVER CAMPINES. Bred to lay. Eggs, $2.00 for 15. E. C. Konkle, Brookside Poultry Farm, R. 1, Altoona, Pa. 3-5

CAMPINES—GOLDEN, SILVER. Kennedy's strain. "Lay and Pay!" Eggs: Fifteen, $3.50; thirty, $6. Fertility guaranteed. Rev. E. H. Keator, Franklin Park, N. J. 12-5

IMPROVED SILVER CAMPINES. Clean sweep Wheeling, W. Va., show. Eggs $2.50 per 15. W. B. Lashby, Powhatan Point, Ohio. 3-5

GARRELL'S PEERLESS CAMPINES have proven their superiority by their winnings at the recent shows at Kansas City, Springfield and St. Louis. If you want high class stock or eggs at modest prices, send for free booklet. Julius Garrell, Webster Groves, Mo. 1-14-1yr

COCHINS.

PARTRIDGE COCHIN EGGS, $1.25 per 15; $5.00 per 100. Very fine stock. Elmer Niece, Frenchtown, N. J. 3-5

CORNISH.

DARK CORNISH EGGS from winners, $2.00 and $4.00 per 15. L. B. Proal, Buechel, Ky. 5

WHITE CORNISH. Fifteen eggs, $2.00. C. D. French, Timberville, Va. 4-6

HENNESSY'S DARK CORNISH. Winners for 18 years; grand shape and lacing. Eggs, $2.00 per 15; scored cockerels for sale; duplicates, cards. Hennessy Bros., Strawberry Point, Iowa. 3-6

DARK CORNISH OF QUALITY. Eggs two dollars per setting. Mrs. John Wampler, Broadway, Va. 3-5

DARK CORNISH—Eggs from three grand pens. One pen all imported. Mating list free. W. W. Graves, Jefferson City, Mo. 3-6

CHAMPION DARK CORNISH. Guarantee stock and eggs. Morris & Rearick, Eaton, Indiana. 3-6

WHITE CORNISH. Royal strain. Eggs from winners, $2 per 15; 50, $5. Springbranch Poultry Farm, Bellville, O. 3-5

DARK CORNISH eggs for sale. Write for prices and mating list. Henry Cowgill, Lamar, Mo. 3-5

DORKINGS.

RALPH CHANT, JOHNSTOWN, N. Y. Dorkings won 3 first Madison Square, 1913. 4-5

SILVER GRAY DORKINGS EXCLUSIVELY 25 years. The very finest, as our records show. More first and special prizes at New York and Boston shows the last 16 years than all competitors combined. Display and all specials, New York, Dec., 1913. Eggs from six grand pens, $4.00 for 13; $7.00 for 26. Watson Westfall, 175 Cayuta St., Sayre, Pa. 2-5

GAMES.

BLACK REDS. Pyle's, Silver Duckwings. Heavyweights. Purely bred. 15 eggs $1.75. Jesse Bromley, Washington, Mich. 3-5

HAMBURGS.

SILVER SPANGLED HAMBURGS—Chicago, Pittsburgh, Indianapolis and Nashville winners. H. F. Alberding, North Judson, Ind. 5

SILVER SPANGLED HAMBURG eggs for hatching. Great laying strain. Our winnings for the last five years show the stock. $2.50 and $2.00 per 15. Raymond Heald, West Chester, Pa. 3-5

SILVER SPANGLED HAMBURGS—Bred for eggs. Eggs for setting: $1.00, 15; $2.00, 40. H. H. Scott, Sinks Grove, W. Va. 3-5

SILVER SPANGLED HAMBURGS—Won at Hamburg state meet and other shows. Circular free. John Laas, 1010 Buckingham St., Toledo, Ohio. 3-5

LISTEN—REAL GOOD Silver Spangled Hamburgs, for show purposes, sharp spangles, low, wide tails, good comb and shape, prize winners, originator "Beauty Spot" strain. Breeder 12 years. Eggs $2.50 for 15; $4.00 for 30. Circular free. Charley Laughlin, Bloomfield, Ind. 3-5

SILVER SPANGLED BREEDING stock, eggs, chicks. Show and utility. E. V. Root, Bangor, Mich. 2-5

SILVER SPANGLED AND BLACK HAMBURGS. "Black Diamond" strain. Highest honors at Madison Square and other leading shows. A trio we sold in 1913 won 1st cock, 2nd hen at the Palace show and 1st cock, 1st and 2nd hens at Madison Square. Eggs, $3.00, $5.00 and $10.00. Will L. Clark, Pres. Am. S. S. Hamburg Club, Sullivan, O. 2-tf

HOUDANS.

BAST'S HOUDANS—AMERICA'S BEST. Highest awards Boston, 1914; Madison Square Garden. Best display, Philadelphia, Hagerstown, Allentown. Write your wants. Prices reasonable. W. F. Bast, Phillipsburg, N. J. 5

HOUDANS—YOUNG AND OLD stock, eggs for hatching. T. E. Meyer, Lombard, Ill. 4-6

HOUDANS—WORTH HAVING—the coming fowl. Setting, 13 eggs: Pen 1, $3.00; Pen 2, $2.00; Pen 3, $1.50. Very reasonable considering quality. C. A. Kelly, Browntown, Wis. 4-5

FAMOUS HOUDAN eggs and cockerels from as fine as any. Photographs in catalogue for stamp. R. A. Troth, Orleans, Ind. 3-5

HOUDANS AS THEY SHOULD BE! More firsts, club ribbons, cups, gold specials at largest shows than all competitors combined! Superior stock. Eggs, $2.50 and $5.00. Don't buy until you read free illustrated circular. Dr. H. E. Dunne, Center Street, Ridgeway, Pa. 3-5

HOUDANS—278-egg strain. Silver Spangled Hamburgs, fancy and utility eggs, chicks, catalogue. Fred Brenon, 122 North Pleasant St., Watertown, N. Y. 3-5

MODEL HOUDANS—bred first for vigor with laying ability; then for size, with shape and detail. Winners at Madison Square, Hagerstown, Pittsburgh and etc. A good hatch guaranteed. Houdan Yards, Sewickley, Pa. 3-5

FRANCOIS STRAIN HOUDANS; bred to lay as well as win; eggs, $3.00 per fourteen. E. L. Sweetser, 959 Emmett St., Schenectady, N. Y. 3-5

MY HOUDANS ALWAYS WIN, and my price is what? Eggs only $1.00 per 13. H. Merriam, Ashburnham, Mass. 3-5

HOUDANS, 15 eggs, $1.00. Stock, $5.00 per trio. Weber Bros., Maugansville, Md. 3-5

THE WORLD'S GREATEST Houdans are McAvoy strain. Have several fine birds which I guarantee. Write me your wants, I can supply you. Price very reasonable. F. M. Griffith, Wayne, Neb. 3-5

IDEAL HOUDANS. Eggs, $3.00 for 15. Cockerels for sale. Farm raised. Write me. A. C. Lansdell, Kennett, Mo. 3-6

HOUDANS. Proprietor all Peterson's. Also book, 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 11-13-tf

HOUDANS. EGGS AND STOCK. Boston winners. Stamp. Reply. S. L. Morse, Harrison, Me. 5-13-tf

JAVAS.

WRITE S. W. MORTON, Secretary American Java Association, Albany, N. Y., for list of leading breeders. 3-8

LAKENVELDERS.

LAKENVELDERS—MYERS' SENSATIONAL, beautiful fowls were winners of five firsts, Chicago, 1912, and four firsts, Freeport, Ill. Catalog free. Frank Myers, Freeport, Ill. 5-7

LAKENVELDERS. DAY OLD CHICKS, $25.00 per 100; $7.50 per 25. Safe delivery guaranteed 1,000 miles. Eggs, $3.00 per 15 or $12.00 per 100. Hens or pullets with pure white bodies at $5.00 each. Winners at Madison Square and Chicago. W. R. Legron, Harvard Terrace, Toledo, O. 4-6

SENSATIONAL OFFERS IN Lakenvelder eggs. Booklet free. Riverside Poultry Yards, Johnstown, Pa. 3-5

LAKENVELDERS EXCLUSIVELY. Bred from imported prize winners. Stock and eggs for sale. H. G. Melton, Marengo, Ind. 3-5

LAKENVELDER EGGS. From prize winners. $1.50 per 15. C. E. Hathaway, Sheffield, Pa. 3-5

LANGSHANS.

BLACK LANGSHAN EGGS, $1.25 to $2.50. Mrs. Ray Marr, Chatsworth, Ill. 5

EGGS — BLACK LANGSHANS exclusively. Write Laura Thrash, R. R. 11, Ft. Wayne, Ind. 5-6

WHITE LANGSHANS of quality. Eggs for hatching. Tariff off. Alonzo Tyner, Greenfield, Ind. 4-6

WHITE LANGSHANS—as good as the best and better than the rest. C. C. Leitnaker, Basil, O. 3-5

BLACK LANGSHANS. Choice breeders for sale. Eggs: $2.00 15, $5.00 45, $9.00 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

AMERICA'S BEST BREED of Black and White fancy show eggs, $2 per 15. Stock for sale. Harry Dixon, Bloomfield, Ind. 3-5

HIGHLY FERTILE BLACK Langshan eggs from the famous "Princess Jetta" strain of Madison Square Garden, New York, winners and fine layers. $5.00 per 15, delivered free. Send today for mating list. R. W. Bishop, Guilford, Conn. 3-5

BLACK LANGSHANS. Eggs, $5.00, $3.00, $1.50 per 15, prepaid. Ask for 16-page catalogue. Tony de Haas, Orange City, Iowa. 3-5

S. C. WHITE LEGHORNS.

CHICKS: MAY 5, $13.45 per 100; then 49c less each week; hatches every Tuesday; safe delivery guaranteed; Bully Good Wyckoff breeders; circular free, showing photographs; old reliable establishment. George Phillips, R. 111, Seymour, Conn. 5

WYCKOFF - BLANCHARD SINGLE COMB White Leghorns, prolific layers, large eggs, 100, $4.00. Prospect Hill Farm, Glen Ellyn, Illinois. 5

WE ARE NOW BOOKING orders for eight weeks' old English Single Comb White Leghorn cockerels, $1 each. Delivery June 5. Eggs for hatching, $5 per hundred. Catalogue on request. Tomoka Poultry Farm, Ellington, Conn. 5-6

SINGLE COMB WHITE LEGHORNS. Eggs now $5.00 per 100. From selected, trapnested hens with good egg records and silver cup winners. Will make low prices on breeding stock for summer and fall delivery. Special prices on young cockerels from best layers. C. W. Balke, Urbana, Ill. 5

BABY CHICKS—SINGLE COMB White Leghorns. Choice stock of the best laying strains; satisfaction and safe delivery guaranteed. June delivery, $9.00 per 100; $85.00 per 1000. Harry Palmer, Middleport, N. Y. 5

WYCKOFF WHITE LEGHORNS. Fifteen eggs $5 cents, 30 for $1.50, 100 for $4. None better. Circular. Thompson Poultry Company, Bayshore, N. Y. 5

1500 BABY CHIX from selected trapnested breeders for May delivery at reduced prices. Also guaranteed hatching eggs. Free circular. Devil's Glen Poultry Farm, Davenport, Iowa. 5

SELECTED HATCHING eggs from heavy winter laying Single Comb White Leghorn thoroughbreds. Prices to please. Woodward Poultry Farm, Clinton, Michigan. 5

S. C. W. LEGHORN eggs from excellent layers and show birds. $1 per thirteen. J. A. Hollensworth, Owego, N. Y. 5

"BARRON'S" SINGLE COMB White Leghorns. Eggs from pure bred stock, five dollars for fifteen eggs. Stock for sale this fall. Three hundred Young-Wyckoff yearling hens for sale. Koontz Poultry Farm, New Martinsville, West Virginia. 5-8

S. C. W. LEGHORNS. Superior as prize winners and egg producers. They are bred that way. Try our Perfection strain and be convinced. Write for illustrated catalog today. It's free. Eggs, $1.25 per 15; $4.00 per 100. Chicks, $10.00 per 100. Why pay more? W. M. Harrod, Flat Rock, Ind. 3-5

HIGH CLASS SINGLE COMB White Leghorns, Young's strain direct, wonderful layers, 15 eggs $1.00, 50 $3.00, 100 $4.50, 200 $8.50. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 2-5

S. C. WHITE LEGHORNS—Corning's and Cyphers' first quality direct. Hatching Eggs, $6 per 100; chicks, $12; fertility and safe delivery guaranteed. St. Johnsville Poultry Farm, St. Johnsville, N. Y. 5

COMMERCE STRAIN S. C. WHITE LEGhorns—Originated for eggs, produce winners, too. They're white. Eggs, $1 per 15; $5 per 100. Chicks, 12c each. June Special—Eggs, $3.50 per 100. Chicks, 9c each. Small deposit now reserves order. Everfresh Egg Farm, Dept. A, Ionia, Mich. 5

PURE WHITE SINGLE COMB WHITE LEGhorns. Fifteen eggs from best pen. Parkside direct, $3.50. Fifteen eggs from prize winning pen, $2. Meadow Farm, Coulterville, Ill. 5-7

SINGLE COMB WHITE LEGHORNS, stock and eggs. August W. Schroeder, St. Peter, Ill. 5

EGGS—PURE YOUNG strain. S. C. White Legborns. $5 per 100, $1 per 15. Sterling Poultry Co., Sterling, Ill. 4-6

S. C. W. LEGHORNS—stock, eggs and day-olds. Young's strain. The Colton Egg Farm, R. 4, Aurora, Ill. 4-5

SINGLE COMB WHITE LEGHORNS noted for their heavy laying. Eggs, $5.00 per 100. Some breeding stock for sale. L. Henely, Geneva, Ill. 4-6

SINGLE COMB WHITE LEGHORNS (Young's strain). Eggs from strong, good-laying stock, $1 to $1.50 per 15. Hazel Lindsey, Litchfield, Mich. 4-5

S. C. W. LEGHORNS. Bred for egg production. We have 500 hens. The exclusive breed on a 200-acre farm. All together on free range. Will sell you eggs at 75c per 15, $4.00 per 100 or $35.00 per 1,000. Day-old chicks at $3.00 per 25, $10.00 per 100, $85.00 per 1,000. These eggs and chicks are full of vitality. Safe delivery guaranteed. W. R. Legron, Harvard Terrace, Todedo, Ohio. 4-6

WHITE LEGHORN EGGS, 75c per 15. C. O. Cooper, Niles, Mich. 4-6

DAY-OLD CHICKS and hatching eggs from heavy winter layers. Flocks of 60 averaging 160 to 170 eggs per layer. Safe arrival of chicks and fertility of eggs guaranteed. Hens and well-developed cockerels exclusively used for breeders. Correspondence invited. Hawthorne Leghorn Farm, 2406 Flatbush, Ave., Brooklyn, N. Y. 4-6

SINGLE COMB WHITE LEGHORNS. Very white. Heavy egg strain. Scoring to 96. Winners Columbus, Toledo, Dayton, etc. Large size. Satisfaction guaranteed. I. R. Mankel, Upper Sandusky, O. 4-6

SINGLE COMB WHITE LEGHORNS. D. W. Young strain. Eggs, $5.00 per 100; $1.00 per 15. Eighty per cent hatch guaranteed. L. P. Selle, Wenona, Ill. 4-6

S. C. WHITE LEGHORNS (Wyckoff and Young's separate), 13 prizes on 13 entries, Utica and Sidney, 1913. Specials for best cock, hen, cockerel, pullet and best shaped bird at Sidney. Stock and eggs reasonable. Write for prices. J. A. Shineman, Canajoharie, N. Y. 4-6

ONLY EGG PRODUCERS of merit are used in our pens of fine S. C. White Leghorns. Let them work for you. Settings from good utility stock, $1.50 per 15. Few from best pens, $3.00 per 15. Turner's Poultry Farm, Maumee, O. 4-5

NONE BETTER S. C. WHITE Leghorns. Eggs for hatching. Day-old chicks, pullets for layers and stock for breeders. Our stock is as good as the best. Our prices reasonable. Our terms sensible. Write us. Summit Poultry Farm, Ridgely, Md. 4-6

S. C. WHITE LEGHORNS that lay, weigh and win. Every breeder a record selected. Fertility and quality guaranteed. Eggs, pen 1, $5.00; pen 2, $3.00; pen 3, $2.00 per 15, and from select stock, $4.00 per 100. E. H. Thomas, R. 3, Linn Grove, Iowa. 4-5

SINGLE COMB WHITE LEGHORNS. Good winners at Indianapolis, Detroit, Battle Creek, etc. Farm raised. Eggs by the setting or hundred. C. W. Hosmer, Union City, Mich. 4-6

S. C. WHITE LEGHORNS. Circular free. C. M. Robinson, Van Wert, O. 3-5

DUNE ALPINE STRAIN S. C. White Leghorns are acknowledged by all breeders as best strain for show and laying purposes. Eggs and stock for sale. Wm. M. Jones, East Hampton, N. Y. 3-5

S. C. WHITE LEGHORNS. Several hundred hens and pullets, bargain prices. Eggs, $2.00 15, $7.00 100. Baby chicks, $12.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

SINGLE COMB WHITE LEGHORNS. Range raised, heavy layers. Newtown strain. Eggs, $6 hundred; chix, twelve cents each. Satisfaction guaranteed. Longfield Farm, Cason Bros., Props., Carrollton, Mo. 3-5

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DAY-OLD CHICKS, hatching eggs (Wyckoff strain), from selected winter layers, no pullet breeding. Prices greatly reduced. Satisfaction guaranteed. Oakdale Farm, Box A, Chester, New Jersey. 3-5

SINGLE COMB WHITE LEGHORNS. Extra fine utility stock. Bred to lay, and lay they do. Eggs, $3.00 for 15. William Jackson, Magley, Indiana. 3-5

SINGLE COMB WHITE LEGHORNS (Young's strain direct), free range, heavy layers. Eggs, $1.00 15, $2.50 50, $4.50 100, $40.00 1000. White Feather Farm, New Bremen, Ohio. 3-5

SINGLE COMB WHITE Legborns bred for quality, size, egg production; 100 eggs, $4. V. M. Bearden, Thayer, Iowa. Branch: Bloomfield, Iowa. 3-5

SINGLE COMB WHITE LEGHORNS, range raised, vigorous stock, bred to lay; eggs for hatching, day-old chicks. Pullets for fall delivery. Exhibition and utility stock. One hundred June hatched pullets, 65 cents each. C. H. Beebe, Saddle River, New Jersey. 3-5

WINTER LAYERS. I have them. Fine, large, pure Single Comb White Leghorns, farm range. Eggs, 15 for $1.00; $5 100. W. H. Boon, Batavia, Iowa. 3-5

S. C. W. LEGHORNS exclusively. Large, vigorous cockerels. Choice hens and pullets for breeders for sale. Eggs from heavy winter layers for hatching. James H. Malone, Buffalo, Ind. 3-5

FOR PRICES NO HIGHER than common stock, I can give you "real" bred-to-lay stock, chicks and eggs. A few exhibition eggs. Verworthy Poultry Yards, West Brighton, N. Y. 3-5

COCKERELS, $1.50 UP, Young's strain direct. Eggs for hatching from prize winners. V. Haynam, Route 3, Canton, Ohio. 3-5

S. C. WHITE LEGHORNS, Young's strain, $1.00 per 15 eggs. J. C. Robertson, Galion, Ohio. 3-5

S. C. WHITE LEGHORN hatching eggs (Ferris-Wyckoff), 15, $1.00; 100, $4.00. Sell pullets $2.50 each. Ernest Thilow, Keene, Virginia. 3-5

S. C. WHITE LEGHORN hatching eggs from good utility stock. Strong, vigorous baby chicks. Booking orders now. Send for free price list. W. C. Baldesberger, Venetia, Pa. 3-7

SINGLE COMB WHITE LEGHORN hatching eggs, standard bred, great layers, at 60c 15, $3.00 the 100. D. H. Hossler, Greenwich, Ohio. 3-5

S. C. WHITE LEGHORNS. Young's strain direct, silver cup and blue ribbon winners at Galesburg. Stock and eggs for sale. Catalog. Dr. F. G. Gurley, Galesburg, Ill. 3-5

TOM BARRON'S DIRECT imported champion 282-egg Leghorns. Scheperd Brothers, Parkville, Maryland. 3-5

SINGLE COMB WHITE LEGHORNS. Four firsts at Batavia. Circular free. H. W. Benson, Batavia, Illinois. 3-5

BLANCHARD - WYCKOFF SINGLE COMB White Leghorns. Eggs, $3.50, $4.00 and $4.50 per 100. Cockerels. Catalog free. W. Albers, Lombard, Ill. 3-5

A "SQUARE DEAL" TO ALL—Whitney's S. C. White Leghorns are money makers. Bred to lay and exhibit. Eggs from best layers, $1.00 per 15; $1.75 per 30; $2.50 per 45; $5.00 per 100. Fertility guaranteed and "Golden Rule" observed. Booklet free. Wm. B. Whitney, Marlboro, Ulster Co., N. Y. 2-14-tf

S. C. W. LEGHORNS—No other breed; 1,500 hens bred to lay to select eggs from. Established 12 years. Hatching eggs, $1 per 15; $5 per 100; $40 per 1,000. Baby chicks, $12 per 100. Satisfaction guaranteed. H. C. Boss, Milford, N. J. 2-5

SINGLE COMB WHITE LEGHORNS—Free range. Eggs, $4.00 per 100. Mrs. Ben Baskerville, "Hillcroft," Montrose, Mo. 2-5

S. C. WHITE LEGHORN EGGS—A strictly choice flock of matured winter layers raised on free range. 15 eggs for $1.00; 100 for $5.00; 1,000 for $45.00. Day-old chicks, 100 for $10.00. Satisfaction guaranteed. Mt. St. Francis Poultry Farm, Box E, Floyds Knobs, Ind. 2-5

JERSEY STRAIN S. C. WHITE LEGHORNS—Guaranteed large white eggs from vigorous, two-year-old females. Send for catalog. North Jersey Poultry Farm, Box A, Ramsey, N. J. 2-5

$1.00 EACH—SINGLE COMB WHITE Leghorns, pullets and cockerels, yearlings and cocks. Shipped anywhere. As many as desired. Write for catalogue. Woodworth Farm, Wilton, Conn. 8-tf

R. C. WHITE LEGHORNS.

ROSE COMB WHITE LEGHORN eggs from Chicago winners. Catalog. Harry Aiken, Chaseburg, Wis. 4-6

ROSE COMB WHITE LEGHORN eggs 75c 15, $4.00 100. Web. Hugunin, Janesville, Wisconsin. 3-5

ROSE COMB WHITE Leghorns. 15 eggs, $1.00; 50, $3.00; 100, $5.00. Henry Schowe, New Bremen, Ohio. 3-5

WHEELER'S ROSE COMB WHITE Leghorns, 1914 winners. Firsts at Illinois' and Iowa's state poultry shows. Albert V. Wheeler, Carlinville, Illinois. 3-5

ROSE COMB WHITE LEGHORNS, 1914 champion winners. Catalog. Edward L. Beach, Lincoln, Ill. 2-5

S. C. BROWN LEGHORNS.

PURE BRED SINGLE COMB Brown Leghorn. Eggs postpaid, 100, $4; 15, $1. Chicks, 10c. David Mahoney, Juneau, Wis. 5

$3.50 PER HUNDRED guaranteed fertile eggs from 211 egg Single Comb Brown Leghorn hens. World's leading layers. Price smasher catalog free. K. K. Welday, Seville, Ohio. 5-7

HIGH RECORD—266 eggs one year. 27th year. Single and Rose Comb Browns. W. W. Kulp, Box 70, Pottstown, Pa. 5

EGGS—S. C. BROWN LEGHORNS. $1.50 per 15, $6 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

SINGLE COMB Brown Leghorns. 20 years selecting and breeding for heavy layers; figures to prove their laying ability; eggs, 15, $1; 50, $3; 100, $5. Almond Dennis, Cameron, N. Y. 4-6

S. C. BROWN LEGHORNS. Eggs from my Chicago, St. Louis, Decatur, state show winners. Send for mating list. Geo. L. Hornbrook, Box B, Decatur, Illinois. 3-5

26 SINGLE COMB Brown Leghorn eggs $1.00; 100 eggs $3.50. 20 chicks $3.00. Mrs. John Morse, Route 4, Avon, Ill. 3-5

SINGLE COMB BROWN LEGHORNS. Bred for size, eggs and to win; 30 eggs, $1.50; 100, $4.00. Mrs. John Dietrich, Borden, Ind. 3-5

R. C. BROWN LEGHORNS.

ROSE COMB BROWN Leghorn eggs for hatching. Both matings. Send for mating list. I. A. Fiedler & Son, Cuba City, Wis. 3-5

ROSE COMB BROWN Leghorns, Kulp strain direct, the world's best laying strain. Eggs, $1.00 per 15, $5.00 100. Frank Shetler, Golconda, Ill. 3-5

ROSE COMB BROWN Leghorns. Kulp strain. Eggs from standard bred, high-scoring stock, $4.00 per 100. Pirtle Poultry Farm, Bloomfield, Iowa. 3-5

EVERGREEN FARM Rose Comb Brown Leghorns. Eggs, pens, $2 to $5 per 15; from flock, $1 per 15, $5 per 100. Also have some choice cockerels left. Mrs. J. J. Case, Box 46, Elmhurst, Ill. 3-5

BUFF LEGHORNS.

SINGLE COMB BUFF LEGHORNS. Eggs from my laying strain, $1.00 per 15, $2.75 per 50, $4.50 per 100. Theo. Dickman, R. F. D. 1, New Bremen, O. 5

BEACHCROFT BUFF LEGHORNS. Bred for utility. Chicks, $15 per 100. Send for circular. Vernon Beach, Fairfield, Conn. 5

BUFF LEGHORNS. Both first Chicago, 1913. Horton Green, Dixon, Ill. 4-6

SINGLE COMB BUFF LEGHORNS as bred by the oldest breeder of this bird in America. Eggs in season $1.50 to $3.00 per setting; $4.50 per 100. S. M. Keitner, Anderson, Ind. 4-6

S. C. BUFF LEGHORNS—1913-14 winners at Indianapolis, Atlanta, Kansas City, St. Louis, Nashville, Knoxville, Louisville and others. Stock and eggs, prices very reasonable. C. V. Norris, Box 412, Thorntown, Ind. 3-5

PEARCE'S R. C. BUFF Leghorns. Winners Madison Square and Chicago. Eggs, $1.50, $3.00, $5.00 per 15. J. D. Pearce, 307 2nd Ave., Altoona, Pa. 4-6

S. C. BUFF LEGHORNS. We have five-pound layers of life-size white eggs. Five-acre range; open-front houses. Eggs, $2.00 and $3.00 per 15. Pens, trios. Circular. Dr. Wm. L. Farrand & Sons, Appleton, Wis. 4-6

S. C. BUFF LEGHORNS. Good quality. Good range. Eggs, 15, $1.00; 100, $4.00. Renaud Bros., 315 East Second St., Pella, Iowa. 4-6

SINGLE COMB BUFF LEGHORNS—264 premiums Madison Square, Palace, Patchogue, Allentown, Mineola, Syracuse, Williamsport, Hempstead. Winning males head matings. Eggs, $1 to $10 per 15. Chicks, 15c to $1 each. List free. Wm. Crevoiserat, 34 Mill Road, Freeport, N. Y. 4-5

MADISON SQUARE AND PITTSBURGH winners this season. "Faultless" Single Comb Buff Leghorns, trapnested, 263 eggs yearly. Pedigreed modern exhibition quality. Eggs, $1.50, $3.00, $5.00. Fertility guaranteed. J. C. Bernhard, Observatory Station, Pittsburgh, Pa. 4-5

S. C. BUFF LEGHORNS. Some good breeders and utility cockerels for disposal. Eggs for hatching from my three fine pens, $5, $3 and $1 for 15 eggs. Karl Nelson, 508 East Wall St. Morrison, Ill. 3-5

S. C. BUFF LEGHORN and Buff Rock eggs, $1.00 for 15; $5.00 per 100. Bourbon Red turkey eggs, $3.00 per 12. Write. O. E. Reynolds, Wharton, Ohio. 3-5

SINGLE COMB BUFF LEGHORNS exclusively. Select matings, 15 eggs, $1.50; utility stock, 15 eggs, $1.00, or $3.00 for 100. Mrs. Frank Carnahan, Adrian, Mich. 3-5

SINGLE COMB BUFF LEGHORNS of quality. Booking orders for eggs and chicks. Send for mating list. W. J. Offutt, New Castle, Pa. 3-5

MRS. GLEASON ADAMS Single Comb Buff Leghorns. Winners Pittsburgh, Cleveland, Columbus. Stock and eggs. Prices reasonable. Cambridge St., Coshocton, Ohio. 3-5

ROSE COMB BUFF LEGHORNS. Tecktonius strain. Winter egg producers. First pen, $2.50 per 15 eggs; utility pens, $1.25. E. B. Stacy, 929 South Cedar, Lansing, Mich. 3-5

ROSE COMB BUFF LEGHORNS, 13 eggs $1.00. Leonard A. Waltman, New Albany, Pa. 3-5

ROSE COMB BUFF LEGHORNS. Catalogue. Howard J. Fisk, Box A, Falconer, N. Y. 3-8

MADISON SQUARE, Greater Buffalo and Pittsburgh Poultry Exhibition winners this season. Two champions. Grand matings. Stock and eggs. Thornycroft Buff Leghorn Farm, Washington, Pa. 3-5

SINGLE COMB BUFF LEGHORNS, first premium winners at Illinois State Show, 1914. Shape, color and champion; exceptionally good winter layers. Eggs, $1.50 and $3.00 per fifteen. C. H. Fritschow, Brookfield, Ill. 3-5

SINGLE COMB BUFF LEGHORNS. Sensation at Chicago show. Write for free mating list and photos of our grand winners. Suburban Sanitary Poultry Farm, Desplaines, Illinois. 3-5

MERIHEW'S BUFF LEGHORNS have shape and color that wins at Madison Square. Bred 16 years for large, white eggs. Breeders for sale. Mating list free. L. E. Merihew, Marathon, N. Y. 3-5

BUFF LEGHORNS—SINGLE COMB, grand, large full buff breeding birds for sale, males and females; great egg producers. Eggs, $1.00 per 15, $5.00 per 110. Geo. C. Schwegman, Richmond, Ind. 2-5

SINGLE COMB BUFF LEGHORNS—Eggs from prize winners. Choice matings, 15, $1.50 and $3.00. Cockerels, finest quality, $2.00 to $5.00. Mrs. Seth Marsh, McKean, Pa. 2-5

S. C. BUFF LEGHORNS direct from New York and Chicago winners; 2 matings; stock, eggs, baby chicks. F. J. Rosenberger, R. 9, Tiffin, O. 2-5

SINGLE COMB BUFF LEGHORNS—Cockerels, $1.50, $3.00 and $5.00. Eggs, $1.50 and $3.00. Baby chicks, 17c each. C. Emmet Owen, Box 384, Machias, N. Y. 2-5

ROSE COMB BUFF LEGHORNS won first cock, first pullet, second hen, fourth cockerel on four entries at Chicago, Dec. 12 to 17, 1913. Eggs for hatching. Write for mating list. Geo. F. Hoffman, Cuba City, Wis. 2-5

BLACK LEGHORNS.

BRED-TO-LAY Black Leghorns. Yellow legs. Eggs, $2.00. Raymond Lane, Olivet, Mich. 5-6

BLACK LEGHORNS—Eggs for hatching from my 1914 prize winners. Send for circular and mating list. Scott Long, Carey, O. 3-5

BLACK LEGHORNS A SPECIALTY. Eggs for sale. J. Beltz, Ealing, London, Canada. 3-5

PARTRIDGE LEGHORNS.

PARTRIDGE LEGHORNS. Eggs, $5.00 per 15; $8.00 per 30. Oscar Schierholtz, Route 2, Elmira, Ont. 4-5

BARRED LEGHORNS.

BARRED LEGHORNS WANTED—a good pen of Barred Leghorns. Resemble Barred Rocks in color. Edwin Kimmel, Wilber, Mich. 5

LEGHORNS—SEVERAL VARIETIES.

50,000 S. C. WHITE, Buff and Brown Leghorn yearlings, pullets, cockerels, baby chicks and eggs. Catalogue stamp. Failing Poultry Farm, LaFargeville, N. Y. 3-6

SINGLE COMB WHITE and Brown Leghorns. Eggs and stock, baby chicks. Mrs. E. R. Dees, Waltonville, Ill. 3-5

ROSE COMB BROWN and White Leghorn cockerels, the business kind, large stock. Eggs in season. Satisfaction guaranteed. E. B. Cole, Sauquoit, N. Y. 2-5

BLACK MINORCAS.

SINGLE COMB BLACK MINORCAS—Cockerel and 4 hens, $20. D. C. Huggett, Grand Ledge, Mich. 5

ROSE COMB BLACK Minorcas (Northrup strain). Eggs, $1.50 per 15; $7.00 per 100. Cockerels for sale. J. R. W. Deyo, New Paltz, N. Y. 5

FANCY SINGLE COMB Black Minorca eggs (Northup strain), $1.50 for 15. Horace Lane, 1790 South Penn, Denver, Colo. 5

RENNER'S SINGLE COMB BLACK Minorcas. Eggs for hatching from prize winners at Madison Square, Chicago and Cleveland. Reasonable prices. Get list. Al Renner, Coshocton, Ohio. 5-6

EGGS—S. C. BLACK MINORCAS, $2 per 15. Sterling Poultry Co., Sterling, Ill. 4-6

VIGOROUS SINGLE COMB Black Minorcas, winners exhibition or utility. Eggs, $3.00 setting; two, $5.00. Fine cockerels for sale. Columbian Poultry Yards, 624B, Canastota, N. Y. 4-5

ROSE COMB BLACK MINORCAS, pedigreed stock, first cockerel Cleveland Breeder's Association show. Stock and eggs in season. Philip J. Minch, 1907 East 97th St., Cleveland, O. 3-6

SINGLE COMB BLACK Minorcas exclusively (Northup strain). Eggs, $1.50 per 15. Cockerels, $2.00 and $3.00. B. C. Deyo, New Paltz, N. Y. 3-5

FOR SALE—CHOICE large breeding hens, fine laying pullets. Prize winning stock. Eggs, $2.00 per 15. A. B. Kaye, Walworth, Wis. 4-6

S. C. BLACK MINORCAS and Partridge Plymouth Rocks, Eggs for sale. Write for prices. Schar Poultry Yards, Clarno, Wis. 4-6

S. C. B. MINORCAS. Blue ribbon winners, Northup strain. Eggs, $2.00 per 15. Perry Sweet, Falconer, N. Y. 4-6

SINGLE COMB BLACK MINORCA eggs $1 per setting, $5 per hundred. Catalogue. A. F. Shaw, Carmel, Ind. 3-5

EGGS FROM SINGLE COMB Black Minorcas bred for size and heavy egg production. M. B. Corliss, Chenoa, Illinois. 3-5

S. C. BLACK MINORCAS (Northup strain). Cockerels, baby chicks, eggs. Catalogue stamp. Failing Poultry Farm, LaFargeville, N. Y. 3-6

EGGS FROM HIGH-SCORING EXHIBITION Single Comb Black Minorcas with winnings at Chicago, Springfield, Peoria, Canton. Douglas Clarke, Chenoa, Illinois. 3-5

SINGLE COMB BLACK Minorcas. Careful breeding. Eggs for setting. Charles F. Beck. LaFayette, Ind. 3-5

ROSE AND SINGLE COMB Black Minorcas. Choice breeders for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

WHITE MINORCAS.

HIGH CLASS SINGLE Comb White Minorcas, finest stock, 15 eggs, $1.50. Henry Heitkamp, New Bremen, Ohio. 5

BROGDEN'S WHITE MINORCAS, both combs. Champions at Madison Square and Chicago. Fashion plate catalogue. Thos. Brogden, Rush Lake, Wis. 5-7

ROSE AND SINGLE COMB White Minorcas. Fifteen eggs, $2.00. Charles Palmer, Nassau, N. Y. 4-6

OUR ROSE AND SINGLE COMB White Minorcas are profit payers. Selected eggs, $3.00 setting; two, $5.00. Fine cockerels. Columbian Poultry Yards, 624B, Canastota, N. Y. 4-5

SINGLE COMB WHITE MINORCAS. A clean sweep Coliseum Show, Chicago, December, 1913. All firsts, all cups and other specials. Choice stock for sale. Mating list. Black Point Poultry Yards, Zenda, Wisconsin. 3-5

SINGLE COMB WHITE MINORCA eggs from pure white stock with very low tails; also laying pullets for sale. C. W. Rowland, LaPlace, Ill. 4-6

DICKINSON'S SUGAR BUTTER Single Comb White Minorca eggs only, stock all sold; 15 eggs for $2.00. Orders filled consecutively as received. Bailey Bros, Marshalltown, Iowa. 4-6

SINGLE COMB WHITE MINORCAS, leading strain; eggs reasonable. Henry Heitkamp, New Bremen, Ohio. 3-5

MEISELBACH'S SINGLE AND ROSE COMB White Minorcas, highest quality. Stock and eggs. Harry Meiselbach, Melrose Park, Ill. 3-5

SINGLE COMB WHITE MINORCAS. My stock is farm raised, and all vigorous, high scoring birds. Send for free circular and price list. A. L. Buzzard, Washington, Ill. 3-5

ROSE COMB WHITE MINORCAS that win, year after year, with size, color and shape. A. B. Caldwell, Alledonia, Ohio. 2-5

BUFF MINORCAS.

BUFF MINORCAS. Eggs for hatching from selected birds, $2 for 15. Hens and cockerels for sale. Derryfield Farm, Odd Fellows Temple, Sacramento, Cal. 4-6

BLACK AND WHITE MINORCAS.

SOME HIGH GRADE exhibition stock, White and Black Minorca cockerels and yearling hens and pullets, all Single Comb. Order eggs now, $5.00 per 15 eggs. White or Black. H. M. Kettering, Greensburg, Pa. 3-5

WHITE ORPINGTONS.

WHITE ORPINGTONS from a $500 pen mated by Kellerstrass. Eggs, $1.50 per 15; $7 per 100. Mrs. A. H. Floyd, Golconda, Ill. 5

WHITE ORPINGTON EGGS for hatching from 1st prize winners at Freeport, Rockford. Send for catalog. Paul Wurtzel, Box 21, Freeport, Ill. 3-5

EGGS—KELLERSTRASS CRYSTAL WHITE Orpington, prize winners, large, shapey, pure white birds, $1 per setting, $5 per 100. H. M. Smith, Princeton, Ill. 5-6

WHITE ORPINGTONS. Fine matings of Wm. Moore (Canada), Owens, Kellerstrass and Aldrich birds. The best. Hen hatched. Farm reared. Eggs, $3.00-$1.50 per 15; $5.00 per 100. Sunnyside Farm, Sandwich, Ill. 4-5

LOOK! S. C. WHITE Orpington eggs reduced after May 10. Special matings, $1.50 15, $8.00 100. Utility pens, $1.00 15, $5.00 100. Mating list free. Order now. David E. Pamp, Princeton, Ill. 5-7

TWO GOOD PENS S. C. White Orpingtons, Kellerstrass strain. Eggs, $1.50 per 15, $6.00 100. A. F. Wahle, 3553 Neenah Ave., Chicago, Ill. 5-7

EGGS - (PURE KELLERSTRASS STRAIN) White Orpingtons. $2 per 15, $8 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

BERKSHIRE HILLS CRYSTAL White Orpingtons again won many firsts and specials, including display, at the big North Adams show, January, 1914. Eggs from eight grand pens of our choicest birds at $3.00 per 15. Berkshire Hills Poultry Yards, F. R. Shaw, Proprietor, Adams, Mass. 4-5

KELLERSTRASS WHITE ORPINGTON eggs. $2.00 per 15. J. Jameson, Lombard, Ill. 3-6

STREBY SNOW WHITE strain Rose Comb White Orpingtons. The world's best. C. M. Streby, Bellville, O. 4-5

TWO GOOD PENS S. C. White Orpingtons. Eggs, $1.00 per 15; $5.00 100. Amelia Smith, Ohio, Ill. 4-6

S. C. WHITE ORPINGTON eggs for hatching, from high-scoring, prize-winning birds, $1.50 and $2.00 per setting; $5.00 and $7.00 per 100 eggs. Restland Floral Co., Mendota, Ill. 3-5

S. C. WHITE ORPINGTONS. First prize pen Greater Buffalo Show, 1913, 15 eggs. $10. First prize pen Silver Creek, N. Y., Show, 1913, 15 eggs, $5. Fertility of the eggs, vitality, characteristics and type of chicks guaranteed. If, for any reason, you are not entirely satisfied, I will replace the eggs free. Fred J. Stilke, East Aurora, N. Y. 4-5

WHITE ORPINGTON HOME—quality strain Rose Comb White Orpingtons. Eggs from tested and proven superior layers, 15, $2.50; 30, $4.50. Eggs from my great Auburn winners, 15, $5.00; 30, $9.00. Hatch guaranteed. Baby chicks, 25c and 50c each. Pound chicks, 75c and $1.00 each. Fine cockerels, $2.25 each. Circular free. Earl L. Cook, Munnsville, N. Y. 4-6

S. C. WHITE ORPINGTONS. Do you know we own and raised first Baltimore cock, 1914? Eggs from pen headed by this grand bird, $5.00; other matings, consisting of Baltimore and Philadelphia winners, $2.50 per 15. Bonny View Poultry Farm, Keyser, W. Va. 3-5

SINGLE COMB CRYSTAL WHITE Orpingtons from Kellerstrass $30.00 matings. Yearling hens, $1.00 each. Eggs, $1.00 for 15 or $6.00 per 100. Stock guaranteed. H. E. Thompson, Portales, N. Mex. 3-5

FIFTEEN EGGS FROM prize winning White Orpingtons, $2.00. Edward Buss, Janesville, Wis. 3-5

EGGS! EGGS! EGGS! Aldrich and Kellerstrass strains S. C. White Orpingtons, winners of the blue wherever shown, $3.00 and $5.00 per 15, charges prepaid. Why pay more? Mating list free. Frank Chapman, Canton, Ill. 3-5

S. C. WHITE ORPINGTON eggs, 15, $1.50; 100, $6.00. Satsifaction guaranteed. Nancy Garner, R. 2, Dexter, Mo. 3-5

S. C. WHITE ORPINGTONS—Get our mating list, giving detailed description of six grand pens, containing our Indianapolis, Milwaukee, Omaha, Wisconsin State winners. Free. Eggs, $2 to $7.50 per fifteen. R. Scott, Richmond, Illinois. 3-5

WHITE ORPINGTONS. Grand birds. Our exhibition matings will interest any breeder. Monarch Poultry Yards, Box 665X, Sparta, Wis. 3-5

ROSE COMB WHITE ORPINGTONS, first premium Buffalo, Rochester, other shows. Guarantee Poultry Yards, Warsaw, N. Y. 3-5

WHITE ORPINGTONS—AT CHICAGO, January, 1914, on 6 entries won 2nd cock, 1st cockerel, 1st, 3rd hen. Eggs, $5, $7.50 and $15 per setting. Stock for sale. Send for mating list. W. E. Read, 919 North Seventh Ave., Maywood, Ill. 3-5

EGGS FROM OUR BEST pens of S. C. White Orpingtons, Kellerstrass strain, $2 per fifteen. Large, blocky, high-scoring thoroughbreds. Lake Erie Orpington Farm, R. R. 1, Sandusky, O. 3-5

WHITE ORPINGTONS. Pullets and cockerels. Jackson and Iowana strains. Eggs, $2 per 15. Louis H. Gassmann, Olney, Ill. 3-5

WHITE ORPINGTONS, Kellerstrass, choice stock. Eggs, $1.25 per 15; 100, $7. Springbranch Poultry Farm, Bellville, Ohio. 3-5

S. C. WHITE ORPINGTONS and Black Langshans. Eggs, $1.50 per 15, $7.00 per 100. Send for circular. Morgan Bros., DeLand, Ill. 3-5

SUFFIELD'S WHITE ORPINGTONS. Eggs, day-old and pound chicks. Ad. worth 50 cents with each $5.00 purchase of eggs or stock. Circulars. Dr. H. F. Suffield, Gage, Okla. 3-5

BRED TO LAY. Crystal White Orpingtons. Eggs, $2 per 15. Wildwood Poultry Yards, Arcola, Indiana. 3-5

WHITE ORPINGTONS. Strictly high grade. Eggs from carefully selected stock. Correspondence solicited. O. A. Zimmerman, Forest, Ohio. 3-5

FOR SALE—WHITE ORPINGTON eggs, from winners at Indianapolis, first young pen. Frank Sherwin, Marion, Ind. 3-5

CRYSTAL WHITE ORPINGTONS. Birds of quality. Good layers. Eggs, 15, $1.00; 100, $4.00. Edmond Berkshire, Depauw, Ind. 3-5

SINGLE COMB WHITE ORPINGTONS from Archwood Yards, Sussex strain, great, large, low down, massive type, extremely white, grand winter layers, grow like weeds. Eggs, 15, $1.50; 50, $4.00; 100, $7.00. Lee W. Morgan, Independence, Indiana. 2-5

EGGS FROM PRIZE WINNERS, Kellerstrass strain, Magic egg tester used, $3 setting. Achurch, Charleston, S. C. 3-5

EGGS FOR HATCHING—Single Comb White Orpingtons. Best blood obtainable. Mating list. Dr. W. T. Shelburne, 846 W. 27th St., Indianapolis, Ind. 3-5

SINGLE COMB WHITE ORPINGTONS direct from Kellerstrass. Eggs, pen, $2.00; range, $1.00 per 15. Miss Alma Eichelmann, R. No. 4, Waterloo, Ill. 3-5

WHITE ORPINGTON EGGS $1.50 per 15 from birds from $100 Kellerstrass pen. O. Burt, Albany, Wis. 3-5

WHITE ORPINGTONS. First pen headed by $50.00 cock; second pen headed by $35.00 cock. Eggs, $1.50 to $2.50 per setting of 15. Geo. Jean, Bloomfield, Indiana. 3-5

ORPINGTON EGGS? $2.00 per 15; 100, $10.00. Birds from $100.00 Kellerstrass trio. Males weigh to 10½ pounds. Pullets to 9½. N. Roy Bowman, Albany, Wisconsin. 3-5

HATCHING EGGS $3 for 15. From pen headed by Mrs. Harnly's first prize cockerel, Wisconsin State Fair. Also baby chicks. E. A. Belda, Wauwatosa, Wis. 3-5

S. C. WHITE ORPINGTONS. Choice breeders for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

WHITE ORPINGTONS—winners at Erie, Butler and Pittsburgh. Eggs, ten cents; chicks, twenty cents each. L. A. Glessman, Box A, Conneautville, Pa. 3-5

EGGS FOR SALE. S. C. White Orpingtons. Won 1st cock, 1st hen, 2nd pen, 5th pullet and 7th cockerel at Wisconsin State Poultry Show, January, 1914. Potter and Aldrich strains. Send for mating list. F. M. Gensch, Omro, Wis. 3-6

SINGLE COMB WHITE ORPINGTONS. Range raised, heavy layers. Kellerstrass strain. Eggs, $8 hundred; chix, fifteen cents each. Satisfaction guaranteed. Longfield Farm, Cason Bros., Props., Carrollton, Mo. 3-5

MORAN'S ORPINGTONS OF QUALITY. Single Comb White Color, Shape, Utility, Fancy. Pen headed by winner at great Allentown Fair. Write, Francis N. Moran, 3 Tams St., Staunton, Va. 2-5

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BLACK ORPINGTONS—CLOSING OUT entire stock. Hundreds of yearling breeders and dozens of choice exhibition birds at ¼ their actual value. No reservation. Every bird goes. Write your wants. Goshen Poultry Farms, Box 434, Goshen, Ind. 5

KREIDLER'S BLACK ORPINGTONS — The Beetle Green kind. Big-boned, massive, blocky and typy—bred for eggs, size and quality. Eggs, $5 per 15. Fertility guaranteed. Baby chicks reasonable. Mating list and literature gladly mailed. Rev. Charles M. Kreidler, Elmira, N. Y. 3-5

FOR SALE—TEN S. C. Black Orpington chicks for six dollars. With each order we give one fireless brooder, one feed trough, one water trough, chick starter, feed and directions for raising chicks. Pullets, two dollars up; cockerels, three dollars up. Eggs, three and five dollars per fifteen. Infertile eggs replaced free. We won at Indiana Branch A. P. A. Show 1st and 3rd cock; 1st hen; 1st, 2nd and 3rd cockerel; 2nd and 4th pullet; 1st, 2nd and 3rd pen; four trophy cups and three specials. Satisfaction guaranteed. Bradford Orpington Farm, Marion, Indiana. 4-5

S. C. BLACK ORPINGTONS. Bred to lay. Eggs, $1.50 per 15. Andrew Stoos, Naperville, Ill. 3-5

MY BLACK ORPINGTONS won again this year and my price only $1.00 per 13. Send for prize list. H. Merriam, Ashburnham, Mass. 3-5

S. C. BLACK ORPINGTONS of quality, $1.50 per 15 eggs. J. C. Robertson, Galion, Ohio. 3-5

FOR SALE. ROSE COMB BLACK Orpingtons. Birds and eggs. From pen from first prize cockerel. First and second hen, first and second pullet, Chicago; and first hen and first pullet, Springfield shows. Ira Blake, Kewanee, Ill. 3-5

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S. C. BUFF ORPINGTONS—COOK DIRECT hens, $2 each. Eggs, 15, $1.50; 30, $2.75; 50, $3.50; 100, $6.00. Orders filled promptly. Frank Myers, Oakwood, Ohio. 5

S. C. BUFF ORPINGTONS, A. E. Martz strain direct, of good type and color. Eggs, $1.50 per 15. A. F. Wahle, 3553 Neenah Ave., Chicago, Ill. 5-7

S. C. BUFF ORPINGTONS. Eggs $1.50 per 15. John H. Steeb, 2637 Drake Ave., Chicago, Ill. 4-6

S. C. BUFF ORPINGTON eggs. Three pens of good type and color. A. E. Martz strain direct. Prices and stock to please. Write me. Mrs. W. C. Sommer, Perry, Ill. 4-6

S. C. BUFF ORPINGTONS bred direct from William Cook's imported stock. Fifty March pullets for sale. Eggs from five selected pens, $3 set. Mrs. D. W. Adams, Wyaconda, Mo. 4-5

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RINGLET BARRED ROCK EGGS, E. B. Thompson's strain direct, pullet mated, 15, $1.50; 100, $7.50. Amos A. Hieser, Dewey, Ill. 5

BARRED ROCKS -THOMPSON'S Ringlets—Eggs, 100, $3.50; 15, $1.00; 30, $1.75. E. P. Churchill, Allerton, R. 3, Iowa. 5

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THOMPSON'S STRAIN "RINGLETS," farm raised. Eggs, well packed, 15, $1.00; 100, $4.00. Fertility guaranteed. Ade Stevens, De Pauw, Ind. 4-5

"RINGLET" BARRED ROCKS. Choice exhibition quality, cockerel and pullet matings. Hen hatched, hen raised. Birds, $2.00 to $8.00 each. Best eggs, 15, $3.00. Utility eggs, 100, $5.00. Circulars. John Northon, Clare, Mich. 4-5

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BENNETT'S BARRED ROCKS WIN. Eggs, $3.00 per setting; $10.00 per 100. After April 10th half price. Satisfaction guaranteed. Correspondence solicited. Baby chicks. R. M. Bennett, Box 591, South Charleston, Ohio. 3-5

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BARRED ROCKS, Bradley strain direct. Eggs from choice mating of 1914 winners, $3; two settings, $5. Satisfaction guaranteed. E. G. Button, Greenup, Illinois. 3-5

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THOMPSON'S RINGLET BARRED Rock eggs, $2.00 15, $3.50 30; special matings, $3.00 15, $5.00 30. Mrs. H. Scofield, Strawberry Point, Iowa. 3-5

BARRED ROCKS. Winners at Chicago, Cincinnati, Hamilton. Breeding and winning for 15 years. Heavy winter layers. Eggs for setting and incubator lots. Plymouth Yards, Dept. 2, College Hill, Ohio. 3-5

EGGS, 100, $4.00; SETTING, $1.00. Mammoth Barred Rocks; weight to 16 lbs. Howard Irvin, Polo, Ill. 3-6

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BARRED ROCK EGGS, Ringlet strain, large, healthy, nicely barred birds; setting, $1.50; 100, $6.00. Infertiles replaced free on 100-egg orders. Walter Irven, Brookville, Ill. 3-5

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WHITE ROCKS—200-egg strain—15 eggs $1.00, 50 $3.00, 100 $5.00. Elliott & Rollings, Jacobs Creek, Pa. 5

HIGH CLASS WHITE ROCKS. Fishel strain direct. Wonderful layers. Fifteen eggs, $1.00; 50, $3.00; 100, $5.00; 200, $9.00. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 2-5

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MY PRIZE WINNING Silver Penciled Plymouth Rocks have won at Madison Square, Central Palace, Hempstead and Riverhead and will win for you. Wm. M. Jones, East Hampton, N. Y. 3-5

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ROSE AND SINGLE COMB stock and eggs reasonable; Buschmann's strain. August W. Schroeder, St. Peter, Ill. 5

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ROSE COMB RED eggs from fine utility stock, $2.00 to $3.00 per 15; per 100, $8.00. Sam Studer, Fisher, Ill. 4-6

C. G. MILLER, South Paris, Maine. S. C. Reds bred to lay. No white diarrhoea. Eggs, $1.00 for fifteen; $3.00 for fifty; $5.00 for one hundred. 4-6

S. C. REDS EXCLUSIVELY. Dark brilliant red color. Fine breeding cockerels, $2.00 each. Utility eggs, $1.50 per 15; $5.00 per 100. Mating list free. G. A. Haper, Batchtown, Ill. 4-6

S. C. R. RED eggs for hatching. Range eggs, $5.00 per 100. Mrs. C. F. Spurling, Box 49, Lovington, Ill. 3-5

ROSE COMB RHODE Island Reds, Buschmann strain. Single Comb Black Minorcas. Eggs, $1.25 per 15. W. Perry Crafts, Barker, N. Y. 3-5

SINGLE COMB REDS—Hatching eggs from selected stock. Eight grand pens. Excellent layers. $1.00 per 15, $5.00 per 100. Satisfaction guaranteed. R. C. Cooper, Downers Grove, Ill. 3-5

BOTH COMB REDS, winners at big shows, stock and eggs for sale, catalogue free. Mrs. F. C. Krueger, Rockford Road, Charles City, Iowa. 3-5

SINGLE COMB REDS. Eggs. Choice matings, $1.50 to $2.00 for 15; range, $4 per 100. Eight years exclusively. Mrs. Lela Mahon, St. Peter, Ill. 3-5

SINGLE COMB REDS, Macoupin Chief 1st and 2nd and two other classy red boys head four pens of hens and pullets that won twenty ribbons in 1913. Eggs, $2.00 to $5.00 per fifteen. Mating list free. Prof. J. D. Conley, Carlinville, Ill. 3-5

R. I. REDS, BOTH COMBS. Choice breeders for sale. Eggs, $2.00 15, $5.00 45, $9.00 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

WHITTAKER'S ROSE COMB REDS. Winners in United States and Canada. Eggs and day-old chicks. Illustrated booklet free. Interlakes Farm, Box 22, Lawrence, Michigan. 3-5

EGGS FROM CLEAR marked, pure colored Rose Comb Reds. Elmer Baum, Cooksville, Ill. 3-5

RHODE ISLAND REDS, Rose, Single. Breeder of record laying and prize winning strain. Over twenty-five years' experience. Eggs, $2.00 15, $5.00 50, $10.00 108. Elm Poultry Farm, W. S. Harris, Mansfield, Mass. 3-5

ROSE COMB RED, Bean strain, eggs, $2.00 per 15. Emerson Poultry Yards, Emerson, Neb. 3-5

S. C. REDS EXCLUSIVELY. Good type and color. Large, vigorous, range-raised birds. Eggs from choice pens, $3.00 per 15; $5.00 per 30. L. J. Stahl, Washington, Ill. 3-5

EGGS—PURE STERLING STRAIN Rhode Island Reds; S. C., $1.50 per 15, $6 per 100; R. C., $2 per 15; $8 per 100. Sterling Poultry Co., Sterling, Ill. 4-6

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RHODE ISLAND REDS, both combs. Sto eggs, baby chicks; catalogue. Harvey Vanc slice, Boyertown, Pa.

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JOCOY'S STRAIN OF R. I. WHITES acknowledged everywhere the world's gre utility breed, unequaled for dressed po heavy layers, and being easy to breed. Bo free. J. A. Jocoy, Towanda, Pa.

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WHITE WYANDOTTE EGGS AT HALF price from my exhibition matings. Utility eggs, $5 per 100. Send for catalogue and mating list. F. E. Skinner, Box A, Sandwich, Ill. 5-6

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EGGS FROM FANCY White Wyandottes, 5 cents each, in any quantity. Pictures of breeding stock free. H. Rockefeller, Bunker Hill, Ill. 3-5

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WHITE WYANDOTTES (Fishel strain). Eggs, $1.25 per 15. Satisfaction guaranteed. Reference Commercial Bank, Grayson, Ky. Mrs. J. E. Horton, Grayson, Ky. 5

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SMITH'S (FISHEL STRAIN) White Wyandotte 200-egg Detroit prize hens, 15 eggs, $2.50. Large hatches guaranteed. Mating list free. Watch June sale of breeders. A. J. Smith, 528 Crawford, Detroit, Mich. 4-5

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WHITE WYANDOTTE eggs for hatching from good winter laying stock, raised on free range; $1.00 for 15. O. J. Hamble, R. D. 2, Hinsdale, Ill. 3-5

WHITE WYANDOTTE EGGS of high quality (Fishel strain), $2.00 per 15. Victor Williamson, Gladstone, Mich. 3-5

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WHITE WYANDOTTE EGGS, farm range, heavy egg laying stock, $1.00, $1.50 and $2.00 per 15. Alvin H. Wixom, La Salle, Ill. 3-5

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WHITE WYANDOTTE EGGS from Ideal Pen composed of $25.00 Male and $10.00 Females, $5.00 per 15. Best utility matings, $1.50. Titonka Poultry Ranch, Titonka, Iowa. 3-5

GRANDVIEW STOCK FARM White Wyandottes. Headed by pen that won $20 cup for best pen in class of 14 pens, $100 sweepstakes cup over 60 pens at Bremen show. Four matings. Write for mating list. H. M. Scholl, Bremen, O. 3-5

EGGS, 1ST PEN headed by Dustin cockerel, $2.00 per 15; 2nd pen, $1.50; farm range, $1.00, $6.00 per hundred. C. E. Van Buren, Victoria, Ill. 3-5

WHITE WYANDOTTE EGGS, from matings that score 92¼ to 95 at $3 per 15. From selected, free range fowls, $1.50 per 15. Mrs. Frank H. Miller, Route 45, Earlville, Illinois. 3-5

WHITE WYANDOTTES. Choice breeders for sale. Eggs, $2.00 15; $5.00, 45; $9.00, 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

WHITE WYANDOTTE eggs reasonable. Parcel post or express. Incubator eggs a specialty. Russell Simpson, Palmer, Ill. 3-5

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BUFF WYANDOTTES. Golden Beauty strain. Excellent laying strain. Eggs, $1.50 per 15. S. O. Pickens, Buffalo, W. Va. 4-5

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QUALITY BUFF WYANDOTTES, New York, Missouri and Ohio state winners. Stock, eggs and baby chicks. Guaranteed to please or your money back. Mating list free. Monarch Poultry Yards, Dayton, Ohio. 3-5

BUFF WYANDOTTES OF QUALITY. Eggs from Columbus, Dayton and Lima winners. Send for mating list. William E. Woolley, Route 5, Sidney, Ohio. 3-5

WANTED—BUFF WYANDOTTE breeders to send their addresses to American Buff Wyandotte Club, Amityville, N. Y. 3-11

BUFF WYANDOTTES, "LAYWINGOLDS," are removed from Kent, Ohio, to New London, Ohio. Stock and eggs. Rev. Henry Janes. 2-5

BLACK WYANDOTTES.

BLACK WYANDOTTES. Eggs for hatching at $2.00 per 15. Write your wants. L. E. Brown, Princeton, W. Va. 3-5

BLACK WYANDOTTES. America's best. Howard Grant, Marshall, Mich. 1-5

COLUMBIAN WYANDOTTES.

COLUMBIAN WYANDOTTE EGGS, $2.00 per fifteen, from high class stock, blue ribbon winners at Detroit, January, 1914; also winners Michigan State Fair; 1913. Good type and strong markings; large, vigorous birds, raised on free range; heavy winter laying strain; fertility guaranteed. Arthur Schaack, 605 Rohns Ave., Detroit, Michigan. 5

COLUMBIAN WYANDOTTES EXCLUSIVELY. Eggs for hatching from carefully selected stock, 15 eggs, $1.00; 100, $5.00. Satisfaction guaranteed. Terrence H. Clark, Dana, Ind. 4-6

COLUMBIAN WYANDOTTE EGGS for sale. $1.50 to $3.00 per 15. Fertility guaranteed. S. M. Watkins, Walnut, Ill. 3-5

COLUMBIAN WYANDOTTES. Eggs, $1.50 per 15. Satisfaction guaranteed. Stock for sale. Rev. Chas. W. Seelhoff, Owosso, Mich. 3-5

PARTRIDGE WYANDOTTES.

ROBERTS' BEAUTY STRAIN Partridge Wyandottes. Am booking orders for eggs. Pen 1, $8.00 for 15. Pens 2 and 3, $5.00 per 15. Pen 4, $3.00 per 15. G. A. Roberts, Warren, Ind. 4-6

PARTRIDGE WYANDOTTE EGGS from prize winners, ten cents each, chicks fifteen. Cockereis, $2.00 to $4.00. James L. Coulter, New Wilmington, Pa. 4-6

PARTRIDGE WYANDOTTES, either sex, $2.00 up. Eggs, $2.00 per 15. Write for 100 egg prices. Fred Pilkington, Portland, Mich. 3-5

PREMIER PARTRIDGE WYANDOTTES. Son of first Madison Square Garden cock heads pen. Grand females won loving cups and National Club honors. Eggs, 15, $3.00; 25 for $4.50. Lou Carter, Hampton, Iowa. 3-5

ELLIOTT'S PARTRIDGE WYANDOTTES won at National Club meeting, Rochester, N. Y., 1913. One first, four seconds, one third, one fifth. Clean sweep Port Huron, 1914. Stock and eggs. Frank Elliott, Port Huron, Mich. 3-5

PARTRIDGE WYANDOTTES. Eggs from choice pens, $1.50 per 15. Stock for sale. Fred M. Haas, Machias, N. Y. 3-5

PARTRIDGE WYANDOTTE EGGS for hatching, $2.00 per 15; $3.75 per 30. Bred from World's Fair winners. Herman Timm, Chebanse, Ill. 3-5

TEN VERY CHOICE Partridge Wyandotte cocks for sale, fifteen to twenty-five each. Doolittle strain. J. M. Goodman, Atkinson, Ill. 3-5

PRIZE WINNING ROSE COMB Partridge Wyandottes, extra good layers; 15 eggs, $1.50; 3 settings, $4.00. Single Comb Brown Leghorns, extra good layers, 15 eggs, $1.00; 3 settings, $2.50. Poultry Farm, Mrs. F. H. Sickendieck, Cushing, Okla. 3-5

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FLETCHER'S GOLDEN WYANDOTTES. America's Best Strain of America's Best Beauty and Utility Breed. The great Winter layers. Blue-ribbon winners at Madison Square Garden, Grand Central Palace, Boston, Baltimore, Pittsburgh, Buffalo, Atlanta, Washington, Richmond, etc. Clean sweep at last Garden Show. Eggs for hatching, $5 for fifteen; from selected matings, $10. Limited. Albert Fletcher, Jr., Drawer 1, Warrenton, Virginia. 4-6

GOLDEN WYANDOTTES -Blue blooded egg producers. Eggs, $1.50 per 15. Dr. D. Oscar Mead, Pinckneyville, Ill. 4-6

GOLDEN WYANDOTTE BREEDER 14 years. Eggs, $2.00 per 30, from best pen. Gerhard Hellman, 1512 Second St., Fort Madison (formerly West Point), Iowa. 3-5

GOLDEN WYANDOTTES, the great layers. Our birds win wherever shown. Write for mating list. Stock and eggs. Our motto, "Quality first always." Lake Brothers, 3721 Fifth Ave., Sioux City, Iowa. 3-5

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FLETCHER'S BLUE WYANDOTTES. The new fashionable breed. Heavy layers of large eggs. Beautiful solid blue color, typical Wyandotte shape, neat rose combs, rich yellow legs. Winners at Boston, Madison Square Garden, Grand Central Palace, Baltimore, etc. Eggs for hatching, $10 for fifteen. Limited. Albert Fletcher, Jr., Drawer 1, Warrenton, Virginia. 4-6

SILVER LACED WYANDOTTES.

SILVER LACED WYANDOTTES. Choice breeders for sale. Eggs, $2.00, 15; $5.00, 45; $9.00, 100. Baby chicks, $18.00 per 100. K. I. Miller, Box T, Lancaster, Mo. 3-5

SILVER WYANDOTTES won five firsts, two seconds, one third in two strong shows. Write for mating list and secure photo of pen you order from. Stock reasonable. Triangle Poultry Yards, J. H. Gettings, Hillsdale, Mich. 3-5

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RED, WHITE AND BLUE Rhode Island Reds, White Orpingtons, Blue Orpingtons; all single comb. Also nice line of Blue Andalusians, Rose Comb. Eggs and baby chicks, prices right; please get our circular. John Kearns, Tribes Hill, N. Y. 4-5

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EGGS FOR SALE from high scoring Ringlet Barred Rocks, Buff Orpingtons and Black Langshans, $1.50 per 15. Mrs. Mabel Morse, Monroe City, Mo. 4-5

EGGS!!! BREEDERS!!! Finest Orpingtons, White, Black, Buff, White Wyandottes, R. I. Reds; Runner Ducks, three kinds; 152 prizes, 35 first, 10 specials in two shows. Woman's College, Meridian, Miss. 4-5

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HIGH CLASS POULTRY. Black Minorcas, White Leghorns, Mottled Anconas, R. I. Reds, all Single Comb, best stock. Write for prices. West End Poultry Yards, Waynesboro, Va. 1-5

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CAMPINES, BUCKEYES, S. C. Reds and S. C. W. Leghorns. Write for mating list. O. A. Persons, Box A, Medina, O. 3-5

20 EGGS, $1.00. Reds, Rocks, Leghorns; 30 other varieties; also pigeons, hares, ferrets. List free. A. L. Bergey, Telford, Pa. 3-5

ROSE COMB RHODE Island Red and Crystal White Orpington eggs, $1.00 and $2.00 per 15. Special prices on 100 egg lots. Bourbon Red Turkey eggs, $3.00 per 9. Mrs. Lincoln Brown, Route 8, Ottumwa, Iowa. 3-5

OH, YOU DUCKS! Hatching eggs, day-old chicks and ducklings; breeders; pure White and Fawn and White Runners, Barred Rocks, White Wyandottes. Winners and layers. Mating list. John F. Crane, Spencer, Ind. 3-5

WHITE WYANDOTTES and Partridge Rocks. Stock and eggs for sale. Write for prices. G. Ruck & Co., Route 5, Wapakoneta, O. 3-5

"STOP, LOOK, LISTEN." Get my mating list of perfection strain Partridge Plymouth Rocks and Rhode Island Whites. It's free. W. H. Stephenson, Box K, Kempton, Ind. 3-5

EGGS FROM PRIZE WINNING White Runner and Rouen Ducks, African Geese and White and Black Faverolles for sale. Satisfaction guaranteed. Write wants. H. H. Haskins, Wakeman, Ohio. 3-5

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WHITE LINE POULTRY FARM—Fishel White Rock, White Runner ducks. Stock and eggs, prices reasonable. Satisfaction guaranteed. Reference, First National Bank. R. R. Adams, Albion, Ill. 3-5

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UTILITY CHICKS. White and Brown Leghorns, Barred Rocks, Rose and Single Comb Reds, Buff Orpingtons, 20,000 per week. Send for illustrated catalogue. The Houck Hatchery & Breeding Co., Tiffin, Ohio. 5-7

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ILLUSTRATED POULTRY PRINTING—150 letterheads and 150 envelopes neatly printed to copy and illustrated with your variety and shipped prepaid for $1.00. Special prices on all poultry printing. Samples free. Union Publishing Co., Dept. 6, Uniondale, Ind. 4-5

PRINTING FOR POULTRYMEN—125 noteheads and 125 envelopes $1.00 prepaid. Noteheads, envelopes, cards, tags, labels, 100 either 50c, 250 85c, 500 $1.40, 1,000 $2.40 prepaid. Postcards. Circulars, catalogues, letterheads. Finest cuts furnished. Stamp brings samples. Model Printing Company, Manchester, Iowa. 3-5

POULTRY PRINTING — Envelopes, Letterheads, Cards, Tags, Circulars, everything. Finest work; moderate prices; mammoth line newest poultry cuts. Samples and prices for stamp. S Earle Richards, Dept. B, Monticello, Wis. 3-5

3,000 GUMMED LABELS, 1x2 inches, printed to order, $1.00 postpaid. Advertising stickers, all kinds; parcel post labels, all sizes; illustrated catalogue free; agents wanted. G. S. Edward Harrison, Baltimore, Md. 3-14-tf

THE GREAT LEGHORN FARM

Eggs half price after May 10. Fine birds for sale in Fall for show purposes.

Henderson & Billings, St. Marys, Ont., Can.

OUR MAMMOTH BRONZE TURKEYS

A grand lot of young and yearling stock for sale, including Grand Champion Cock Ill. State Show, 1913.

Jas. S. Miles & Son Petersburg, Illinois

Quality White Orpingtons

Ten pens mated. Send for mating list. All infertile eggs replaced free.

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BARRED PLYMOUTH ROCKS

That win. Write us before buying elsewhere.

SUNNY SIDE POULTRY FARM
J. J. Klein, Prop. Macon, Illinois

TAYLOR'S WHITE ROCKS

Three grand pens mated. Eggs for hatching. Will be glad to answer all inquiries.

H. E. TAYLOR PETERSBURG, ILL.

NO MORE HATCHING EGGS

S. C. Buff Orpingtons

Variety leaders in two Egg Contests

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Won 1st, 2d pullet at St. Louis and special for best shaped female. Eggs from winners at reduced prices. Now fine breeders for sale at ½ price. Write for prices and 1914 mating list. Stock and eggs guaranteed. **E. A. WEBB, EWING, ILLINOIS**

SILVER CAMPINES—Improved Strain

Bred from imported stock and Chicago winners. Eggs and chicks. Prices reasonable. Fertility and safe delivery guaranteed.

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Perfection Blue Barred Rocks

Chicago, Cedar Rapids and Davenport winners. 60 fine breeding pullets at $2.00 each.

S. N. Tremper, Lock Box 733, Sandwich, Ill.

R. C. Black Minorcas

Write your wants and get my prices.

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Fritz's Barred Rocks

A few extra quality birds for disposal. Book your egg order now from my specially mated pens. Mating list mailed free on application.

CHAS. C. F. FRITZ STAUNTON, ILL.

Stop the Brooder House Losses

It is less work and expense to raise the chicks right than it is to half raise them in the old style hover brooders. Our free book tells all about it. Write for it today. Here is some proof.

"We are just writing a line to say that we have had your two large stoves in operation some two weeks and find them thoroughly satisfactory in their work and practically no trouble to operate. Kinnear Poultry Co., Sussex, N. B., April 7, 1914."

Don't delay but get a Duplex and make more money out of the poultry business than you ever thought possible.

DUPLEX COLONY BROODER CO., Box 500, Rockford, Ill.

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WHITE BUFF ORPINGTONS

Look up my ad in the April issue. Eggs now are ½ price. You can't get better quality or stronger stock.

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Let Me Start You In The Poultry Business

My "Peerless-60" is a revolution in incubators,—first practical all-metal, fire-proof, everlasting 60-egg machine ever known. Perfect heating system. For large or small poultry raisers. Delivered anywhere, $6.00. Write for details.

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The HENS rid THEMSELVES of lice with "Warner's Way." Sure—Try it—its practical. Send for catalogue of Show Coops, Shipping Coops, Chick Boxes, Trap-nests or anything in the poultry line to

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River and Race Streets

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R. C. R. I. REDS

Eggs for hatching at $5 per 15, $9 per 30, from TWO GRAND MATINGS of the FAMOUS I. W. BEAN STRAIN.

J. M. HOLT, Lock Box 304, Marshalltown, Ia.

REDUCED TO HALF PRICE

Improved Campine Eggs. Both Silver and Golden. Winners wherever shown. None better. Send for free circular and mating list before eggs are all booked.

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P. O. Box 186-N Ridgefield, N. J.

SINGLE COMB BROWN LEGHORNS

Why not hatch your winners?

Five grand pens mated; all headed by Chicago winners. Catalogue free. **Eggs half price after June 1.**

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745 Prairie Ave., Kalamazoo, Mich.

Illustrated Breeders' Cards

RATES for Illustrated Breeders' Cards: 40-word card, with small sized illustration (to be furnished by us), $2.50 per month for less than one year; $24 per year, payable quarterly in advance. Words in excess of forty, seven cents extra per word per month. Numbers and initials count words. **Copy for advertisements, plainly written, should reach this office by the 15th of the month preceding date of issue.** In answering these advertisements please mention AMERICAN POULTRY JOURNAL. : : : : : : : : : : :



WHITE WYANDOTTES, Keeler strain direct. Line bred for ten years. My yards consist of winners at Illinois state show, Galesburg, Canton and Havana. Winners of more ribbons than all my competitors combined. Mating list ready; stock all sold. T. C. Rafferty, Canton, Ill. 4-14 1yr



SILVER CAMPINES. Eggs for sale from Imported English standard Campines from the best breeders in England. Eggs from pen No. 1, $5.00; from pen No. 2, $35.00. All stock for sale after June 15th except spring hatch. E. A. Shults, Lawrence, Mich. 4-2



REED'S WHITE WYANDOTTES win at Rochester, 1913-1914, on six entries, 3rd cockerel, 2nd hen, 2nd, 4th, 5th pullet. At Syracuse, 1913, 1st, 4th, 5th pullet. Eggs, $2, $3, $5 per 15. Write. Albert J. Reed, Clifton Springs, N. Y. 4-2



POLO LEGHORN FARM; strictly high class utility S. C. W. Leghorns. Bred for eggs and size. Trap nested ancestry. Eggs for hatching and chicks. Am booking orders for 10-week-old pullets and cockerels. Catalog free. Only one C. E. Trump, Prop., Polo, Ill. 12-13-1yr



BOOKING ORDERS for eggs and baby chicks from my blue ribbon and governor's cup winning Single and Rose Comb Anconas, White and Buff Orpingtons, imported Silver Campines. My birds are as good as the best. Write for mating list. DeLine, Box D, Olympia, Wash. 12-13-1yr



DARK CORNISH. Twenty-two years my specialty. Madison Square, Boston, Baltimore, Louisville, Hopkinsville winners. Descendants of imported prize winners. Utility stock all sold. Six superb breeding pens this season. Mating list free. Send T. D. Moore, Hopkinsville, Ky. 12-13-1yr



WHITE WYANDOTTES, Rose and Single Comb White Leghorns and Black Javas. Winners at Williamsport, McKeesport, Pittsburg, Greensburg, Beaver and Uniontown, Pa., shows. Order your eggs for hatching now. A square deal to all. Moffat, Jr., Box 121, East Pittsburgh, Pa. 2-14-1yr



OUR BARRED PLYMOUTH Rocks, pullet bred exclusively, win at every show. Look up our ad in last American Poultry Journal. They win, they lay, they pay their way. For mating list write today. John Peterson, Box 27, Randall, Iowa. 3-14-1yr



FIFTY VARIETIES OF FINE THOROUGHBRED POULTRY. Cochins, Brahmas, Langshans, Rocks, Wyandottes, Houdans, Orpingtons, R. I. Reds, Leghorns, Polish, Hamburgs, Spanish, Ducks, Turkeys, Geese, Incubators and Brooders. Large illustrated catalogue mailed for 4c.

C. M. ATWOOD
Box A7, Dundee, Minnesota



BENNETT'S WHITE WYANDOTTES win at Freeport, in hot class, on eight entries, nine ribbons, including 1st and 2d cock. Every specimen placed. Specially good cocks, cockerels and pullets for sal J. B. Bennett. Belvidere, Ill. 10-13-1 yr.



BABY CHICKS, 10 to 15c; stock, $1.50 up; eggs, $5 to $6 per 100. Reds, Orpingtons, White and Columbian Wyandottes, White Leghorns, Barred Rocks, Toulouse geese, Pekin and Runner ducks, Red turkeys. Catalog free. G. A. Mitchell, Freeport, Ill. 2-14-1yr



MY SINGLE COMB ANCONAS won at Illinois State Fair, Illinois State Show and St. Louis Coliseum Show. A few cockerels left for sale. Eggs and day-old chicks. Custom hatching. Tambourette Poultry Yards. F. V. Hays, Prop., Carrollton, Ill. 12-13-1yr



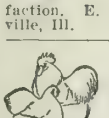
SINGLE COMB REDS. Our Single Comb Reds won at Peoria, Ill., Dec. 2-7, 1913; 250 entries in the class; 1st hen, 4th cock. At Wyoming, Ill., Dec. 8-13; 1st, 2nd, 3d cock, 1st, 2nd, 4th, 5th hen, 1st, 2nd pen; exhibition and breeding stock for sale; also some good breeders in White Orpingtons for disposal. Mrs. Elon Steer, Wyoming, Ill. 2-14-1yr



ANCONAS, GOLDEN WYANdottes, Campines. We still have a few cockerels and pullets for sale; choice birds; booking egg orders now; first come first served. Write us for our new mating list; write today. C. H. Mills & Son, Warren, Ohio. 1-14-1yr



WHITE FACED BLACK SPANISH, bred from imported stock; won all awards at Danville, Jan. 13-17, 1914. Also grand sweepstake cup for best display, all varieties competing. Eggs from specially mated pens, $5 and $3 for 15. I guarantee satisfaction. E. L. Power, 5 E. Voorhees St., Danville, Ill. 2-14-1yr



BANTAMS, IMPORTED STOCK, Golden Duckwing, Silver Duckwing and Birchen Game, Buff, Black and White Cochins; at the Illinois State Show, 1913, we won six firsts on six entries; also all shape and color specials. Write for prices. Klingbeil Bros., Petersburg, Ill. 10-13-1yr



S. C. AND R. C. RHODE ISLAND Red cockerels and pullets at $2.00 each. Eggs for hatching, $1.50 per 15, $2.25 for 30, or $5 per hundred. Satisfaction guaranteed or money refunded. Joe O'Reilly, Custer Park, Ill. 1-14-1yr



MAMMOTH BRONZE TURKEYS of the better kind. Choice exhibition and breeding birds at reasonable prices. Also choice Barred Rocks. No better stock anywhere. Write today to Miss Sallie Cox, R. 1, New London, Mo. 3-14-1yr.



MAPLE GROVE FARM Barred Plymouth Rocks, superb quality, exhibition, cockerel and pullet mated birds for sale. Eggs from selected pens, $5.00, $3.00 and $1.50 for fifteen; utility eggs, $5.00 per hundred. Route 9, Decatur, Ill. Member American Poultry Association. Member American Plymouth Rock Club. 3-14-1yr



ROSE COMB RHODE ISLAND Reds. My Reds have won at the leading shows, including Decatur, Illinois, State Show and three consecutive years at Quincy. They have also won for my customers and will win for you. Book your order for eggs now from my specially mated pens. J. L. Brock, Bethany, Illinois. 3-14-1yr



BUFF ORPINGTONS of good type and beautiful Golden Buff color, at recent Streator Fair in strong competition we won 2nd cockerel, 2nd pullet and 2nd pen. Eggs at $2.50, $3.00 and $5.00 per setting. Ben H. Smith, Streator, Ill. 10-13-1yr



HIGH QUALITY REDS. I have three pens mated up for 1914 breeding, 21 select females and 3 males. They are of good type and color. Eggs selected equally from the three pens, $5.00 per 15. C. P. Scott, R. R. 36, Peoria, Ill. 10-13-1yr



RED HEN POULTRY YARDS. Single Comb Rhode Island Reds, the kind that win, lay and pay. Winners in the leading shows. Eggs, $2, $3 and $5 per setting. Also five eggs from each pen at $3.50. Satisfaction guaranteed. Red Hen Poultry Yards, Lincoln, Ill. 11-13-1yr



OUR BLACK AND WHITE Orpingtons won 63 ribbons on 58 entries at Carrollton, Louisiana, Missouri, Beardstown, Jacksonville, Petersburg and Illinois State Show. All specials and six silver cups. Stock, eggs and chicks for sale. J. C. & A. P. Weber, Dept. A, Jacksonville, Illinois. 3-14-1yr



ATTENTION, Poultrymen. Have secured stock from foremost breeders in America: Wm. Cook & Sons, Philo, and Kellerstrass. We are prepared to sell S. C. White Orpington eggs from greatest strain of layers in existence. Write for prices. W. H. Dunham, Eldon, Wapello Co., Iowa. 3-14-1yr



WHITE AND COLUMBIAN Rocks, breed of Bickerdike strain, White Rocks for seven years, also breed Columbian Rocks. Eggs for hatching, $5.00 per 15. Utility White Rock eggs, $7.50 per 100. Replace infertile free. Sable and white Scotch collie pups for sale. Fred Deihl, Morrisonville, Ill. 3-14-1yr



WHITE PLYMOUTH ROCKS, White Holland Turkeys, Fawn Indian Runners. Quality absolutely guaranteed. All sales on approval. Eggs, Twelve years with first two varieties. Verne D. Stock, Stockton, Ill. 3-14-1yr



MY WHITE ORPINGTONS won all 1st, 2nd, 3rd and 4th premiums at Harvard, Ill., show, January, 1914. Also special for best display. I am offering eggs from these winners at $5.00, $3.00 and $2.00 for fifteen. Mrs. Alice Maxon, R. R. 4, Harvard, Illinois. 3-3



BABY CHICKS, BARRED PLYMouth Rocks, Mammoth Incubator hatched, Parks bred to lay strain, from healthy free range stock. Why buy eggs when chicks are more satisfactory? Order early to avoid disappointment. $12.00 per 100. H. Taylor, Berlin, Maryland. 5



MASSEY'S FAMOUS White Wyandottes are Big Money Makers. Give them a trial. Eggs at half price, $2.50, $1.50 and $1.00 per 15. Stock $2.00 each and upwards. 24-page catalog free. Snow Drop Poultry Farm, E. Massey, Prop, Mystic, Iowa. 2-14-1yr



1913 MY WHITE WYANDOTTES won fourth Missouri Laying Contest. 1,759 eggs; Arkansas State Fair and Pine Bluff they made a clean sweep. There is a reason. Free circular tells why. Eggs, $3.00 per 30, prepaid. S. L. Todd, R. R. 1, Green Forest, Ark. 3-14-1yr



52-LB. STRAIN BRONZE Turkeys, splendid markings, 10 eggs, $3.00. Also Aylesbury Ducks, Buff Orpingtons, R. I. Reds, Black Langshans, Brown and White Leghorns, Hamburgs and Pearl Guineas. Eggs from $1.00 to $2.00 per setting. C. R. Smith, Burnt Prairie, Ill. 5



BOCK'S WHITE WYANDOTTES. Eggs half price from ten mated pens of the best blood lines in America. Many first prize birds at leading shows past season were sold from our flocks. Exclusive breeder of White Wyandottes since 1893. White Wyandotte Farm, Oscar L. Bock, Prop., Council Bluffs, Iowa. 4-14-1yr

Beautility Partridge Rocks

BRED FOR CONSISTENT WINning and heavy egg production. Fine utility and high class exhibition birds for sale. Eggs from six pens for season 1914. "Your money's worth or your money back, and you're the judge." R. H. Russell, Fayette, O. 6-13-1yr

STOCK FOR SALE

PARTRIDGE, BARRED, WHITE, Silver Penciled, Columbian, Plymouth Rocks, Rose and Single Comb Buff, Black and White Orpingtons (Blacks imported), Silver Campines and Derbyshire Red Caps. We have old and young stock of high class at special price. John A. Hageman Co., Charlotte, Mich. 9-13-tf

WHITE WYANDOTTES

SUPERB STRAIN. Winners at Michigan's best shows. Line bred from heavy layers. Superb King, best bird at Scranton, 1913, heads one pen. Other males winners. Eggs $2, $3 and $4 per 15. Mating list free. J. Vernon Sheap, Jackson, Mich. 2-14-1yr



ROSE COMB REDS EXCLUSIVELY. From Buschmann's $30 setting. Prize winners. Mated by licensed judge. Good fertility guaranteed. Best pen, $3.50; second, $2; farm range, $1 or $5.00 per hundred eggs. Circular free. James D. Pace, Route 6, Mt. Vernon, Ill. 5



AIKEN'S STRAIN WHITE Wyandottes. "Ohio's Best." Great layers. Great winners at Cincinnati, Hamilton and Carthage Fair. Eggs, $1 per 15; best, $2 per 15. Breeders for sale. Cockerels this fall. Orders booked for fall delivery. C. M. Aiken, Madeira, Ohio.



BABY CHICKS FOR MAY SHIPments. Guaranteed safe arrival 2,000 miles. True to name, standard bred Buff Orpingtons, White Orpingtons, White Wyandottes, White Leghorns, Barred Plymouth Rocks, Reds. Write for circulars. Eggs for hatching. Martin Michelson, 232 Fifth St., Aurora, Ill. 5

Eggs For Hatching FROM IMPORTED Golden Campines, Single Comb White and Black Minorcas, Single Comb Brown Leghorns and White Wyandottes, good laying strain. Stock for sale. Satisfaction guaranteed. C. Jackson, Box M, Buchtel, O. 3-14-1yr

BARRED ROCKS OF GOOD TYPE AND LARGE size. They lay and they weigh. Choice pullets, either mating, for sale. Eggs from six of the best pens I ever owned. Send for mating list. Mrs. Chas. E. Popham, R. 7, Charleston, Ill. 3-3

BOWMAN'S ROUP CURE Is guaranteed to CURE Roup or White Diarrhoea, or money back. For sale by all dealers, 25 cents, or by mail on receipt of 35 cents. Manufactured by **J. H. REED, Paris, Illinois**

HILLSWOOD SINGLE COMB REDS

Winners at Madison Square Garden, Grand Central Palace, New York and other leading shows. Eggs for hatching from pens including the winners. Send for mating list.

ERNEST UNDERHILL, Morris Plains, N. J.

Now turn back to page 774 and read it

BIRKHOLZ REDS are winners

5 pens—$5.00, $3.00, $2.00, $1.50; mated from our 1912-1913-1914 winners. Won 2nd Pen, 3rd Cock, Cleveland, O., Dec., 1913. Eggs one-half price after May 1. Order now.

Ernst F. Birkholz S. C. R. I. REDS Willoughby, O.

S. C. WHITE LEGHORNS

W. L. Fern Strain has never been defeated in the show room. 50 fine utility hens for sale. Eggs for hatching and day-old chicks. Write for catalogue.

W. L. FERN 682 Slade Ave. ELGIN, ILL.

Schoof's Buff Orpingtons That Win

Yards headed by sons of first Chicago cock, 1911. Females large and massive and solid buff. Drop me a card for mating list and prices. Specialty breeder. Member club.

WALTER C. SCHOOF : : : IMLAY CITY, MICH

WARREN'S REDS

PURE CROWTHER STRAIN

Eggs from all my pens at cut prices for May. Write for my bargains.

BELL-VISTA FARM, MENTOR, OHIO

Eastern Star Strain Single Comb

Rhode Island Reds

AT ALTOONA, PA., JANUARY, 1914, at the State Meet of the R. I. Red Club of America, won 1s and 4th Cock, 1st, 3rd and 4th Hen, 1st and 4th Pullet and 1st Pen. Cup for best Red in the Show won by 1st hen. Cup for best female. R. I. Red State Cup for best display. The pen won the $75.00 Cup for the best pen in the Show, 86 pens competing (146 Reds in class.)

Have also proven among the best winners at

ALLENTOWN	HAGERSTOWN	SYRACUSE
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and other leading shows. Write me your wants. I can supply you with eggs or stock and guarantee you satisfaction, and my guarantee proper means stock at proper prices. Money refunded immediately if you are not satisfied. Mention American Poultry Journal.

L. W. Maxson Scranton, Pennsylvania

Listen to Me

After May 10th, **EGGS from NIXON'S WHITE WYANDOTTES** will be reduced as follows: All $10 matings $7; all $5 matings $3. This is an opportunity to secure the cream of White Wyandottes at a trifle over half price. Write at once. Mating List.

CHAS. NIXON, Judge and Breeder, Box 202, WASHINGTON, N. J.

BLACK ORPINGTONS BRED-TO-LAY AND WIN. The big, blocky kind. Write for mating list.

SYLVESTER THOS. McCABE 535 W. 4th Avenue COLUMBUS, OHIO

Wysocki's Silver Campines

Winners at Chicago, Jan. 1914, 1st Pen, 2nd Cockerel, 2nd and 5th Pullet. Eggs and day old chicks at reasonable prices. Mating list upon request.

MRS. J. WYSOCKI, 431 Lafayette St., Aurora, Ill.



HARNLY'S QUALITY WHITE ORPINGTONS

HALF PRICE EGGS after May 10th from first prize winners at Chicago (Coliseum), Wisconsin, Illinois, Indiana, Iowa, Nevada, Nebraska, Colorado and Ohio State Shows.

BABY CHICKS. Sacrifice sale of breeders. Ask for illustrated Catalogue.

(The unretouched photo in this advertisement is of my First Prize Chicago Pullet).

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HATCHING EGGS
Pens 1-3 - $15.00 Setting
Pens 4-6 - $10.00 Setting
Pens 7-15 - $5.00 Setting
Guaranteed 100 Per Cent Fertile
Pens 15-20 - $2.50 Setting
Guaranteed 90 Per Cent Fertile

UTILITY EGGS
$1.50 Per Setting
$7.00 Per Hundred
$6.00 Per Thousand
Guaranteed 90 Per Cent Fertile

GRANOCK FARMS' S. C. WHITE LEGHORNS

Have Won at Such Shows as Grand Central Palace, N. Y., Buffalo and Philadelphia, This Year

They are bred for egg production as well as show qualities. We guarantee satisfaction and full value for your money. Make a noise like an order and we will prove to you that we can satisfy you like we have hundreds of others. 1914 Catalog and mating list free. Send for one now.

COCKERELS! COCKERELS! COCKERELS! Sold only under a guarantee to please. $4.00, $7.50 and $10.00 each. LONG BACKED PULLETS—$2.50 and $5.00 each.

Do not delay. Write us your wants now, today.

GRANOCK FARMS Stewart Haddock POUGHKEEPSIE, N. Y.

Page 774 is interesting---read it NOW

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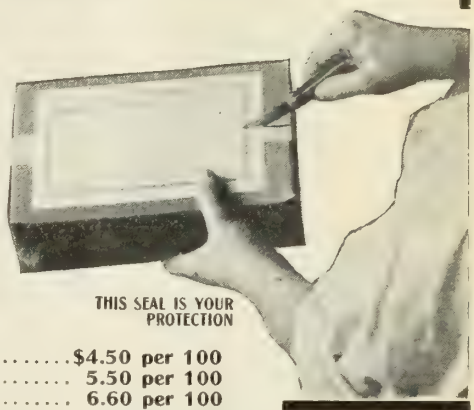
The Andrews Safety Egg Carrier



SEE THAT AIR CHAMBER

This box is beyond doubt the most satisfactory Egg Carrier ever devised, and its price is so low that it can be used for Parcel Post Commercial shipments. No Fancier can afford to be without it. There are now more of these being used than all other kinds put together.

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THIS SEAL IS YOUR PROTECTION

1-doz. Egg Size,	complete	with	tape	and	label	$4.50 per 100
15-Egg Size,	"	"	"	"	"	5.50 per 100
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50-Egg Size,	"	"	"	"	"	13.00 per 100
100-Egg Size,	"	"	"	"	"	18.00 per 100

We do not ship less than 50 of each size. Order from this advertisement. We also manufacture a complete line of Baby Chick Carriers. Our line of light wooden coops for shipping exhibition birds, and our beautiful sanitary and practical open front Colony Houses are the most wonderful values ever offered to the poultry trade. Send for our complete catalog. It has much valuable and practical information. No poultryman should be without it.

THE ANDREWS PAPER BOX COMPANY

The South's Leading Corrugated Fibre Manufacturers

O. B. ANDREWS, President

CHATTANOOGA, TENN.

$10 **OAKLANDS** $10

Oaklands Quality A rare opportunity for those who are looking for strong, healthy, vigorous chicks is offered at $10.00 per 100 for month of May.

These chicks are every one hatched from eggs from 2-year-old females, and are fully guaranteed.

Single Comb White Leghorns of this strain have been winners in the largest shows, and are the best of layers. You will probably never again have the opportunity of getting this quality of chicks at the price.

First come, first served, with satisfaction guaranteed to all is our motto.

OAKLANDS FARM

R. F. D. No. 4 TRENTON JUNCTION, N. J.

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Eclipse all former achievements and win the most brilliant record of their time at Madison Square Garden, New York, this Winter of 1914, winning as follows:

ALL RIBBONS ON COCKERELS, namely, first, second, third, fourth and fifth prizes.

First and fourth on Cocks.

First, second and fourth on Exhibition Pens.

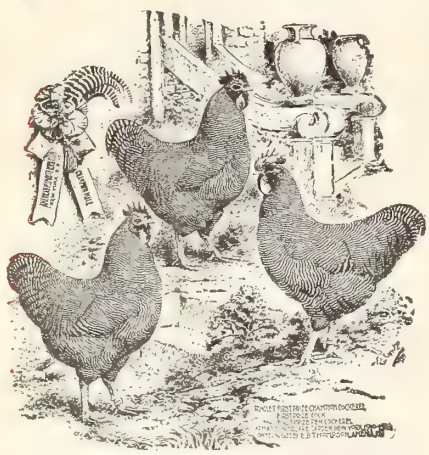
The Imperial prize of the show, Sweepstakes Special for Champion Male.

Medallion for Champion Cockerel.

Diploma presented by the American Poultry Association for Best Cockerel.

Spec'l for Best Shaped Male.

Spec'l for Best Colored Male.



"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York.

Silver Cup for Best Plymouth Rock hatched in 1913, male or female, any variety.

Specials presented by the President of the American Barred Rock Club for Best Cockerel and Best Pullet.

Three Best Cockerels; Best Display; Best Collection.

Silver Cup presented by the New York Sun for best Cock, Hen, Cockerel, Pullet and Pen.

Sweepstakes Silver Cup for Best Exhibition Pen.

The Association $25 in Gold for Best Display.

All Silver Cups and Cash Specials.

Three times as many first Prizes as any Barred Rock Exhibitor.

More First, Regular and Special Prizes than any Exhibitor of any breed.

My exhibit was the most illustrious ever presented to the world —every winning feather was bred on my farm.

The amazing record of **1st, 2nd, 3rd, 4th and 5th prizes** on Cockerels—every Regular and Special Prize offered—stands unmatched in the history of Madison Square Garden. It is unequalled. These cockerels and hundreds of their brothers on my farm are beyond comparison—they are the Finest in the World.

If you want to win and breed winners you must have my Imperial "Ringlets."

They are the standard by which all other Barred Rocks are judged. The great twin records at Madison Sq. Garden, N. Y., 1913 and 1914—two years in succession—spell **Imperial "Ringlet" Supremacy.**

GRAND BIRDS FOR SALE

Elegant 70-page catalogue upon request.

EGGS from the finest exhibition matings in the world $10 per setting; four settings, $35; 100 eggs $60.

E. B. Thompson

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L. A. STAMMER

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PONTIAX BLDG. CHICAGO, ILL.

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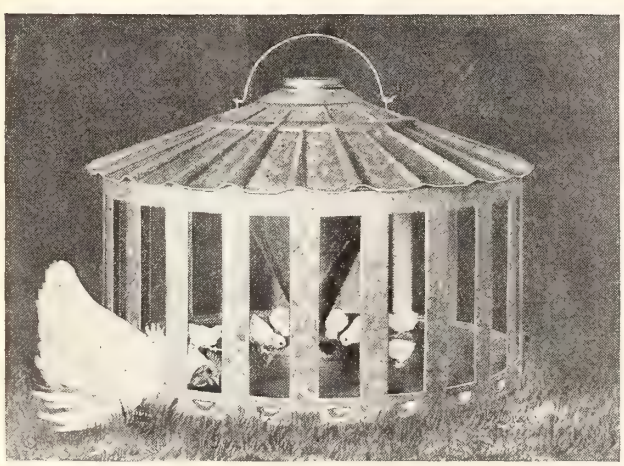
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Are the acknowledged champions by virtue of a show record unequalled by any competitor.

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A red hot one, right from the bat---and nobody out---on page 907

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Barred Plym. Rocks for Exhibition and Utility

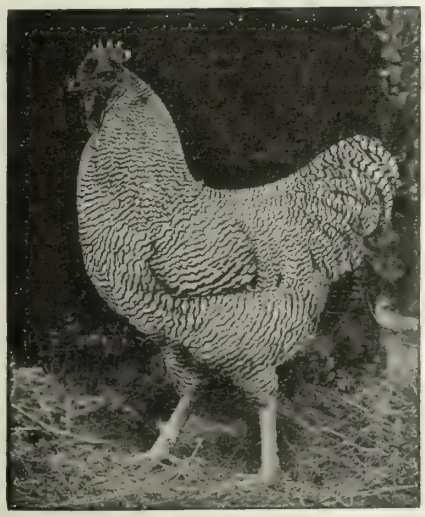
Madison Square Garden, New York, Chicago and St. Louis Winners

This grand strain is large framed, with wonderful type, has long, deep bodies, broad backs, well spread tails carried low, and that snappy distinct barring to the skin, that wins in the best of competition.

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When you start to make up your breeding pens this year and find that deficiency which you desire to overcome, **remember that I have the strongest lines of breeding Barred Rocks in America**, and can furnish males and females with the quality desired to balance the pen and improve the progeny.

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First Prize Pullet Bred Cockerel, Coliseum, St. Louis, 1913

For the season of 1914 I will mate 50 breeding pens in both my **Cockerel** and **Pullet lines**, from which I will furnish eggs for hatching at prices quoted in my mating list and catalog which describes each individual specimen that I will have in breeding. These pens will contain my Madison Square Garden, N. Y., Chicago and St. Louis winners and their descendants. The inherent characteristic quality as bred in the **Henderson Strain** both in the Cockerel and Pullet lines, and demonstrated by their public record in the best show rooms in America, enables me to mate for the season of 1914 the strongest breeding pens of **Barred Rocks** in the world.

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TRADE - MARK
LEG BANDS



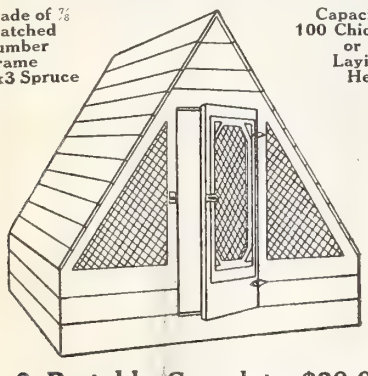
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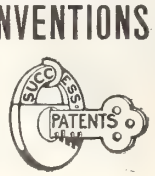
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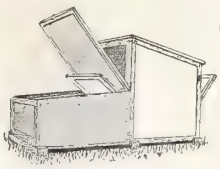


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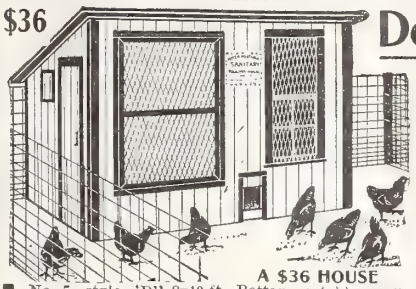
is made of the new **SANITO-BOARD** a composition without a rival for poultry house construction.

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Give your chicks a chance to grow free from lice, mites and dangerous pests if you want the golden Winter layers. Will pay first season. Send for circular B NOW.

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Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a **Potter Portable** with complete outfit of roosts, dropboards, and nests. You save money too. A clean, sanitary henhouse means healthy hens and lots of eggs.

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A roofing of everlasting, pliable stone, made of pure Asbestos and Trinidad Lake Asphalt. A perfect protection for otherwise perishable buildings. Requires no paint or other protection. No maintenance cost. Keeps buildings cool in summer, warm in winter. Affords wonderful fire protection. Proof against every weather condition. Easy to lay with J-M Cleats, which come with each roll. White and attractive — no cement-smeared, unsightly joints or laps.

J-M REGAL ROOFING was perfected to supply a demand for a rubber type, wool felt roofing, lower in price than J-M ASBESTOS, but containing the H. W. Johns-Manville Co.'s standard of quality and service. Also applied with J-M CLEATS.

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The Sharples Separator Co.
West Chester, Pa. U.S.A.

April 8, 1914

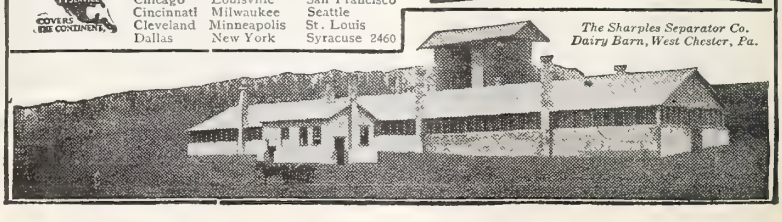
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Gentlemen:

We are using your Asbestos Roofing on our new dairy barn, having decided to adopt it because of the satisfaction it has given us on other buildings. Our barn and equipment are thoroughly modern in every way, and our dairy is run on a profit-producing basis, so that the feature of ultimate saving which can be made with your permanent roofing was an attractive one. It also gives an appearance of neatness, which is very valuable on a dairy farm like ours. We are glad to recommend it

Yours very truly,
THE SHARPLES SEPARATOR CO.
P. M. Sharples
Vice-President.

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The Sharples Separator Co. Dairy Barn, West Chester, Pa.

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THE BEST BLOOD LINES

Tecktonius-Reed Strains

R. C. S. C. Buff Leghorns S. C. Rhode Island Reds



The fame of **"Tecktonius" Buffs—America's Champion exhibition and laying fowl**—is world wide. Big exhibition prizes, everywhere, at their mercy—not once, but for **7 consecutive years**. Their laying record, as well, is as long and brilliant, with 249½ average in 1912 Nat'l Laying Contest—one bird 281 high. "Tecktonius" Buffs build "winning" reputations, and make "big money" for poultrymen. Put your trust in them and be a "winner" as a poultryman.

Reed's Champion Single Comb Rhode Island Reds are the outcome of **seven years efforts** of B. C. Reed—one of the most scientific and successful breeders this country has ever known. He is an expert at mating and has by his untiring efforts perfected a strain of Reds that are second to none.

If you want to get into the class of **"winners"** do not overlook this grand strain of Reds.

See special offers below.

Some Unrivaled Tecktonius Strain Bargains

S. C. Matings--Pens 1 to 6 inclusive, one 15-egg setting, $10; two, $18, three, $25.
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R. C. Matings--Pens 15 and 16, one setting, $15; two, $25.
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No Chicks of Either Variety For Sale. Mating List Free.

Special Introductory Offer—Reed's Strain S. C. R. I. Reds

We have mated 6 pens of these Royal Bred birds--the cream of 565--comprising 2 Cocks, 4 Cockerels, 20 Hens and 40 Pullets. Everyone is a marvel of breeding, with exquisite, rich even Red Color, and with absolutely no contrast between hackle, back and sickle feathers. The tail and wing markings are as near perfection, as scientific breeding can make them. Both male and female types come up to standard requirements, and well over standard in breeding weight. From all pens above described, we will sell eggs as follows: One 15 egg setting, $5; two, $9; four, $15; per one hundred, $25.

No Stock For Sale Until Fall. No Chicks For Sale.

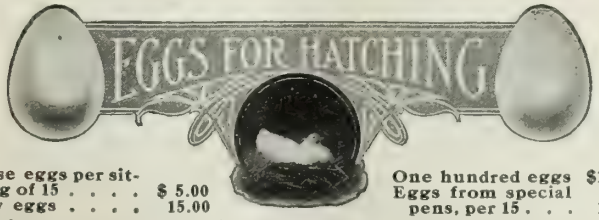
Special—A 50 % reduction from above prices on all egg settings from my S. and R. C. Buff Leghorn and S. C. R. I. Red pens; and a 25% reduction from my established list price on all S. and R. C. Buff Leghorn stock; effective June 1, 1914, and good until August 31, 1914.

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Eggs half price after May 1st. The best birds I ever raised were June hatched. Chicks will mature in time for the winter shows.

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20 pens mated, each one headed by one of those famous broad backed, deep bodied, well spread tailed Perfection Wyandottes.



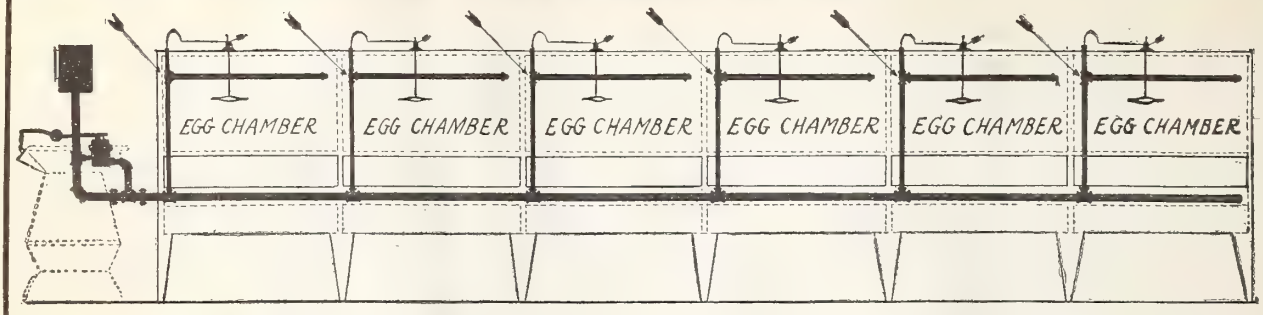
These eggs per sitting of 15 . . . . $ 5.00
Fifty eggs 15.00
One hundred eggs $25.00
Eggs from special pens, per 15 . . . 10.00

All of my exhibition stock is hatched from these 20 pens. I replace all infertile eggs returned to me before 14 days. Write for mating list.

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Correct Heating Results in Correct Hatching

Now is the time to plan for your 1915 incubator.

The machines are running full.

There are hot days and cool nights—conditions to test the heating systems.

It is under just such extremes that the Candee stands in a class of its own.

Visit the Candee installations, ask the operators, see for yourself.

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Study the upper picture.

The Candee coalburning heater furnishes a general supply of hot water flowing through the mains under the machine.

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A radiator in each egg chamber furnishes heat to the eggs in that compartment.

An automatic regulator on each compartment at the arrow points, controls the temperature in its own compartment.

Both the circulations and regulations are distinct—both are simple and reliable.

In a hot day the compartments take only a little heat. On a cool night they take as much more as they need, automatically and exactly.

The Candee heating method is unlike any other. It reduces labor and safeguards the eggs.

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Experienced operators marvel at the steady, even heat. They have tried the Candee with a cellar temperature of below zero, and with the cellar above 90 degrees. Regardless, the compartment temperatures were automatically held at just the degree wanted.

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Each Candee section is shipped completed—ready to set on its legs. No expert help is required. A machine is ready for the eggs in a few hours. Extra sections are added just as easily. Take the panel off the rear section and add the extra sections on.

Start with a 1200-egg Size

This is made up of two sections and it can be added to later. You can install it in a day. Anyone can operate it in a few minutes daily. It requires attention only when you have to turn and cool the eggs.

The 1200 is a popular size. Hundreds of them were shipped last season to all parts of the country, Canada and abroad.

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The leading colleges and Experiment stations, such as Mountain Grove, Mo.; Ames, Iowa; Purdue, North Dakota; Ohio State University; Cornell; Guelph, Alberta, and the Canadian government.

Many of the most prominent country estates of noted manufacturers, bankers, railroad presidents, etc.

The Long Island, Massachusetts and Pennsylvania duck raisers.

Leading poultry plants, farms, custom hatcheries, day-old chick specialists, etc.

In fact, there are more Candees in use than all other mammoths combined.

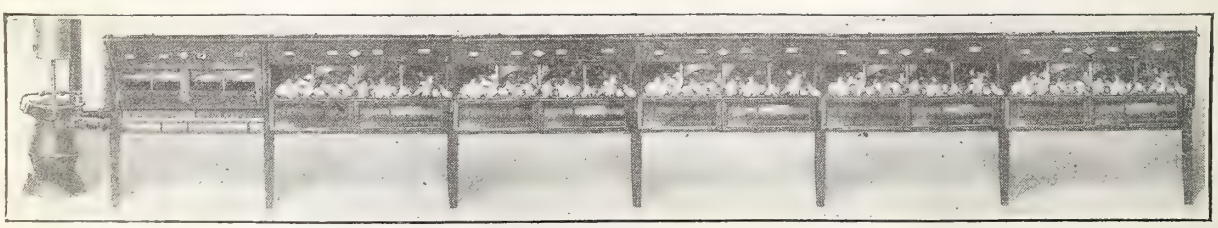
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Our 108-page free catalogue is illustrated with views of hundreds of farms at home and abroad, where Candee incubators and brooding systems are in use.

We supply incubator cellar and brooding house building plans and give complete service.

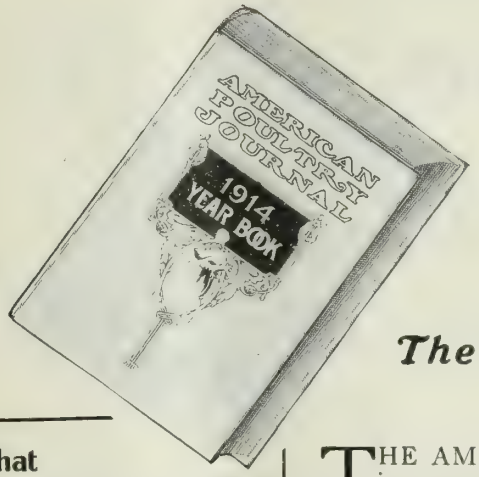
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Year Book for 1914



The Authentic Review of the Poultry Industry

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Greatest of All Poultry Books

It is fully illustrated by L. A. Stahmer, and also contains many colored pictures of the various breeds of fowls. This is not a one-man book, but has articles on poultry by many of the leading poultry authorities in the country. The 1913 Year Book proved of great value to many thousands of readers, and our supply gave out long before the demand did, therefore many interested persons got left. The 1914 Year Book contains over 400 pages of good practical common sense information which will be relished by professional as well as amateur poultrymen. Remember, now is the time to order your copy and avoid the rush.

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What Experts Think of It

Dear Sir: * * In my opinion the article on anatomy of the fowl will pay anybody for the purchase of the book. Yours truly, A. F. Rolf, Professor in charge of Poultry, Oklahoma Agricultural Exp. Station, Stillwater, Okla.

Gentlemen: Your 1914 Year Book has just been received. This, I find, is a valuable book, much more so, in my opinion, than the one which you issued last year. I find it crammed full of valuable information from cover to cover. Yours very truly, T. E. Quisenberry, Director Missouri State Poultry Exp. Station, Mountain Grove, Mo.

EVERYBODY PRAISES BOOK

Dear Sir: Year Book for 1914 just to hand and contents carefully noted. It is filled to repletion with valuable information no owner of poultry can afford to be without. Sincerely yours, B. F. Kaupp, M.D., Spartanburg, S. C.

Gentlemen: Received your very valuable 1914 Year Book today, and consider it worth its weight in gold. The many valuable hints, and helpful reminders it contains are deeply appreciated by the writer, and should be in the hands of all who may be interested in poultry culture, without exception. The beginner should not be without a copy at least, as the instructions it contains merits a great deal more than the name implies. I feel grateful for having had the opportunity to secure this book at such a nominal cost. Wishing you every success, I beg to remain, Yours very truly, Frank J. Britz, Prop. Quality Poultry Farm, Gregson, Mont.

Printing and Binding

The Year Book is printed on high grade enameled book paper and the binding is linen thread sewed to make it flat opening. There is nothing cheap or trashy about the book as no expense was spared to make it a representative of the best present day standard of artistic printing and worthy to be handed down to posterity as an example of what the best printer could produce in the year of 1914.

No book of this kind has ever been presented to the American public before. Think of it over 400 pages, colored illustrations, the best articles that money could buy, on the most helpful subjects, and complete show reports for 1913-14.

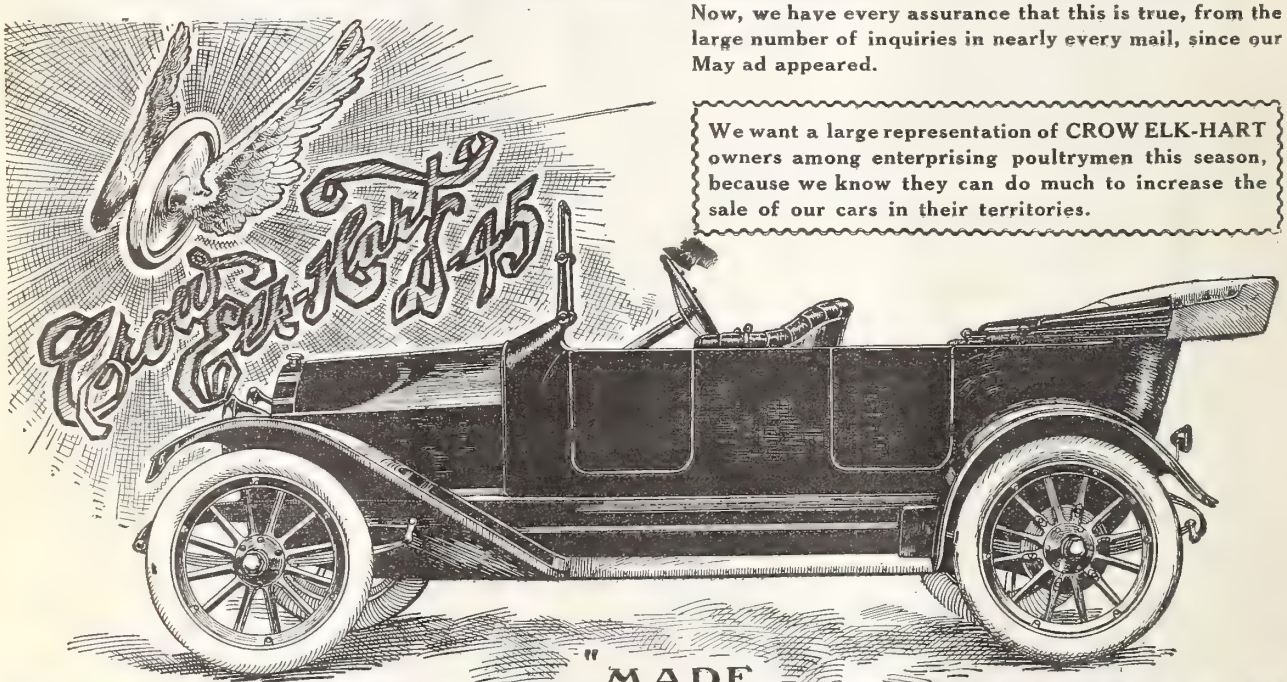
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Such seems to be the sentiment among a large class of thrifty poultrymen since our May ad appeared in the A. P. J. We had faith that there was a big field of opportunity to sell a high-class motor car to men engaged in the poultry industry. Now, we have every assurance that this is true, from the large number of inquiries in nearly every mail, since our May ad appeared.

We want a large representation of CROW ELK-HART owners among enterprising poultrymen this season, because we know they can do much to increase the sale of our cars in their territories.



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"MADE TO MAKE GOOD"

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MR. RURAL POULTRYMAN! MR. BUSINESS MAN!—

CROW ELK-HART PRICES will interest you! Do not delay writing us, that your order may be placed promptly, if you would experience the great satisfaction, pleasure and comfort to be derived from the ownership of a CROW ELK-HART.

Crow Motor Car Company, Elkhart, Indiana

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Winners at Madison Square Garden, Chicago, Buffalo, Cleveland, Ohio, A. P. A. Shows. All our exhibition matings headed by winning males at one or more of the above shows. Write for our great **Down to Rock Bottom** egg prices, and **Fertility** guaranteed. They will open your eyes and save your pocketbooks. **A. A. CARVER, Specialty Breeder -:- SEVILLE, OHIO**

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Now at $3.00 per setting, $5.00 for two settings or five settings for $10. Our Descriptive Mating List tells all about every mating we have. Send for it. The December and January winners will be hatched in June and July. Our usual guarantee goes with this sale. Don't miss this. Send for Mating List today.

SELECTED BREEDERS FOR SALE

We now offer for sale half our own females and several males, all used by us this year. Females at $3.00, $4.00 and $5.00 each—worth two and three times that. Males, including breeders and those held in reserve, from $5.00 up. Mated trios and pens a specialty. Don't miss this opportunity.

Our Latest Win at the New York Palace Show, December, 1913

We won with 213 birds competing of the usual **New York Quality: First Prize Hen and Sweepstake Championship, Special Medal for Best Hen in the Entire Show,** Special for Best Shaped Female, Special for **Best Female in American class, Second Cock, Second Cockerel,** Fifth Pullet, **Special First** Pullet-Bred Pen, **Special Second Cockerel-Bred** Pen, Special Second Pullet-Bred Cock and Third Cockerel, Special First Cockerel-bred Hen, Special First Cockerel-bred Pullet, **Spratt's Silver Cup** for Best Exhibit, Special champion female, etc.

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All Orpingtons — WM. COOK & SONS, Originators, Scotch Plains, N. J.

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OUR SPECIAL SALE Lists are now ready for mailing and we are offering the greatest bargains we have ever offered. By large saving in expenses we can give you prices that are surprising. No need to go in the details about **the quality** of the fowls we offer you, for the prizes won in the last ten years is proof positive of the quality of the United Farms fowls.

OUR SERVICE DEPARTMENT will buy or sell for you anything in the way of Poultry, Dogs, Animals or Ornamental Birds. The United Poultry Farms begs an opportunity to prove to you their ability to give you better value for your money than you can secure elsewhere. **Sale Lists Free. Special Prices on Eggs and Baby Chicks.**

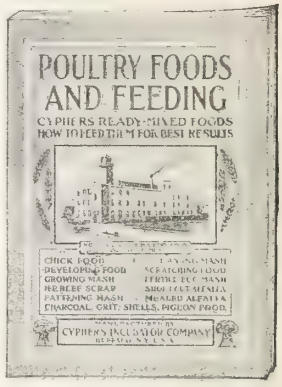
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SCOTCH PLAINS, N. J. UNITED POULTRY FARMS HOPE, INDIANA

Keep Your Chicks Growing

EACH YEAR many chick raisers make a fine start in the spring with good hatches and successful brooding, but when the hot summer months come along the chicks lose their thrift and stop growing. ***Don't let this happen to your flock.*** The summer months are the natural growing season for chicks and it is easy to keep them coming right along if they have half a chance. Free range during the day, good ventilation at night, abundance of shade, plenty of succulent green food and CYPHERS PURE-GRAIN, BALANCED-RATION FOODS will keep your chicks growing right through the hottest months without a check—without a backset, and they will come to the fall with large frames, sturdy bodies and vigorous constitutions—just the kind of birds that you want for layers and breeders. We ask you to give CYPHERS FOODS a trial to show what they can do in promoting ***steady, rapid growth, early maturity and vigorous constitutions.***

Use Cyphers Chick Food until the chicks are five or six weeks old, then change to Developing Food. After they are a month old keep Growing Mash before them all the time in hoppers, or moisten it and feed once or twice a day, and you can almost ***see them grow.*** Don't fail to provide High-Protein Meat Scrap, too. Chicks seldom get all the animal food they need on the range and they ***must have plenty*** of this nutritious, muscle-growing food if they are to make the best and most profitable growth.



This Book Would be Cheap at $5.00 Per Copy, Judged by Actual, Detailed Value of Contents. Tells How To Produce Broilers, Fryers, Roasting Chickens and Capons; Also Exactly How to Feed the Layers and Breeders. 52 Pages, 7⅛ x 10 Inches, One FREE COPY on Request to Any Address.

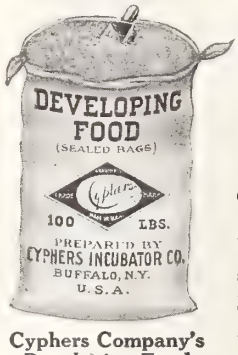
ASSORTED ORDERS: To give our foods and our FEEDING METHODS a fair trial, we ask you to order a 5-BAG OR A 10-BAG LOT, made up of an ASSORTMENT of Cyphers Chick Food, Cyphers Developing Food, Cyphers Growing Mash and Cyphers High-Protein Meat Scrap. Make up EITHER ASSORTMENT (five bags or ten bags) according to the age and number of your chicks. On a 5-bag order we will save you part of the freight by quoting a LOWER PRICE than the single-bag price, while on ten bags (assorted) the reduction in prices will offset the freight to points STILL FARTHER from our Buffalo, Boston, New York City, Chicago, Kansas City and Oakland, Cal. warehouses.

WRITE TODAY TO OUR PLACE OF BUSINESS NEAREST YOU FOR LOWEST CURRENT PRICES AND FULL INFORMATION.



Cyphers Company's Chick Food

This 100-Lb. Bag will feed 100 Newly-Hatched Chicks Four Weeks, or 50 Chicks Six to Seven Weeks. Price $2.50 F. O. B. Buffalo, Boston, New York City, Chicago and Kansas City. Price F. O. B. Oakland, $3.00.



Cyphers Company's Developing Food

This is a Medium-Granulated, Five-Grain Balanced Ration that we Advise our Customers to Feed to Growing Chicks Between the Ages of Six to Twelve Weeks, Before They are Given Whole Grain. Write for prices.

RECENT REPORTS FROM CUSTOMERS

Please read the sample reports given below and see what Cyphers Balanced-Ration Poultry Foods have done for others. ***They will do as much for YOU***

"Dressed at 3 Pounds, 9 Ounces"

New Castle, Pa., February 5, 1914.

Cyphers Incubator Co., Buffalo, N. Y.—

Last spring I tried your deep-litter plan of feeding chicks, ***testing it on a small scale.*** When my chicks were about a week old, I placed them in a run 3½x6 feet and used about five inches of litter and Cyphers Chick Food. ***I never lost a chick.*** One of the cockerels, at sixteen weeks of age, dressed at three pounds, nine ounces. I raised other chicks at the same time by hand feeding, ***but was convinced*** by this trial of deep-litter feeding ***that it gives the best results.*** I believe that ***it more persons who raise a few chicks each year*** would compare your Chick Food and your Mash Foods with other brands that are on the market today, ***the comparison*** would be enough to discourage the use of any other brand of poultry foods than the kinds made by your company.

W. O. WINK.

"Strong for Your Feeding Methods"

Hudson Falls, N. Y., March 9, 1914.

Cyphers Incubator Co., Buffalo, N. Y.—

I have used your Sealed-bag Brand of Chick Food during the past three years and I ***cannot say enough in praise of it.*** Have had such excellent luck since I began using it that if some one were to make me a present of a bag of any other chick food on the market, ***I would refuse it,*** provided I was obliged to feed it to my chicks, after accepting it. That is how "strong" I am for Cyphers Chick Food—and I am equally strong for your feeding methods. I have followed your plan of deep-litter feeding and had Barred Plymouth Rock pullets begin laying at five months and three days old, ***and they layed steadily all winter.*** The free poultry literature your company furnishes to its customers ***is a great help.***

GEORGE E. RUSSELL.

"Used Exclusively for Several Years—Buying in Half-Ton Lots"

Letts, Iowa, July 16, 1913.

Cyphers Incubator Co., Buffalo, N. Y.—

I have been using Cyphers Balanced-Ration Poultry Foods exclusively for several years, buying them in 500-pound and half-ton lots. Have tried out practically all the advertised poultry foods on the market, but ***by repeated experiment and long experience*** I find the Cyphers brand to be the ***most reliable*** and that they ***produce the most satisfactory growth and development*** in growing stock, not to speak of keeping the older fowls in splendid health and ***keeping up the egg-yield*** to the highest possible point. Cyphers foods are particularly free from weed seeds and foreign substances of all kinds, and I have never found any signs of moldy grains in them. I could not say as much for many of the other poultry foods I have tried out during the past few years. I use your Chick Food, Developing Food, Fattening Mash, High-Protein Meat Scrap and Short-Cut Alfalfa, and find the right combination of these foods invariably produces the desired results.

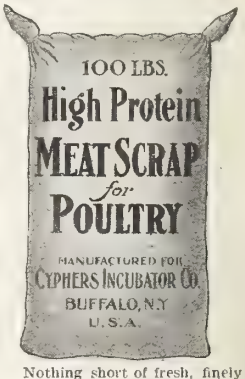
E. R. McCORMICK.

Six Places of Business: Bear in mind, reader, that the Cyphers Company conducts six places of business (and has done so for ten to sixteen years), thus bringing its goods NEAR TO YOU and thereby saving you money on freight charges and "valuable time" in making prompt delivery. WRITE TODAY to our place of business nearest you for our "Special 1914 Consumers' Prices" in ASSORTED 5-BAG, 10-BAG and TON LOTS of Cyphers Sealed-bag-brand, Balanced-ration, All-sweet-grain Poultry Foods—every bag, every ounce GUARANTEED TO POSSESS 100 PER CENT. FEEDING VALUE.

Be sure to send for our Big, Free 244-page Complete Catalogue, entitled "Poultry Keeping in All Branches."



The only SURE WAY to feed a correctly balanced ration is in "mash" or pulverized form—then the chicks simply have to eat it in the EXACT PROPORTIONS you give it to them; they CAN NOT possibly pick out just what they want, a grain of this, or a kernel of that. Cyphers Growing Mash, as the name indicates, is a balanced ration in mash form to be hopper-fed to chicks one month to six months old. One bag will PROVE OUR CLAIMS.

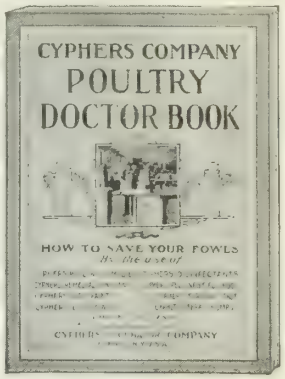


Nothing short of fresh, finely cut green bone and ground meat CAN EQUAL Cyphers High-Protein Meat Scrap for the RAPID GROWTH and development of chicks that are one to four months old. Young chicks will grow remarkably fast when fed a small ration each day of this "meat food." It takes the place of the thousands of bugs, worms and insects that your chicks would find for themselves if they were out on free range. Try 50 or 100 lbs. and TEST OUR CLAIMS.

Prevent Losses and Save Time

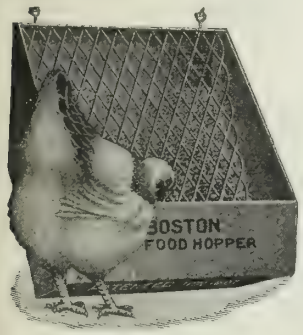
GROWING CHICKS at this season have most natural conditions in their favor and yet a little neglect or carelessness may result in heavy losses. The successful poultryman must always be on the watch for diseases, lice and other sources of loss. It is important, also, to use ***time-saving methods*** and to have ***up-to-date equipment*** so that the work can be done right. Thousands of experienced poultrymen have found the CYPHERS METHOD ***the loss-preventing, time-saving way*** and we ask you, Reader, to test our claims—to enjoy the advantages that Cyphers Equipment will give you.

THE NEW CYPHERS COMPANY POULTRY DOCTOR BOOK will help you to PREVENT LOSSES among your chicks, and adult fowls as well. This 32-page book is the latest addition to the popular series of hand books on poultry keeping, published by Cyphers Incubator Company, and it gives in plain, simple words, all the information needed to enable you to prevent disease—to keep your fowls in the best of health. If sickness breaks out you will find it easy, with this book in hand, to learn the nature of the disease and the proper remedy to apply in order to prevent losses and avoid the spread of infection. ***The Cyphers Company Poultry Doctor Book*** tells which diseases are infectious and liable to cause epidemics, and which are due simply to errors in feeding or care. A first-edition copy of this valuable book will be sent FREE, postpaid, to every reader of this journal who applies for it promptly. ***Don't wait for your fowls to get sick*** before sending for this book. Get your copy now and prevent sickness, and be ready for disease if it should break out.



PARTIAL LIST OF CHAPTERS IN DOCTOR BOOK

Causes of Disease
How to Prevent Disease
How to Recognize Diseases
Diseases of the Crop
Diseases of Intestines
Cholera
Liver Diseases
Catarrh and Roup
Diseases of Egg Organs
Chicken Pox and Sorehead
Tuberculosis and Limberneck
How to Treat Frozen Combs and Wattles
Diseases of Chicks
White Diarrhea
Diseases of Turkeys and Ducks
Lice and Mites



Large Dry Feed Size. Holds ½ bushel. Price, $1.00. Meat Scrap Hopper is half this size, and holds one peck. Price, 80 cents.

SAVE TIME BY USING BOSTON DRY FOOD HOPPERS

Many poultrymen are breaking away from the old, time-consuming, food-wasting, disease-producing method of wet-mash feeding and using dry mash instead, keeping it before their fowls, young and old, in Boston Dry Food Hoppers. These hoppers are ***waste-proof, rat-proof, sanitary, indestructible and non-clogging.*** They have all the good points you have been looking for in hoppers and none of the defects you have found in other makes. Boston Hoppers are made in different sizes, for both adult fowls and young chicks, and you cannot afford to keep fowls without them. Send for our ***Special Dry-Feeding Circular*** and learn all about the dry feeding method and the merits of these great food hoppers.

LABORATORY PRODUCTS AND SUPPLIES

OUR ENTIRE LINE of laboratory products and supplies is designed to prevent loss in the poultry yard and to save time and money, and thousands of practical poultrymen have found them unequalled in quality. They are moderate in cost, convenient to use and thoroughly practical.



Cyphers Lice Paint is a liquid lice destroyer unexcelled for killing all insect parasites of poultry. When used about the roosts, walls and droppings boards in the poultry house, mites will never give serious trouble.

Cyphers Lice Powder For killing lice on fowls there is nothing better than Cyphers Lice Powder. Dust it well into the feathers of hens and chicks and the body lice ***will be killed***—not driven elsewhere for the time being. Cyphers Lice Powder is easy to apply, sure in effect and can be used in nests of sitting hens without injuring young chicks.



Napcreol Disinfectant For disinfecting poultry houses, brooders, incubators and wherever a good disinfectant is required. Napcreol is a highly concentrated preparation. It is ready for immediate use by simply mixing with the required amount of water, and one gallon makes 50 gallons of germ-killing, disease-preventing disinfectant.

Save-Al Guaranteed Egg Preservative Now is the time to put eggs down for use in winter when eggs are always expensive and good ones hard to get at any price. Save-Al is guaranteed to keep strictly fresh eggs in usable condition for 6 to 10 months. One gallon makes sufficient solution to keep 65 dozen eggs, at a cost of a little over one cent a dozen, and less when several gallons are purchased at one time.



Metalware Supplies—Do Not Overlook Them Our ***water fountains, wall fountains, grit*** and ***shell boxes, poultry punches, legbands, spray pumps,*** etc., are of superior quality. These supplies will save your time and your money and are indispensable on all up-to-date poultry plants. If you have not received a copy of our 1914 244-page complete Catalogue and Poultryman's Guide send for it at once and learn about Cyphers Company's supplies—***learn just how well we are prepared to serve you.***

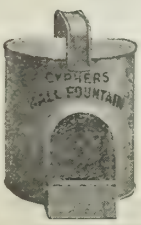
Sold by Agents If you live at points that are FAR DISTANT from our six places of business, please drop us a postal card or write us a letter and ask for the NAME AND ADDRESS of the nearest Cyphers Company selling agent who carries our Poultry Foods and Supplies in stock and therefore is prepared to fill your orders promptly. There are many such selling agents in the United States and Canada and they will be glad to SUPPLY YOUR WANTS—to give your valued orders PROMPT AND CAREFUL ATTENTION.

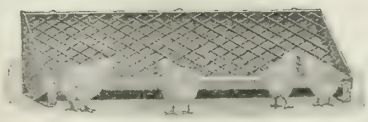


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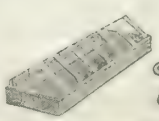
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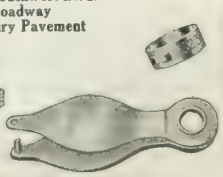
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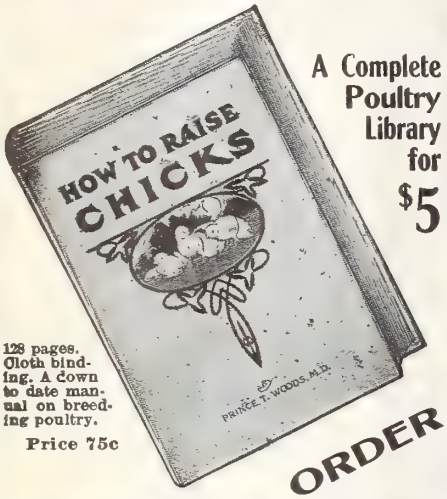






Poultry Books at a Cut Price

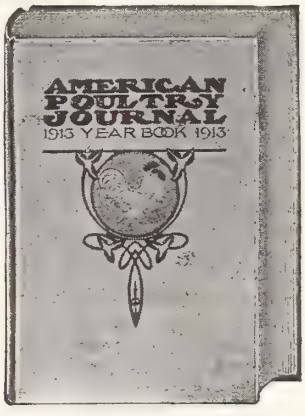
A complete list of poultry books that everybody interested in poultry should have. This list is made up to supply the wants of all poultrymen, and covers about every phase of the industry; in fact, it makes almost a complete poultry library, and by taking them all at a cut price you will be well equipped to make a success of this business. The books tell you how to line breed, feed for egg production, reduce your feed bill, mate to produce exhibition birds, prevent and cure diseases, mix a balanced ration, build poultry houses, poultry appliances, etc. Following illustrations show books.



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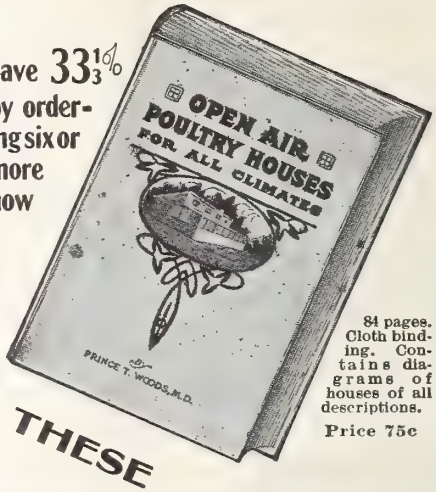
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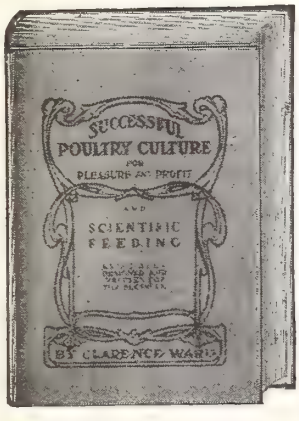
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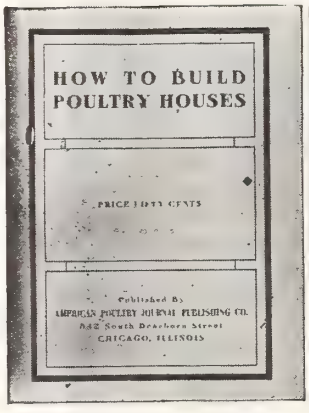
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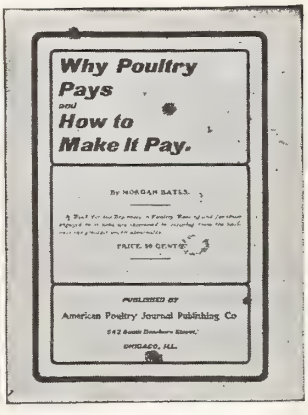


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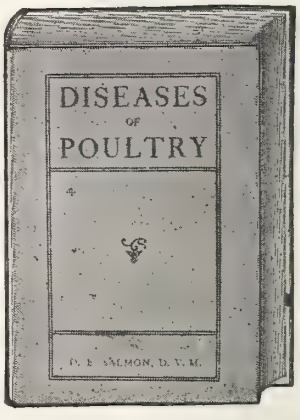
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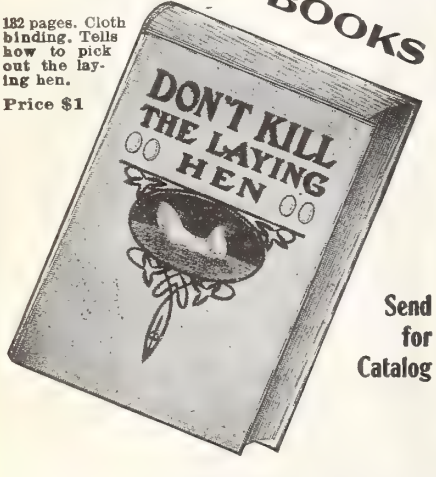


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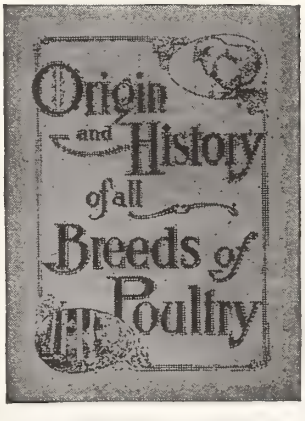
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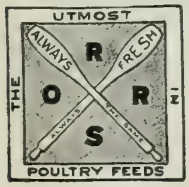
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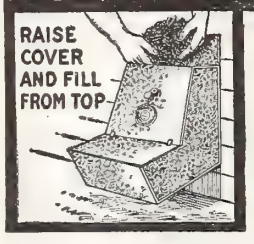
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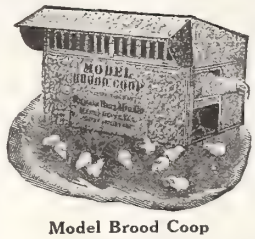


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A sure two-base hit on page 907

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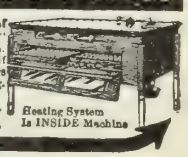


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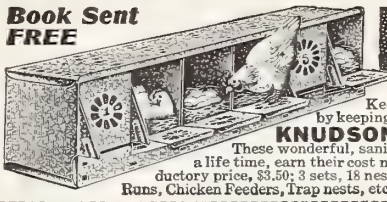


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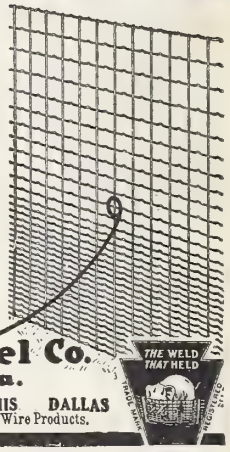
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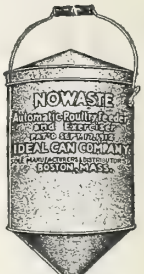
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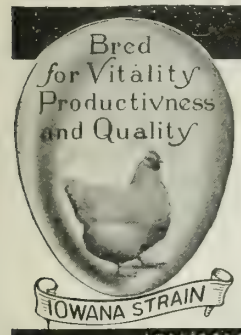
It's a good one boys, on page 907

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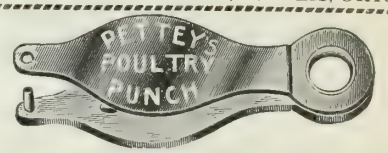
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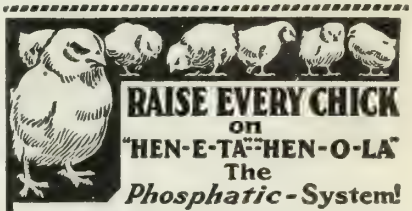
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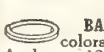
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Competing with 200 Classy Birds of Superior Merit and Quality my birds won **Champion Male Special Cup.** Cock, **1-5-6,** Hen, **1-2-4,** Cockerel, **1-3-6.** (Bought first.) Pullet, **1-2,** Pen, **1-3-5. Best Display** and practically **all Specials, Club and Association.** They have won at

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First Single Comb White Leghorn Pullet

THE SENSATION OF HER CLASS OF 42 PULLETS

EGGS EGGS EGGS

From Our Champion Pens Will Be Reduced 25 Per Cent on the Dollar Below Mating List Price During May and June

Remember our Champion Pullet at the Garden was hatched on June the 18th.

ALL OUR BREEDING STOCK FOR SALE AFTER JUNE 15th

In lots to suit—either one or one hundred. Send for Mating List

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Partridge Plymouth Rocks

are perfect both in type and color. As egg producers they can not be excelled.

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If you want "birds of quality," that kind that have the beautiful triple lacing, besides being egg producers, send for a setting of Perkins Strain eggs.

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At a great cost, we have issued a special De Luxe catalogue, beautifully illustrated, with full information about Partridge Rocks. The price is 25c and it is well worth the money.

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APPLIED ONLY TWICE A YEAR

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Enough for 200 birds, postpaid 50c. Money refunded if not satisfactory

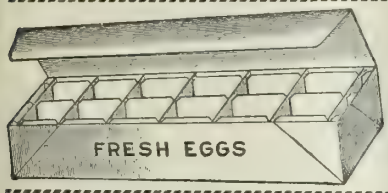
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Barred Plymouth Rocks

In this great class of 213 quality birds I win First Prize Cockerel and Color Male Special. First Prize Pullet and Color Female Special, and Second Prize Exhibition Pen on four entries made. For color and clean cut barring these birds were the class of the exhibit.

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Have mated my winners and others of this same line from which I win. Sell eggs at $5.00 per setting of 13, $15.00 for 50. Satisfaction assured.

J. D. HARCOMBE -:- Grand View-on-Hudson, N. Y.



1st Pullet, Balto., 1914

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DARK CORNISH

AMERICA'S CHAMPIONS

Leading winners at Club Show, 1913, and at America's greatest shows, including Philadelphia, Baltimore, Allentown, Hagerstown, Richmond and Washington. Champion show birds and breeders for sale. If you want quality, write—if not, keep mum. Eggs from 10 grand pens.

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To decide whether you will continue to feed a lot of hens that will not lay; to hatch from hens that will not produce layers; to mate by guess and reduce the value of the flock each year; to make only the profit, if any, you are making now; or to be able to accurately determine just about what each hen is capable of laying in a year and thus reduce feed bills and still get the same number of eggs.

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If you knew that you could do all of this for the sum of $2.00. Walter Hogan's book,

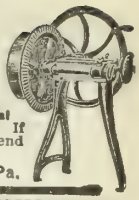
"THE CALL OF THE HEN"

tells you just how to do this and more. It has been proven by the trap nest.

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$5 AND UP NO MONEY IN ADVANCE

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Catarrh, Canker and other contagious diseases of poultry can be **controlled** and **cured.**

Protects Your Flock **B-K** *Destroys Disease Germs*

the powerful germicide—not a poison—clean, colorless. Ten times as powerful as carbolic acid but safe to use. Knocks the roup germ. Send 10c for large sample and free book "How to Cure Poultry Diseases."

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Mark your fowls with adjustable, *colored* Leader Leg Bands. Celluloid *colored* number strip. Rigid, strong aluminum band with turned over edge. Neat, secure. White, pink, red, blue, yellow, green, slate and brown. Prices: 12 bands, 35c; 25, 60c; 50, $1.10; 100, $2.00; 250, $4.50; 500, $8.50.

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300 LICE Or More on One Hen

is by no means uncommon. No one would expect to fatten a steer with that number of "ticks" sucking his blood, but many expect the old hen to go ahead shelling out eggs while lice and mites are sapping her very life. We have counted over 2000 dead lice under a row of ten hens, on a roost board painted the night before with Lee's Lice Killer. This great killer does double duty—contact kills mites, lice, bedbugs, etc. about the roosts; the vapor kills lice on the chickens sitting over it. Put up only in airtight cans. For sale at over 10,000 towns.



Three sizes—35 cts., 60 cts., $1 00. Poultry Book free.

GEO. H. LEE CO. Omaha, Nebr.

YOUNG CHICKS



die of bowel trouble more than any other cause. It is estimated that of every 1000 chicks hatched each year less than 400 reach marketable size. Germozone users raise, usually, 90% of chicks hatched. Germozone keeps the bowels regular. It prevents diarrhoea from overdrinking of water; from eating musty or spoiled food, etc. It should be given in drinking water twice a week from the day they are hatched. It stops the loss. Every chick that dies cuts badly into the profit from the rest Every chick saved will pay the cost of a bottle of Germozone.

One size only, 50 cents, at dealer's or postpaid.

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is not so much in its great efficiency as a remedy for roup, canker, chicken pox and other diseases of poultry, but it is the greatest bowel regulator in the world for either poultry or stock (including pet stock), counteracting, especially, bowel troubles due to musty, spoiled or improper food. With man, fowls or animals, regular bowels means health. Continued irregularity means some sickness, difficult to cure if not fatal. Thousands give Germozone regularly twice a week to chickens, young and old, at the same time having it ever handy as a ready remedy for other diseases. Sold by dealers or postpaid. One size only, 50 cents.

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If you wish to succeed with poultry, start right by purchasing eggs from the best strain of the best and most popular of poultry, the S. C. W. Orpington.

Eggs At Reduced Prices

Our pens this season are the best ever mated in the world and contain over 200 trapnested prize winning females, each pen headed by a prize winning male at AMERICA'S BEST SHOWS. After June 1st eggs from these grand matings will be $5 per setting of 15, with the exception of our Special Pen, headed by Quality King, our 1st Madison Square cock, 1913, and our Pen de Luxe, headed by our 1st Madison Square cockerel, 1913, from which two pens eggs will be $1 each, and not over 5 eggs to one customer from each of these pens. Eggs from our $5 matings will be $3 per setting, or two settings for $5, and every customer purchasing $5 worth of eggs will receive our booklet "From the Shell to the Showroom" free.

Why Experiment?

When you can get the very best at such reasonable prices. NEVER BEFORE has such value been offered in eggs of such quality. We do not expect to show this season, except at Madison Square Garden, thus giving OUR CUSTOMERS A CHANCE TO WIN IN ALL of America's best shows.

After June First we will have for sale a limited number of this year's breeders at attractive prices. Mention the American Poultry Journal when writing.

ALDRICH POULTRY FARM, 5076 N. High St., Columbus, O.

The Golden Road To Success — Aldrich Chick Grower

A Specific for Bowel Trouble or White Diarrhoea

This preparation has been in use for over five years by the discoverer, *Mr. Leonard Rawnsley* and has met with marked success in the hands of *America's most* noted poultrymen.

Read following testimonial and send for circulars containing additional testimonials of prominent poultrymen.

Aldrich Poultry Remedy Co., Boston, Mass., April 7, 1914.
Gentlemen:—
Enclosed find $1.00 for one can of your Chick Grower, the greatest bowel remedy on the market that I have used and I have been an "easy mark" for all kinds. Last season I had two jars of your remedy and so far this season three cans and have not lost a chick since using it with bowel trouble. I have fifty chicks seven weeks old, they weigh 1½ lbs. each, following instructions in your little book "Shell to The Show Room."
Yours truly, E. E. Wood.

The price of *Aldrich Chick Grower* is $1.00 per quart jar, enough to raise 100 chicks beyond the danger point. Add *zone postage 3-lbs. Do not lose your chicks* when an *Absolute Remedy* can be secured at a nominal cost.

ALDRICH POULTRY REMEDY CO.
5075 North High Street **COLUMBUS, OHIO**

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Cook Strain, Win at Pittsburgh Fanciers' Show, February, 1914—Championship special for best display, cock 1st, pullet 1st, hen 3rd and 4th, cockerel 1st and 2nd, pen 1st, on eight entries. Eggs and Stock for sale. Write us your wants.

Green Ridge Poultry Farms, Inc. -:- **Green Ridge, Maryland**

CAMPINES
GOLDEN and SILVER
America's Champion Blue Ribbon Strain

WIN MORE FIRST AND SPECIAL PRIZES AT THE THREE LARGEST SHOWS IN AMERICA—MADISON SQUARE GARDEN, NEW YORK, BOSTON AND BALTIMORE THAN ALL COMPETITORS COMBINED. **WE CHALLENGE THE WORLD.**

Eggs from Special Matings, $2 each; from other grand matings, $1 each, and from other matings 50c each. **Eggs half price after June 15th.** Book your orders now. Write for catalog descriptive of matings. EXCELLENT BREEDING STOCK FOR SALE.

E. F. DEAN **Box B** **Williamsport, Pa.**

Right now read about the big book on page 907

AMERICAN POULTRY JOURNAL

Entered as Second-Class Matter August 9, 1886, at the Postoffice at Chicago, Ill., under Act of March 3, 1879.

Volume 45 | Chicago, Ill., June, 1914 | No. 6

"How to Make Money With Poultry"

One of the Truthful(?) Poultry Tales of the "Good Old Days"

[NOTE—The following article is from "Ballou's Pictorial Drawing-Room Companion," bearing the date of May 14, 1859, and may prove of interest to our readers in that it shows even at this early date the rather "large" claims made for systems of poultry keeping. This article was copied from the files by Dwight H. Walker, LeRoy, N. Y.—Editor A. P. J.]



I SEE so many discussions about the profits of poultry in your paper that it induces me to suggest the following, which if faithfully put in practice, will give the desired result, viz., large profits. The object is to have hens that will lay an egg every day of the year.

Thus if you begin with 300 hens they must lay 300 eggs, or 25 dozens a day, or 9,125 dozens a year, which, at 20 cents per dozen, will be $1,825 a year; the expenses on this will be about $500.

If a man has five or six acres of land he can begin with 1,000 hens and about 80 or 100 roosters. He will have to enclose his land with board fences five or six feet high; make the hen houses along that fence, seven or eight feet wide, eight or nine feet in front, with doors and windows every fifteen or twenty feet—one or two roosting poles along the whole length back, so as to give every bird one square foot to roost—the nests can be put under the windows or back part of the house; there will then be sufficient space in the middle for a storm and feeding room to put them in stormy weather; the house in such weather being well supplied with clear water and ashes, lime and sand, for the hens to roll and dust themselves in.

The interior of the six acres will have to be divided into several divisions, which can be done with lath fences, so as to keep the poultry in as many distinct groups as possible. They will naturally roost in the house, the groups by themselves also, although it may be partitioned off for that purpose, and also well supplied with clean water every day, lime, ashes and sand.

The way to make them lay every day is to feed them on nothing but cut raw meat, which may be of any kind—horse or dog or any other meat, worms, caterpillars or offal meat. They will then lay every day certain.

No hens should be allowed to set. Any eggs that want to be hatched, should be hatched by artificial means (an eccaleobion) so as not to disturb the hens from laying. In the choice of poultry, discard all except good barn-yard fowl, Dominiques, Dorkings and Spanish will do well, and the common dung-hill fowl. These will prove uninterrupted good layers.

As above, a man with a thousand hens will get 30,416 dozens of eggs a year, worth 20 cents a dozen, $6,083.31, but in winter eggs will sometimes sell for one-third to one-half more, and often double the price in summer. Twenty to twenty-five acres will be sufficient to keep 100,000 hens, but then room should be had elsewhere to prepare the meat, the expense of which would be high, but the income would be large—almost fabulous, however true and certain.

Properly to estimate the expenses of feeding will depend on how the meat can be procured. Near a large city it will be less than elsewhere, owing to the better supply of dead horses, so that in a measure the greater number of hens the less the meat will cost; for there are any number of dead horses and dogs that can be got and even particularly a profit can be made on dead horses, so that the meat would cost almost, and in many cases, nothing; for the hides, the blood, the heads, hoofs and bones can be disposed of; the glue and prussian blue manufacturers will buy the heads, hoofs and joints; the buttonmakers will buy the large bones; cutlers will buy the small and flat bones for handles, or the rest of the bones can be sold to bone-dust makers for manure, etc., or the gluten can be boiled or made into gelatine.

Any quantity of meat can be prepared by chopping it fine, packing it into barrels with salt and pepper, and kept in a temperature a little above freezing, all the year around.

The hens eat the meat greedily, and thrive uncommonly on it. Anyone can thus graduate the income he is desirous to realize from any given number of hens.

No hen should be kept over four years. All at that age should be fed entirely on grain for three weeks, and then sold off.

I have set this ball rolling in motion, so keep it rolling.

But everything is to be done, first and at all times with attention, due care and perseverance. The profits with hens commence with the first day if it is properly put in execution and readiness.

NOTE—Mr. Walker writes us that Ballou's Magazine clipped this 365 egg hen tale from an article in an agricultural paper written by F. A. Nauts of Philadelphia. It was seriously written and intended, though one might credit the author with a humorous composition. Evidently in the "good old days" the public was just as ready to believe extraordinary yarns about poultry and get-rich-quick systems as it is today. We commend this tale to some of our experimenters who are claiming to have revolutionized poultrydom by producing 300 eggers from mongrel-bred stock. Mr. Nauts claims whole flocks of 365 eggers way back in 1859 and he evidently put his faith in the same sort of breeding material. From time to time various versions of this Nauts' meat feeding system for producing wonderful egg yields and fabulous profits have gone the rounds of the press in one guise or another. The author set his ball rolling well and it has kept on rolling, though no one has gathered any practical results. If Mr. Nauts was in the field today he would probably be drawing a good salary writing poultry bulletins about 300-eggs-a-year mongrels. Note the sublime confidence of the statement that: "They will lay every day certain," and, mentioning "dung-hills," "These will prove uninterrupted good layers." Aside from the literary style it reads a good bit like some of our loudly proclaimed twentieth century poultry systems. Any pipe-dreamer can figure poultry profits on paper, but it takes a good man to really earn the living for himself and family and a little something more in the bank. Compare this yarn with some of our modern poultry fiction.—Editor A. P. J.

Missouri State Poultry Expt. Station

Report of a Late April Visit to This Much Talked About Home of the National Laying Contests

By Prince T. Woods, M. D.



MISSOURI has every reason to be proud of her State Poultry Experiment Station at Mountain Grove. It is an experiment station that means something and that is doing good work for both State and National poultry interests. It is an independent station and not directly associated with the State Agricultural College, and that we believe to be a good thing for several important reasons which we need not state here.

The citizens of Mountain Grove gave the land for the experiment station, the State supplied the funds, Director T. E. Quisenberry planned and developed the poultry plant—and it is a real, practical working poultry plant, as well as a display plant and experiment station. Where many visitors come from all over the world to view the poultry and contest plant, it is necessary to have things conveniently arranged for visitors, to keep things spick and span and always in exhibition condition. On a commercial poultry plant, where labor saving and profit are matters of prime importance and visitors are looked upon as a necessary evil, there are many things that may be left undone that on show plant, intended to provide an object lesson for the visitor, must be well done. Missouri station is a show plant in a "show me" state and it is always on exhibition.

Mountain Grove is a small city about 1,500 feet above sea level and in the midst of the most beautiful section of the Ozark Mountains of Missouri. In New England it would be called a town, but nothing short of a city would satisfy the enterprising and red-blooded Missourians. Mountain Grove not only has the State Poultry Experiment Station, which is now known around the world, but it also has the State Fruit Experiment Station, which has won world-wide renown through the wonderful products of its well-kept orchards. Missouri can well afford to be proud of these stations and to give them ample financial support.

The city of Mountain Grove is on the St. Louis & San Francisco Railroad, about 300 miles southwest of St. Louis. One travels a few miles further than that since it is necessary to go via Springfield, Mo. We were called to Mountain Grove by Director Quisenberry for consultation work and left home early on April 20. Massachusetts, when we left, was cold and bleak and in the midst of a drizzly easterly storm. West of Pittsburgh we ran into fair weather, and from Columbus on we rapidly picked up all the beauties of springtime. The trip on the train from Springfield to Mountain Grove, on the morning of the 22d, was one to be long remembered, we wound in and out amid the Ozarks, gradually climbing grade until Cedar Gap, altitude 1,675 feet, was reached and a gentle down grade began once more. On every hand were beautiful mountain views, the spring sunshine was over all, on every side were hills, valleys, mountain streams and well-kept orchards in full glory of a wealth of sweet-scented blossoms, and in distance were mists of blue and gray.

Missouri has three great producing rural industries, fruit, poultry and dairying, and there is room for great development of all three in the beautiful Ozark country. Writing this on May 5, again in Eastern Massachusetts within four miles of the sea, with another wet, cold, easterly storm and the trees still bare, the apple buds only reluctantly beginning to show a bit of green, it seems difficult to believe that only about fifty hours from here by train we left behind the beginning of the good old summer time and that our New England's backward spring has yet to make a fair start. In the Ozarks, when we left, the woods were full of wild flowers, and either side of the railroad right-of-way was thickly carpeted with blue and white violets, while every fruit orchard was a blaze of blooms. We had a very pleasant and most interesting visit in the Ozark country and wish we could have staid long enough to find spring on our return home.

We are told that when the citizens of Mountain Grove donated thirty acres for the Poultry Experiment Station, about three years ago, the land was then covered with brush and a sadly neglected orchard. Today the plant has a well-kept orchard, green lawns, well-fenced poultry parks, well-kept attractive poultry buildings of various types, neat drives and cement walks. Director Quisenberry planned it all and with the aid of an efficient corps of helpers has built a modern exhibition poultry plant on the site of a neglected farm. Mrs. Quisenberry has been an important factor in the development and operation of the plant and is still one of its most earnest and helpful workers. Both Mr. and Mrs. Quisenberry are conscientious hard workers, they do not spare themselves nor do they consider time when there is work for the best interests of the station to be done. We spent the better part of three days as the guests of Mr. and Mrs. Quisenberry in their attractive home at the station plant, and we came to know them both quite well. We wish there were more such earnest work



The left-hand view shows a "bird's-eye" of part of the pens used for growing chicks at the Missouri State Poultry Experiment Station at Mountain Grove and was taken from window of the pathological laboratory. The large building in the foreground in the right-hand picture is the Administration Building. Here are the offices, the assembly hall, the pathological laboratory, the apartment for the plant superintendent, the incubator cellar and egg room, equipment exhibits and museum. The long building in the background is a large double brooder house on the Candee system. The tall building across the driveway at the right of the brooder house is the grain elevator, where feedstuffs are stored and milled for use on the plant.

ers, capable of such good team work, striving to better conditions in poultry research work. Mr. Quisenberry is fortunate also in his poultry farm superintendent and his assistants in the pathological and bacteriological laboratory. We found abundant enthusiasm, untiring energy and an eagerness for work that is well worth encouraging. Sometime we hope to



Superintendent Noland and a helper sweetening the poultry yards at Missouri State Poultry Experiment Station, Mountain Grove, Mo. Lime is being broadcasted and plowed under. Every precaution is taken to keep the yards in sanitary condition.

deal in detail with the chief object of our visit to the Missouri station, but at the present time we do not feel at liberty to discuss publicly matters which were brought to our attention in a professional capacity.

The experiment station is only a short walk from the railroad station and center of the city. Close by some of the finest residences in town are being built. Poultry seems to be a very live interest in Mountain Grove and folks there appear to have no objection to viewing a well-kept poultry plant from their front windows. Entering the station grounds the visitor comes first upon the residence of Director Quisenberry. To the right of this is the large Administration Building. Herein are the offices of the director, vice-director and their assistants, the egg room, a museum of poultry equipment and reception hall on the first floor. Upstairs is the apartment for the farm superintendent, the laboratories for pathological and bacteriological work, and an assembly hall. In the basement of this building is the incubator cellar equipped with a Candee mammoth incubator, and also the water supply plant.

In the rear of this building extends the poultry plant of the station and the laying contest plant with well arranged drives and walks. It isn't all complete yet, but it is in good show condition. Immediately in the rear of the Administration Building is an orchard given to brood hens and chicks. Beyond this is the large brooder house equipped with a Candee system. Across the drive from this house is the elevator and mill. The elevator has modern equipment for storing and handling grain, grinding mills, mixing machines, green food cutters, etc., all operated by an electric motor from city power, which is obtained at low cost. Extending on both sides of two drives are the yards and houses devoted to the station poultry, to growing chicks and to the laying contest pens. Each yard is plainly labeled with name of variety and of the owner. Every pen of adult fowls is mated with a good male. It is one continuous show of good thoroughbred poultry of the leading standard varieties.

While the contest flocks are all housed and yarded alike, the experimental flocks and growing chicks are housed in houses of various types. Each house bears a sign giving dimensions, cost, capacity, and the name of the originator. Mr. Quisenberry told us that the two houses of the Woods type and the Missouri Station Farmer's Fool-proof Poultry House, all with cement floors, were the only houses where it had been possible to keep the litter material dry enough to burn when removed at cleaning time.

The National Laying Contest is one of the very few contests where the competition stock is bred. All pens here are mated for best standard results. All laying hens on the plant are trap-nested. Records are kept of all stock. The eggs in-



A few of the pens in use for half-grown chicks at the Missouri State Poultry Experiment Station. This photo was taken in April, 1914, and shows a few of the many flocks of well-grown chickens, all pedigreed, hatched from eggs from the Laying Contest and Station breeding pens. In this row of yards are houses of many types.

cubated on the plant are hatched in pedigree trays and the baby chicks are banded. Records are being kept of several generations of good layers in the leading varieties. Breeders having pens in the laying contest have the opportunity to sell eggs from their contest pens, paying a nominal price to the station for the eggs. The station fills the orders, packs and ships



These views of the Laying Contest plant at Missouri State Poultry Experiment Station were taken specially for American Poultry Journal, during Dr. Woods' visit the last week in April. The wealth of beautiful apple blossoms in the orchard is well shown. The pen at the left is one of the Barred Rock contest pens and the right-hand view includes several of the Leghorn pens.

the eggs. In addition to this the station supplies from its own standard-bred stock, eggs for hatching to Missouri farmers at moderate prices. Also a very considerable number of market eggs are sold. Hatching eggs are packed in baskets lined with excelsior. The basket is first lined with newspaper, then with a layer of excelsior. Each egg is wrapped in paper and then with excelsior and packed snugly in the basket. When the full quota is in the basket, another layer of excelsior is placed on top and over this a muslin cover which is tucked tightly into the binding rim of the basket. Then the label is pasted on. The handles of the basket are raised and tied together so that the package is easily handled and nothing can be put on top of it. Eggs so packed are being shipped long distances by parcel post. The Missouri station is making a return of all funds received, from poultry and egg sales, to the State Treasury and in March paid in some $1,200.

Illustration shows one side of interior of the egg room, where all eggs are stored by pen numbers until required for use or to fill orders. This room is cleared of all eggs twice a week. Shipping baskets and cartons are shown on top of the egg cabinet. Another illustration shows the farm superintendent and a helper at work liming and plowing yards.

Breeding pens were showing fairly good fertility. Hatches were running from 80 to 85 per cent of fertile eggs and brooder house records showed from 15 to 20 per cent mortality in chicks between day-old and weaning age. Considering that the work is being done largely with competition flocks of all



One side of the egg room in Administration Building at Missouri State Poultry Experiment Station. Here are stored the pedigree eggs from the contest pens, each compartment being cleared of eggs at least twice a week. The baskets and cartons shown on top of the egg cabinet are used in shipping the eggs.

sorts and conditions and from various sections of the country and foreign lands, this can be considered a very good showing. It is probable that the brooder house is being charged with too heavy a mortality as it gets all chicks hatched regardless of their livability. There are about 1,000 adult birds in the contest pens and an equal number in the experimental pens. There were probably 2,000 or more growing chicks, some half grown, in the weaning pens, the brooder house was more than half full, and a hatch was coming off in the mammoth incubator at the time of our visit. All of the chicks are supposed to be fully pedigreed and recorded. Most of them were wearing leg bands, but a few husky enterprising birds had either shed or eaten their bands and so disposed of their pedigree for all time. Some difficulty had been experienced in getting suitable leg bands in blank, and the delay in getting bands was responsible for some of the husky youngsters outgrowing their identification marks. The station has its own system of pedigreeing and marks all bands accordingly, so that it has to have all bands in blanks. The system is a good one and facilitates identification of the chick; it will doubtless be fully explained when the next bulletins are issued. One thing we liked about the Missouri station is the fact that they are accumulating a lot of data and records that have every indication of value and they prefer to clinch these as facts before giving them publicity. When we get the Missouri bulletins they should be interesting and worth while.

Before we visited Missouri station we had heard many conflicting reports and we did not know just what we might find. We went prepared to be disappointed and were just a bit skeptical, for we have visited quite a few State institutions before now. We were agreeably surprised to find so good and



View of orchard with houses for brood hens with chicks at Missouri State Poultry Experiment Station, Mountain Grove, Mo. The Administration Building is shown in the background.

workable a poultry plant. The arrangement and equipment of the plant is good and no better poultry workers will be found anywhere. Director T. E. Quisenberry tells us that he has been interested in and a student of poultry since childhood and we believe him. He is showing good judgment in planning his work, and in his selection of assistants. He may be a promoter and publicity man as some have said, but no one who knows him in his own home and in every-day work will dispute the statement that he is also a real and practical poultryman with a strong, healthful interest in standard-bred poultry, and a man who is not afraid to put all of himself into hard work.

The Missouri State Poultry Experiment Station runs demonstration trains to teach poultry husbandry and conducts poultry institutes, which include lectures and demonstrations. This of itself is a big undertaking in a big State like Missouri, where considerable distances must be covered between demonstrations.



A Woods Open-Front Poultry House of large size used at Missouri State Poultry Experiment Station, Mountain Grove, Mo. This house has a thick cement floor and is considered one of the most satisfactory poultry buildings on the plant. The litter in this house stays dry and there is never any trouble from damp litter, such as is experienced in some of the houses of other types.

At the station there is much research and experimental work under way. Most of it appears to be conducted in a practical manner that can be expected to yield practical and helpful results. We are glad that we visited Mountain Grove this spring, the trip gave us a lot to think about and it is a pleasure to know that down in the "Show Me" country they have a State Poultry Station that is a credit to the whole country.

The Menace of Oriental Egg Importations

Poultrymen All Over the Country Should Institute a Publicity Campaign In Favor of the American Egg

By C. O. Engel, Seattle, Washington



PTIMISM makes the wheels of trade go round, it makes the rooster walk on his toes, it makes the hens cackle, it makes the poultryman self-confident! Prior to the passage of the Underwood tariff bill, admitting eggs duty free to the United States, poultry publications and representative poultrymen throughout this country, especially those of the Pacific Coast, were extremely optimistic regarding the possible importations of the foreign product in sufficient quantities to affect our home markets.

Today, barely six months since the adoption of the new law, the yellow man's egg is already demoralizing local trade conditions and threatening to undermine our great American billion dollar industry. Chinese eggs are now fairly flooding all seaport cities of this coast from British Columbia to Mexico. They are being dumped on the Portland, Tacoma and Seattle markets in one to ten thousand case lots, while San Francisco is literally being swamped by shiploads. Even via Canadian ports a stream of Oriental eggs is pouring into this country. On April 6 the steamer Empress of Russia discharged at Vancouver, B. C., a single shipment weighing one thousand tons,



HOUDAN COCK HEADING FIRST PEN BOSTON JAN. 1914
BRED AND OWNED BY
JAS. ABERNETHY W. PEMBROKE, MAINE

containing 6,792,360 Chinese eggs. Though nearly this entire consignment was destined to points in the United States, only 1,500 cases went on sale in Seattle, the bulk being for distribution in eastern centers, where they will probably go into storage for winter use.

What is the immediate effect of this Oriental egg competition here on the Pacific Coast? An excerpt from the Seattle Post-Intelligencer, the leading conservative daily of the Northwest, under the caption, "Surplus of Chinese Eggs Upsets Market," reflects the situation of April 16 as follows:

"Eggs dropped with an unmistakable reverberation today to 22 cents. Despite the claims earlier in the season, the storage of high priced eggs has been limited, and from now on, the street will go light on this sort of collateral. The Chinese egg trade forecasted to run heavily is more of a menace than at first supposed, and it requires considerable courage for a



First Prize Columbian Wyandotte Hen at Tampa, Fla., the past season. Owned by J. H. Wendler, Lakeland, Fla.

Seattle jobber to put away stock for winter, when he realizes that the imported article can be handled at a profit of 5 and 10 cents under what he can do business for next winter. Millions of Chinese eggs are now on their way to eastern markets to be stored for the winter, and they will come out at the time of highest values. The effect can be nothing but demoralizing, and the jobber with the greatest number of high-priced eggs on his hands will be hardest hit. It is not believed there will be any storage of eastern eggs at Seattle this year."

From the same cource, under date of April 18, I quote the following: "Egg jobbers are wallowing in an uncharted ocean. There is now no attempt at equivocation, so serious has the problem become, and the situation resolves itself almost into one of self-protection against a falling market and the sweep and menace of the despised Chinese egg. Jobbers denounce the quality of the imported article with great vehemence in their price lists to shippers and to customers, but there always lurks a fear of what may befall when eggs stored at the present level are hauled out next winter as a competitor against the Oriental stock. Losses are freely predicted. Packers plunged heavily at the opening of the season, but on probing into the facts suddenly ceased operations with storage spaces unfilled."

Let us pause and allow this last sentence to sift in. Think of it! Already the eastern markets are beginning to feel the shadow of this Oriental octopus. What then are the eastern producers going to do in the face of this stupenduous problem?

What are the Pacific Coast producers going to do with their products during the bountiful "money making" months of March, April and May, if the storage people can no longer afford to handle American eggs? And the middle western producer with his immense output of eggs usually put into storage? Pacific Coast jobbers have heretofore annually taken thousands of carloads of eggs off their hands both for market and storage purposes. With the advent of the immense importations of Chinese eggs to our shores, jobbers say there will be no eggs stored on this coast next spring, and the American egg during the flush season will be a drug on the market.

Unless the American poultryman comes out of his dream,



ruffles his feathers a bit and does something, we will have instead of a surplus of eggs, a surplus of second-hand poultry equipment and be running ads in local papers featuring the merits of defunct poultry plants without getting a nibble, let alone a raise, out of a possible purchaser. No, this is not painting things too black, but a case where an excess of pessimism makes for optimism.

Certainly this is no time for equivocation, for petty squabbles among ourselves, for such continued freak legislation against storage interests as was recently introduced in the House of Representatives by Congressman McKellar of Tennessee, which provided that eggs should not remain in cold storage for a longer period than three months. Needless to say, such amateurish attacks only tend to influence the storage people unfavorably, and in a measure restrict storage operations to the detriment of both producer and consumer. Imagine the situation—store in April and sell in July! It goes without saying that under such a ruling no eggs would be stored at all, because there would be no market for them in July.

Everybody has been taking a fling at the storage man from the would-be-high-cost-of-living-reformer to the ill-advised House-wife's League, and now comes the yellow man with his deluge of little brown eggs. The fact is, that the storage man is next in importance to the producer, in maintaining a healthful abundant food supply for a nation of people who are more and more coming to know the importance, we might almost say necessity, of good food kept under sanitary conditions.

To keep to the text, we have the Chinese eggs with us now in millions, and there are billions of them on the way. We will have to solve this problem sooner or later. The best time is NOW. Concerted action is what we want. Every hat must go into the ring! What is the remedy? Publicity for one. Would suggest that poultry journals and periodicals throughout the country unite in soliciting funds from their subscribers, and those interested, for the purpose of instituting a grand publicity campaign. A general or central committee should be appointed to handle these contributions and to personally investigate the conditions under which Oriental eggs are produced, and publish the facts broadcast throughout the country. This would be an eye-opener for the American consumer that would make him think twice, and dip deeper into his pocket rather than allow the filth-fed Oriental egg to grace (or disgrace) his table.

The Chinese egg at its best is not fit for human consumption. Slow Oriental steamers without refrigeration or storage facilities are used in shipping these eggs to the United States adding still further to their depreciation. The select American egg is a big egg, weighing upwards of 24 ounces to the dozen, while the Chinese egg is a small affair barely averaging 15 to 16 ounces to the dozen. The difference in price of 2 cents per dozen for the past two months on the Seattle market between the Chinese and the local fresh article does not make up for the deficiency in quality or quantity. Poultrymen know these things for facts, but the general public do not. Hence the necessity of a systematic nation-wide publicity campaign against the undesirable Oriental egg.

If upon thorough investigation China's importation of eggs fail to measure up to our pure food standards, action should be secured by either national or state government that will prevent further importation under the provisions of the pure



food law. State legislatures should be appealed to, to pass a law compelling each imported egg to be so stamped, which would protect both producer and consumer.

The stamping of eggs, all eggs, intended for human consumption would prove a move in the right direction. The date and any kind of mark that would distinguish them as "American laid" would help greatly in putting the egg business on a firm basis. For the present, at least, with the menace of the Chinese egg at hand, it is your one best bet and your only protection. Isn't the American hen with her billion dollar industry and her unparalleled, well-fed, healthful, necessary food product—the egg—worth fighting for?

Electric Power on the Poultry Farm

Large Commercial Egg Farm in California has All Buildings and Poultry Houses Lighted and Equipped With Electric Power

By John Y. Beaty



POULTRYMEN living easily accessible to moderate priced electric power are indeed fortunate. No cleaner, safer power can be found anywhere. As an example of the practical use of electricity on a poultry farm I will cite the experience of A. W. Foster of Hopland, Cal.

Mr. Foster has a large commercial egg farm with about six thousand layers. He raises alfalfa, kale and Burbank's spineless cactus for green stuff and uses electricity for irrigation purposes. The power house is located on the bank of a river that runs through the farm, and underground pipes carry the water to hydrants in different parts of the field.

The water is run from the hydrants without any ditches to direct its course and the fields are flooded in this way once after each cutting, which makes it necessary to grade the field. It is fairly level but by no means sufficiently level to be irrigated by the ditch method.

All of the buildings are lighted by electricity, and at 5:30 each morning the lights are turned on and both the men and the hens begin work. With this early start the hens are busy long before the average flocks are about, the eggs are laid earlier, gathered and packed early in the afternoon and shipped before the new laid bloom has had time to wear off.

Mr. Foster has installed a complete mill in his feed barn and an electric motor shells corn, grinds feed and mixes it. One man is kept busy at this job most of the day.

Gas is used for heating the incubators and brooders. Electric motors operate the gas machine and because of the importance of a constant supply of gas, two electric motors have been installed, one being used as an auxiliary. In addition to this there is a hot air engine which serves in extreme cases when something interferes with the electric current.

Near the residence is a large centrifugal pump to which is attached an electric motor which furnishes the water supply for the place. A ten thousand gallon tank serves for storage,



Bird's-eye View Mount Pleasant Farm, Mount Pocono, Pa.

and the motor keeps this full by an automatic switch that is operated by a float in the tank. Little more thought is given the water supply than is given a city supply by the average consumer. The tank is always full, and the pump always starts when the water level has been lowered a little. When the water level is again at the right height, the float shuts off the motor.



Automatic System of Record Keeping

13,000 Fowls on This Successful California Farm—Eggs Sold Mostly in Case Lots to Individuals who Distribute to Neighbors.

By John Y. Beaty



A SYSTEM of keeping the records of a large poultry farm, that is automatic in its workings, is used by the Hopland Stock Farm, of Hopland, California. This farm accommodates about 13,000 head of stock, mostly White Leghorns, though some of the other white varieties are being added, to meet a demand that is growing in California for a white bird that produces a good amount of meat.

The farm is located about ninety miles from San Francisco where the products are marketed. Eggs are sold mostly in case lots to individuals who distribute them to neighbors. In most instances a neighborhood buy a case a week.

This farm consists of over two thousand acres of valley and rolling land, with a mile and a half frontage on the Russian River. Not all of the land, however, is used for poultry.

A system of record keeping has been evolved by the management, which insures a daily knowledge of the workings of the entire farm. The record sheets include those of incubating, brooding, rearing, colony housing, and laying. These sheets with instructions for change in feeding, or other instructions, are posted weekly. The workmen follow these directions and the record sheets thus serve, and are filed, as both sheets of direction and of record.

The record sheets in use for the different departments, five in number, are each of a different shade, varying from a pale lemon shade to a deep orange, and including a light drab.

It will be noticed on the brooder record sheet that not only the incubator from which the chicks were hatched is recorded, but the breed, date hatched, number in pen, number died, number sold, and the food. Half of the sheet is used to indicate the kind of food, the quantity, price and total cost; this part being divided into sections with a space for the different kinds of foods, those most commonly used being printed on the sheet and blank spaces left for the others. These records make it possible to keep a weekly account of stock on hand and the actual expense and percentage of profit.



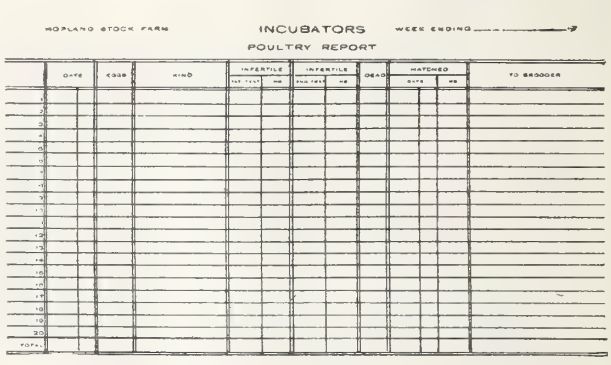
Trough for Mixing the Cement. See Article, Cement Floor for Poultry Houses.

When the chicks have reached the colony houses (which are numbered from 1 to 100), it will be seen that when they are moved from one part of the farm to another, the exact pen from which they came is recorded and the chicks from two pens are never combined unless they are of exactly the same breeding, which makes it easy to keep the breeding records of every bird on the farm.

A single sheet is used for all colony houses, a new one being provided weekly, but when the birds are moved to the rearing houses, a separate record sheet is used for each rearing house, these records being printed on different colored paper for each house, which makes it easy to separate the records when they are bound.

When the birds are moved from the colony houses to the rearing houses, the pens of similar breeding are combined according to the number that can be accommodated in each yard.

The birds that are selected for layers are assigned at the proper age to one of the laying houses, which are double deck, open-front type with cement floors. These laying houses have food and litter carriers and are cleaned daily. There are two of these long houses, one 24 x 400 feet, and the other 24 x 430 feet, each being divided into twelve pens. Each of these houses accommodates 4,000 layers. The upper floor is for the roosting and laying, the lower floor being used for a scratching shed. A long runway, the length of the pen, connects the two floors. This runs parallel to the house and is under cover so that the birds may readily go from one floor to the other even during stormy weather.


HOPLAND STOCK FARM INCUBATORS WEEK ENDING
POULTRY REPORT

	DATE	EGGS	KIND	INFERTILE		INFERTILE		DEAD	HATCHED		TO BROODER
									DATE	NO	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
TOTAL											

Each pen has a double yard, one in front and one in the rear, the yards being the width of the pens and about one hundred feet long. The fences are eight feet high, which would almost seem unnecessarily high, but when the food carriers start at one end of the house some of the most active pullets in a hurry for rations will fly this fence.

The incubator house is floored with concrete and is located near the office where it receives the careful attention it requires. Heat is furnished by a gas machine operated by an electric motor. A second motor is provided for emergency cases, while still another precaution is the provision of a hot air engine which serves when the electric current is shut off for any reason.

The brooder house is heated by steam and accommodates something like 4,000 chicks, the rearing houses being smaller, each housing 50 chicks.

Special houses and pens are provided for the breeding stock where all the hens are trap-nested, selected and reselected. Every hen must make a good record to be retained in the breeding flock.

The equipment includes a mill, grinder, corn sheller, mixer, and chopper. In the food room there is also an electric mixer and a bone cutter.

The proper filling out of these daily records as used by the Hopland Stock Farm requires some intelligence, which has made it necessary to employ intelligent labor. As the manager expresses it, "If I had not installed this system of record keeping, I probably would be tempted to employ foreigners who earn their money only when used in groups and are driven. With our present system we must employ intelligent Americans and as a result I get men who can be trusted to work by themselves. I employ at all times three men with families and furnish them with houses to live in. In addition to these, all of the single men employed are provided with good quarters in which to sleep with clean, comfortable bedding. They are also fed better than most farm hands in the state. We have no products for sale except of high quality and for good goods we expect, and receive, good prices."

HOPLAND STOCK FARM WEEK ENDING _____ 191____

LAYING HOUSE NO. 3 POULTRY REPORT

YARD	BREED	PULLETS	ROOSTERS	HENS	ROOSTERS	DIED	SOLD	EGGS	REMARKS
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
TOTAL									

YARDS

FEED	1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL	COST
WHEAT															
OATS WHOLE															
OATS, GROUND															
EGG. CORN, CRACKED															
GROUND CORN															
CORN MEAL															
BARLEY															
GROUND BARLEY															
BRAN															
MIDDLINGS															
BEEF SCRAP															
FRESH SCRAP															
GROUND BONE															
ALFALFA MEAL															
SOY BEAN MEAL															
PRATTS															
CHARCOAL															
TOTAL															

HOPLAND STOCK FARM WEEK ENDING _____ 191____

BROODER HOUSES NO. 1

YARD	BREED	HATCHED	FROM INCUBATORS	NO.	DIED	SOLD	REMARKS
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
TOTAL							

	QUANTITY	PRICE	AMOUNT
CRACKED WHEAT			
CR. EGG. T. CORN			
PIN HEAD OATS			
BROKEN RICE			
MILLET SEED			
RAPE SEED			
CHARCOAL			
OYSTER SHELL			
GRIT			
BRAN			
MIDDLINGS			
BEEF SCRAPS			
ROLLED OATS			
PROTEIN MEAL			
GRD. FLAX SEED			
PRATTS			
PRATTS			
CORN MEAL			
SHIRTS			
MILK			
TOTAL			

HOPLAND STOCK FARM WEEK ENDING _____ 191____

COLONY HOUSES

YARD	BREED	DATE HATCHED	NO.	PULLETS	ROOSTERS	DIED	SOLD
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
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41							
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43							
44							
45							
46							
47							
48							
49							
50							
FORWD							

YARD	BREED	DATE HATCHED	NO.	PULLETS	ROOSTERS	DIED	SOLD
BRT FORWD							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
70							
71							
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77							
78							
79							
80							
81							
82							
83							
84							
85							
86							
87							
88							
89							
90							
91							
92							
93							
94							
95							
96							
97							
98							
99							
100							
TOTAL							

FEED CONSUMED

	QUAN.	PRICE
CR. WHEAT		
CR. ESP. CORN		
PIN HEAD OATS		
BROKEN RICE		
MILLET SEED		
RAPE SEED		
CHARCOAL		
OYSTER SHELL		
GRIT		
BRAN		
MIDDLINGS		
BEEF SCRAPS		
ROLLED OATS		
PROTEIN MEAL		
GRD. FLAX SEED		
PRATTS		
CORN MEAL		
GRD. BONE		
MILK		
ALFALFA		
MOLASSES		
TOTAL		

REMARKS

HOPLAND STOCK FARM WEEK ENDING _____ 191____

REARING HOUSES NO. 1

YARDS	BREED	DATE HATCHED	NO.	PULLETS	ROOSTERS		DIED	SOLD
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
FORWD								

YARDS	BREED	DATE HATCHED	NO.	PULLETS	ROOSTERS		DIED	SOLD
BRT FORWD								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
TOTAL								

FEED CONSUMED

	QUANTITY	PRICE	AMOUNT	REMARKS
CR. WHEAT				
CR. EGG. T. CORN				
PIN HEAD OATS				
BROKEN RICE				
MILLET SEED				
RAPE SEED				
CHARCOAL				
OYSTER SHELL				
GRIT				
BRAN				
MIDDLINGS				
BEEF SCRAPS				
ROLLED OATS				
PROTEIN MEAL				
GRD. FLAX SEED				
PRATTS				
CORN MEAL				
MILK				
ALFALFA				
MOLASSES				
TOTAL				

Report of National Egg-Laying Contest

Plans for the Next Contest—Leghorns and S. C. Reds Leading—All Hens, Good and Bad, Average Twenty Eggs Each for April

By T. E. Quisenberry



WE FIND that 90 per cent of the proven best layers by the trapnest are the smallest birds,'' is a statement just made by one of our greatest poultrymen and one of our best students of the problems of egg production. The weights of the birds entered in the National Egg Laying Contest conducted at this place for the past three years and the egg records all indicate that this statement is absolutely true. No matter what the variety may be, if a pullet of that variety makes a good egg record, upon weighing her we find she is usually from ¼ to 3 pounds under standard weight. ''Lady Showyou,'' the White Plymouth Rock hen which laid 281 eggs in our first contest, only weighed 6 pounds, being 1½ pounds under standard weight. ''Missouri Queen,'' the R. C. White Leghorn pullet which led last year and made a record of 260 eggs, only weighed 2¾ pounds. While there is no standard weight for this variety, yet this pullet was the smallest of 36 pullets of this variety which were in the contest.

The highest record we have ever had made by a Barred Plymouth Rock, the pullet was 1⅛ pounds under weight. The Black Langshan, which made the best record, was nearly 2 pounds under; White Orpington, 2 pounds under; White Wyandotte, 1 pound under; Silver Wyandotte, ¾ pound under; Buff Wyandotte, ½ pound under; Buff Orpington, 2 pounds under; Black Orpington, 2 pounds under; Black Minorca, 1¾ pounds under; and so on through almost the entire list of varieties. On the other hand, the majority of the pure bred hens which make the poorest egg records are up to standard weight or considerably over, as a rule. Not more than 10 to 25 per cent of the best laying pullets of any variety are ever up to standard weight. During the past three years we have had birds from several hundred breeders, and our experience is that this is usually true, no matter what veriety it may be or from what breeder they may come.

With dairy cows, the best producing Jerseys and Holsteins are not of the beef type. One of the leading dairy experts of this country once said to me when showing me his high producers, ''These are our very best cows, but it sometimes disgusts me to hear visitors criticise them and make uncomplimentary remarks about these cows, and then compliment our heavier, fatter dairy cows of the beef type which give but very little milk or butterfat.''

Can it be that we have our standard weights on some varieties a trifle too high? We know of one quite prominent breeder of Barred Plymouth Rocks in this State who has often bragged about having a strain of Rocks that were from a pound to three pounds above standard weight. That same breeder is now disposing of his entire flock because they do not lay enough eggs to pay the cost of production. We think it best to have the standard for all things quite high for the per cent of those who reach their ideals is quite small. We don't advocate breeding small birds, but we do think we can overdo the thing and ruin all chance of profitable production by going to the other extreme. Simply because a hen or pullet was a pound or two underweight and was a good producer, healthy and vigorous, I would certainly not discard her from my breeding pens. It might be well to give this matter some thought.

Late Hatches.

If you haven't yet hatched all the chicks you need this season, I would still continue incubation. While we are firm believers in early chicks, yet many good show birds and many good producers are hatched in June, July, August and even in September. A great deal depends upon the season, and the condition of the breeding stock. Eggs are usually cheaper from now on, and it's worth the effort, at least is it so if you are short on young stock.

Swat the Rooster!!

One year ago we started a ''Swat the Rooster'' campaign in this State among the farmers and poultry raisers, and we established what we call ''Rooster Day.'' This work has since been taken up by Ohio, Kentucky, Tennessee and other States, and the United States Department of Agriculture is now coöperating to push the good work along. Millions of dollars worth of eggs are lost each season and made absolutely unfit for food because the eggs were fertilized and the germ grows and develops during the hot weather. An egg doesn't have to be in an incubator for incubation to take place. The temperature in the average living room or the average country store is high enough in hot summer months to render any fertile egg unfit for food long before that egg reaches the consumer.

Saturday, June 6, has been set apart as ''Rooster Day'' in Missouri. The breeding season will practically be concluded by that time. Nearly all buyers and dealers in the State have agreed to pay a higher price for males on that day, and most of them have agreed to pay 1 to 2 cents per dozen more for clean, fresh, infertile eggs than for the ordinary run of eggs. All males will be confined, killed or sold on that date. It is not necessary to kill or confine valuable males, but they can be confined



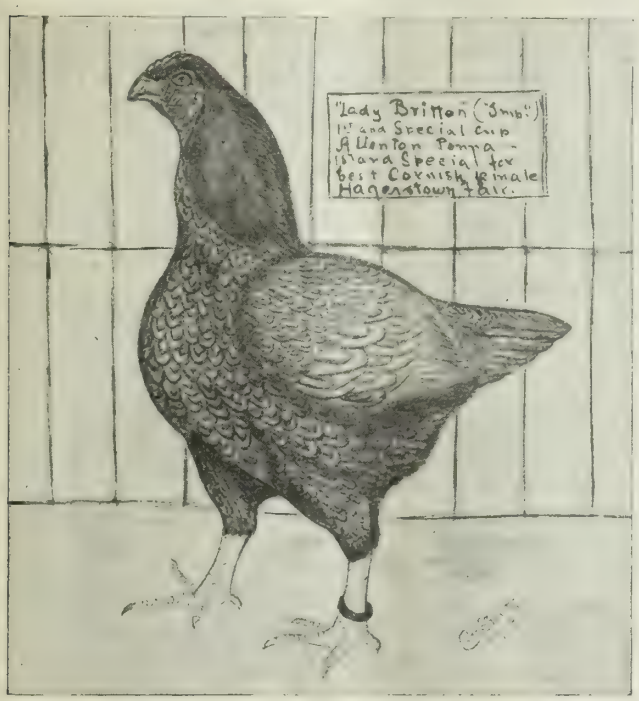
or separated from the laying hens. The increase in price of eggs in Missouri of only 1 cent per dozen will mean an annual increase of over one-half million dollars each year to Missouri farmers and poultry raisers. It ought to be a universal practice for the poultrymen and farmers of this country to market infertile eggs during the hot summer months. The saving would be tremendous. In Missouri alone, it is estimated that the annual loss is about $3,000,000. Not only would we save this loss in wasted eggs, but we would create more confidence on the part of the consumer in market eggs and thus increase consumption. ''Swat the Rooster!''

Next Contest—November 1st, 1914.

Many entries are already coming in for the next contest to begin November 1, 1914. We would like to reserve places for all who desire to enter pens. About the same rules will govern as in the past, except that each pen will consist of five pullets and one reserve. We had to turn down several hundred entries last year, so we advise all to reserve pens as soon as possible.

There can be no doubt about the benefits of a contest conducted as ours is conducted. The average production has increased twenty eggs per hen in the past three years in our contest.

The total eggs laid in April was 20,251, which makes the grand total for the five months 69,602 eggs. The average for all hens, good and bad, was twenty eggs each for the month. The English White Leghorns are still leading, but the S. C. Reds gained on them this month. White Wyandottes, White and Buff Orpingtons, Barred and White Plymouth Rocks, Anconas and Buff Leghorns are also making exceptionally good records. Other varieties are improving and we expect to see many of



"Lady Britton," unbeaten in England and champion Cornish female of America. Imported and owned by Jaquelin Farms, Warrenton, Va. First and Ward cup for best Cornish female, Allentown, 1913; first and special best Cornish female, Hagerstown, 1913; first and special American Cornish Club show, 1913, and first Baltimore, Md., 1914.

those which were slow to start, continue to lay after many others have gone broody or quit laying. The leading hen is a Black Rhinelander entered from California, but imported from Germany. Most of the Rhinelanders have never been in the best condition. The R. C. Black Minorca and the Rhinelander females resemble quite a bit, the Black Minorcas being the largest. The R. C. Black Minorcas entered this year have not really had a fair show. Two of the pens appeared to be immature when they arrived here and all three arrived in rather poor condition, and they have suffered from various causes ever since. We have long since learned that birds in poor condition, like a man in poor condition, not much can be expected of them. This fact alone is almost entirely responsible for the showing made by several pens.

The best pen record made thus far by representatives from the various countries is as follows:

	Eggs
S. C. White Leghorns made best English record	1073
S. C. Reds made best United States record	944
S. C. Reds made best Missouri record	944
White Wyandottes made best Ontario, Canada, record	750
S. C. White Leghorns made best Vancouver Island record	739
S. C. White Leghorns made best New Zealand record	723
S. C. White Leghorns made best British Columbia record	719
S. C. White Leghorns made best Australian record	644
S. C. White Leghorns made best South African record	603

Twelve Highest Pens.

Pen		Eggs
0	S. C. White Leghorns, England	1073
47	S. C. Reds, Missouri	944
18	White Wyandottes, Pennsylvania	893
38	White Orpingtons, Pennsylvania	867
79	S. C. White Leghorns, Pennsylvania	857
53	Barred Plymouth Rocks, Illinois	853
36	Buff Orpingtons, Texas	841
34	White Orpingtons, Ohio	835
5	Anconas, Missouri	829
1	Buff Leghorns, Missouri	825
51	White Plymouth Rocks, Arkansas	825
24	White Wyandottes, England	813

Twelve Highest Pens for April.

Pen		Eggs
5	S. C. White Leghorns, Pennsylvania	248
94	S. C. Reds, Ohio	243
67	S. C. White Leghorns, Missouri	240
72	S. C. White Leghorns, Iowa	238
102	S. C. White Leghorns, New Zealand	238
70	S. C. White Leghorns, Missouri	237
79	S. C. White Leghorns, Pennsylvania	234
47	S. C. Reds, Missouri	233
69	S. C. White Leghorns, Kentucky	232
73	S. C. White Leghorns, New York	232
74	S. C. White Leghorns, Pennsylvania	229
48	S. C. Black Minorcas, Missouri	226
80	S. C. White Leghorns, Missouri	226

The above shows the standing of the twelve highest pens in all three experiments to date, and also the twelve highest pen records for April. Ten pullets are used in each pen.

The Twelve Highest Individual Records.

Two pullets laid 30 eggs each in 30 days in April, White Orpington pullet, 896, from Missouri, and S. C. White Leghorn pullet, 611, from Nebraska. No one pullet has yet gotten very far in advance of the other individuals. Quite a large number have over 100 eggs each to their credit and the leading one has 122 eggs. The record of the twelve highest individuals for the five months past is as follows:



One of the many high class Buff Orpington males on Old Forge Poultry Farm, Spring Grove, Pa.

Pullet		Eggs
118	Rhinelander, California	122
5	S. C. White Leghorn, England	120
180	White Wyandotte, Pennsylvania	119
524	Buff Plymouth Rock, Missouri	116
675	S. C. White Leghorn, Missouri	116
99	S. C. White Leghorn, Pennsylvania	115
42	Buff Leghorn, Michigan	114
2	S. C. White Leghorn, England	114
653	S. C. White Leghorn, Missouri	111
471	S. C. Red, Missouri	110
456	R. C. Reds, Missouri	110
566	Barred Plymouth Rock, Iowa	110

EDITORIAL

WE LEAD OTHERS FOLLOW

65,000 A. P. J.'s for June, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the June 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of May, 1914.
(Seal) HENRY G. EISERT, Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

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Look at the address on your wrapper. See that it is absolutely correct and notify us of any mistake, no matter how slight. Note the expiration date which appears thereon, as American Poultry Journal stops with the issue marked on your wrapper.

If you change your address give both your old and new address as well as your subscription number when notifying us of the change.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Boston to Have a Poultry Weekly.

BOSTON, Mass., is to have a new poultry weekly. This month, June, Poultry Husbandry, of Waterville, N. Y., will be merged with Farm Poultry, of Boston, Mass., and the magazine will continue monthly under the latter name through June, July, August, September and October. Beginning with the issue for November 7th, the magazine will change its name to the Poultry Weekly, continuing much of the outward form and features of the present Farm Poultry, and will be issued every week.

When Farm Poultry changed hands a few months ago, it was a foregone conclusion that there would soon be a change in name, as it was quite well known that Editor Robinson did not consider the present name sufficiently broad to cover its particular field. The change to a weekly was not wholly expected, as it is only a few years since Mr. Robinson was very strongly in favor of a monthly. Until the first weekly issue, subscriptions are to be taken at 50 cents for 52 numbers, but after that the subscription price of Poultry Weekly will be $1 a year and its promoters announce it as "a twentieth century poultry paper." Editor D. M. Green, of Poultry Husbandry, will be associated with Editor John H. Robinson in the conduct of the consolidated papers.

Farm Poultry was first published in September, 1889, and continued as a monthly until January 1, 1895, when it became a semi-monthly and so continued until July, 1908, when it again became a monthly publication. Announcing the change, Editor Robinson wrote editorially, in part, as follows:

"We need not here discuss the relative merits of monthly and semi-monthly issues, farther than to say that in our judgment the net advantage is with the monthly. * * *

"To the editor, especially, this is a welcome aspect of the change. We never expect to reach our ideal in editorial work, but we can easily see how with a little more time for investigation, reflection and revision of editorial contributions than we have had in the past, we can give readers a great deal better paper. * * *

"By advertisers generally we know the monthly issue is preferred. * * * The writer, who was a reader of and advertiser in the paper both as a monthly and semi-monthly, before engaged on it, has always been able to appreciate the attitude of these advertisers, and has always felt that as long as a paper continued a policy objectionable to so large an element of possible patrons it was not contributing all it might to the development of poultry interests.

"From our point of view, the monthly is 'all to the good,' and if any of our patrons feel otherwise we think they will come to our way of thinking after a brief acquaintance with Farm Poultry, Monthly."

That was written six years ago, and fortunately times change and men and things change with them. There ought to be ample room for another good weekly poultry paper. In foreign lands most of the poultry papers are weeklies, and surely we should be able to support a few in the United States. It means a lot of extra work and not the least of this will be in getting advertisers to fall into line and to have copy in before the forms close. In his May, 1914, announcement Editor Robinson says:

"The writer has believed for some years that the demand for a poultry paper in this country, and especially in the East, could be fully met only in a weekly devoted to all phases of poultry culture and giving some attention to various interests closely allied with it. Until the proposition to combine the two papers came up, however, he considered the question of issuing a weekly paper as one to be perhaps considered when the monthly reached the natural limits of its development. When the effects and possibilities of combining the circulations and organizations of the two papers were considered in detail it was apparent that this was an opportune time to change to a weekly issue and the decision was made accordingly."

More detailed announcement of the change is to be made in the June number of Farm Poultry and it is stated that the policy of the paper is to be somewhat different from the customs now in vogue. It seems a bit odd to think of D. M. Green and John H. Robinson bunking together editorially, but after the love feats of Messrs. Robinson and Curtis during the recent meetings of the A. P. A. Committee on Constitution, one may expect almost anything to happen.

Poultry Weekly and its editors have our best wishes for success. May they live long, wax fat and prosper!

American Poultry Association Election.

RETURNS from the Election Commissioner dated May 5th show that you cannot always judge an election by the nominating ballot. Chicago, which held second place on the nominating ballot with only 174 votes, wins the thirty-ninth annual meeting with 980 votes on the final ballot against 841 for Detroit. Of course we are glad that Chicago gets the meeting and we believe it will prove a record-breaking convention. Chicago will certainly make everybody welcome and provide entertainment that will long be remembered by the members who attend. The meeting is to be held August 10th to 15th, and we hope that every member who possibly can will COME TO CHICAGO.

President E. B. Thompson has been returned to office with the handsome total of 2,376 votes. This means that he is to be given ample opportunity to do the work he has begun for the best

interests of the organization, and we believe he will make good.

First Vice-President is Joseph Russell, of Toronto, Canada, with 2,329 votes to his credit, and this should help to make our big association more truly All-American. A. A. Peters, ever an able presiding officer, holds the Second Vice-Presidency with a fine showing of 2,313 votes.

The three members elected to the Executive Board are A. C. Hawkins, of Massachusetts; Henry Steinmesch, of Missouri, and Earl Hemenway, of Michigan. It would be difficult to pick out three "Ms" among the States more worthy of the honor. Evidently the voters decided to discourage over-long terms in office. Mr. Hawkins received 1,217 votes, or 637 more votes than his opponent in his home state. Mr. Steinmesch had 1,048 votes and Mr. Hemenway, 833.

By a vote of 554 to 31 it was decided not to change the name of the Rhode Island Reds. This is a matter for congratulation for the name of Rhode Island Reds means something and should be retained.

The 39th annual meeting, August 10th to 15th, at Chicago, will be an important one. Every member who has a live interest in the association should attend. The new constitution and laws of the association, which have been carefully worked out and prepared by the Committee on Constitution, including some of the most able men in the organization, are to be considered and voted upon. It is hoped that these new laws will help the association to be more truly useful and less cumbersome. Members are to be fully advised concerning the proposed Constitution and Laws well in advance of the meeting and will have abundant opportunity to familiarize themselves with them. We have not yet received an authorized copy of the committee's report with release for publication. When we do, we expect to call the attention of our readers to the more important sections. The A. P. A. Bulletin is to furnish each member with the complete text. There is other important work to come before the convention, including final matters concerning the 1915 Standard and the reports of various important committees. Everybody who can should plan to come to Chicago in August.

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More About Open-Front Houses.

IN THE May Poultry Herald, Editor Harold A. Nourse pays us a very great compliment. He says: "Dr. Woods, Editor of the American Poultry Journal, who lives in Massachusetts, the writer's home state, is known among the poultrymen of that section as a 'crank' on open-front houses."

We consider it a very great compliment to be known as a "crank," if the statement is true, for the "cranks" in this world keep things moving, and there would be little progress without them. Mr. Nourse devotes quite a little space in presenting his objections to open-front poultry houses, but his remarks are singularly devoid of facts.

He assumes that only a few poultry keepers in the Northwestern part of this country use open-front houses and he doubts their success. He says: "Some of them have been able to keep fowls alive in such quarters and a few, under particularly favorable conditions, have been able to get a reasonable egg yield during the winter. Most of those with whom we have come in touch terminated the experiment at the end of the first winter, or earlier, and remodeled their houses. Most of the poultry keepers in this territory, however, stick to what we call a sensible house, one that affords protection when protection is needed, yet is capable of being opened to admit plenty of fresh air when opportunity offers."

We don't know just what Mr. Nourse considers a "sensible house," but from his previous remarks we infer that he favors the curtain-front type of house with a curtained roosting closet. The roosting closet is an abomination and is directly responsible for much poultry disease. The curtains get dusty and damp and then supply just about as much ventilation as a tight board wall. For a good many years we have been investigating poultry diseases on poultry plants all over this country and we have commonly found tuberculosis and catarrhal diseases rampant on poultry plants where the curtained roosting closet is used.



First Price White Rock Hen at the Great Coliseum Show, St. Louis, Mo., Nov. 1913. Bred and owned by Dr. L. D. LeGear, St. Louis, Mo. Farm at Kirkwood, Mo.

We care very little what type of open-front house a poultryman uses so long as he uses a good one, and there are several such. The leading poultry authorities all over this country have endorsed the open-front house. We wish that Editor Nourse would publish the names and addresses of the poultrymen he knows who have failed with the open-front house and who have been obliged to remodel same. We also would like to have any of our readers who live in the Northwest write us full details of their experiences with open-front houses. Give us the truth about it.

Why bother to get fresh air into your "sensible" house "when opportunity offers," Mr. Nourse, if it is so desirable to shut out fresh air at night? Of course, everybody should know that a fowl's need of fresh air is greater at night than by day, but small matters like that probably don't count with sensible folk.

The assumption that an open-front house does not afford protection when needed is silly. In a well-built open-front house there is ample provision for protection and comfort. In fact an open-front house is far more comfortable than a closed house that is not supplied with artificial heat. As to frosted combs, in our experience covering many years and a multitude of poultry plants, we have been called upon to prescribe for many cases of frosted combs in closed buildings,—much more often than where open-front buildings were used.

We have before us a letter from J. W. Danfield, Kingsbury, Quebec (the full text of which is given in another column), in which he reports experience with a Woods open-front house during the most severe winter weather his section has known for years. During February there were nineteen nights when the temperature registered below zero; once it was 46 degrees below, once 45 degrees below, and on ten other days ranged from 20 to 37 degrees below zero. He has Rose and Single Comb Rhode Island Reds. Had an excellent egg yield. That the fowls were in fine health is attested by the facts that the severe cold did not interfere with the egg yield, that thirty-seven birds produced 453 eggs during the month; that six of these birds laid twenty eggs or better each during the twenty-eight days, and one pullet laid twenty-four eggs; that not a comb was frosted and of four cockerels two had their wattles only slightly nipped, but not enough to call for treatment, and that the eggs from this pen ran 92 per cent fertile in April.

We don't know what Mr. Nourse would call success, but we do know poultrymen who were almost down and out when they adopted open-front houses and who now earn good incomes and ride around in automobiles that their poultry paid for. One man in particular about eleven years ago was about to quit the poultry business as a failure; he was encouraged to put in open-front houses and practice open-air methods. Today he owns outright a poultry plant worth $15,000 or more, has as fine a big flock of breeding stock as we ever saw, is doing a prosperous business and for several years past has been enjoying life with the latest models of one of the best makes of automobiles.

We know another man, whose father keeps fowls. When our friend built his first open-front houses the old gentleman used to hustle out to them in the morning to find out how many fowls had frozen to death; he was mighty anxious to "get one" on son John for building such a "fool house." He was astounded to find that the water froze more quickly in his own closed house than it did in the one with the whole south end open, that John's fowls were not only more comfortable but laid more eggs and the eggs ran more fertile and hatched better chicks; also that while he had badly frozen combs in his closed and "sensible" house, not one of John's birds suffered from frost-bite.

From Nebraska, H. H. Stoddard wrote us in 1910: "I write with some ardor on this fresh air biz for reasons I will proceed to set down. For fifteen years or more I read nothing on poultry. Lost the run of things entirely. Then read R. P. J. files through 1909. Learned more of importance, I can truthfully say, from your pen than from all my previous reading of poultry books and papers put together.

"My interest in the anti-tuberculosis crusade, and the wonderful vigor imparted by the open windows o' nights practice to well people, made me read carefully your statements. I determined to open two big doors to my poultry house. Now here is the important thing. The oldest residents (about fifty years is the limit since exclusive Pawnee occupation here in this part of Nebraska)

have never experienced so severe a winter. For six weeks the cold had no letup. For twelve mornings in succession, by a very strange uniformity, my thermometer said 5 degrees below, almost to a hair. Previous to that, and afterwards, it was every morning from zero to 18 degrees below in the whole six weeks' period. My house doors stood open on the east and the perches were not way back from the opening. House, a barn really, so wide, long and high that animal heat couldn't warm it to amount to anything.

"I expected frozen combs would compel me to stop the experiment. Had very large, freezable combs. None froze! Birds bright, active and healthy. Water left by mistake froze six inches in one night. Good output of winter eggs. I came to scoff and remained to pray. I am converted and reformed. Thought I understood fowls. For nearly fifty years I have preached ventilation. Am through."

Because we simply cited a last winter experience in moving three birds from a closed house to an open one in severe weather, our critic assumes that that was an exceptional case. Not so. For a dozen years we have been moving fowls from closed houses to open-front ones in winter and with 100 per cent success. Several years ago we were called to a bleak northern poultry plant in midwinter. The thermometer stood at from 35 to 50 degrees below zero all through our visit. We went to investigate a troublesome epidemic of roup and roupy colds. We found the fowls in closed and curtain-front (oiled muslin curtains which are as tight as boards) houses. We took those sick and ailing fowls and put them in the small 3x6 open-front colony chick coops used for fall flocks, not over six or eight birds to the coop; this for the sickest specimens that seemed to have the least chance. For the rest of the flock we threw the south fronts of the buildings almost wide open except for a wire screen. The birds in the big houses all recovered and within three weeks were beginning to get well established in laying. Of the very sick birds in the small open colony coops, out in the snow drifts on the hillside, all but three or four made a good recovery, without doping, and began laying while it was still cold enough to freeze the eggs in the coops unless collected several times daily. When we preach open-front houses we are not spinning theories, printing guesswork, or padding space. We have had a long and wide experience with open-front houses and many successful users of open-front houses all over this broad land will back us up.

The assumption, because we dressed a sick little girl warmly in wool when giving her open-air sleeping-room treatment, that we should put ulsters on the fowls in open houses is puerile nonsense. Fowls wear thick feather ulsters day and night and cannot lay them aside at will. In winter their feather coat is heavier than in summer. They have to wear their outdoor wraps in the



"Wingold" Buff Orpington pullet. First at International Show, Buffalo; first at Detroit. (No retouching whatever.) Bred and owned by F. A. Poertner, Berea, O.

house and their ulster collars (metaphorically) are always turned up to protect them from the wintry cold.

Put on your ulster and mittens and coon cap and go into a closed house that has no heat in it, aside from the animal heat from yourself and companions, and on a zero day you will find the air in that house has a deadly chill and is anything but comfortable. From there take your party into an open-front shed with a southern exposure and you will find it much more comfortable. Any red-blooded man used to roughing it can tell you that.

We believe that open-front houses are more sensible and sanitary for fowls than closed houses or curtain-front houses. Open-front houses are more comfortable for the fowls. "Colds" are not the result of cold pure air; they are caused by stale, foul, impure shut-in air.

In our experience fowls in open-front houses lay more eggs in winter; produce a better percentage of fertile eggs; the eggs hatch better; the chicks live better and the health and vigor of all flocks is at the maximum. That is reason enough for their use in spite of silly prejudice.

Editorial By Our Readers.

Editor American Poultry Journal:

I WISH to express my appreciation of your editorial on "Censoring Advertising," page 816 of the May issue. I believe it is well to go slow and easy in this matter and not draw the lines too tight; in fact, I believe that if the poultry journals would agitate this question in a general way in their editorials, showing why it would be to the advantage of the advertiser himself to be careful in his ads, that is all that would really be necessary. No matter where you look, even in the so-called highest forms of advertising, you will find claims designated by such words as "unsurpassed," which really means nothing else than "the best in the world," and "peerless" and "unequaled," which are, according to our present day standards, simply words which express the author's idea that his stuff is high-class. Absolute misstatement is a horse of a different color, but when one claims, for instance, that you simply must win out at Madison Square Garden and Boston and Chicago in order to be able to advertise "the best in the world," I believe such a stand is ridiculous. Believe me, gentlemen, that many more high-class birds have been sent out by breeders who never won at Madison Square or Boston than by most of the breeders that did win there. Therefore, these breeders who did send out the good birds to their trade are the ones who really did much more good to the poultry business in general than those that did win at the above mentioned shows.

Furthermore, any breeder who cannot back up his advertising by sending out

BUFF ORPINGTONS
FASHION PLATE STRAIN
A. E. MARTZ & SON

EGGS EGGS EGGS
We will sell eggs, beginning June 1st, until the close of the season at half price. Consult the "Fashion Plate Book" and place your order at once. 28 yards. **Special Rate** for June and July, $1.00, $1.50, $2.50, $5 or $7.50 per 15.
Buff Orpington Specialists, Box A, ARCADIA, IND.



Now is your chance to secure either Foundation Stock, Chicks or Eggs of
Parks' Bred-to-Lay Barred Plymouth Rocks
AT GREATLY REDUCED PRICES
Selected Eggs, $2.50-15; $4-30; $10-100. Selected Utility Eggs, $1.50-15; $4-45; $8-100
DAY OLD CHICKS, HALF PRICE: $12 and $20 per 100

My FREE CHICK Circular tells how we are able to make June chicks mature with the average April or May hatch.
BREEDING STOCK—I will now offer at greatly reduced prices about half of my choicest breeders. Don't write, however, for prices on them by the hundreds, as we don't breed them that way. We aim for quality, not quantity, and will not have over 150 birds to offer. Let me know what you are interested in and I will be glad to write youfully.
The strain with over 25 years' careful selection back of them for eggs, and bred well enough up to the standard to win a share of the blue and to have a number of Madison Square Garden winners as customers. Circular free. Large 40-page catalog a dime. Deduct same from your first order.
J. W. PARKS BOX J ALTOONA, PENN., U. S. A.

the goods that really have those qualities which his customers are seeking and needing,—the life of such an advertiser as a poultry breeder will be short lived. It is of far greater importance that the customers be treated right than it is to see that the wording of an ad is just tame enough to suit the finicky taste of a purist. Sending out every bird subject to approval and refunding the full purchase price in every case where the bird is returned, sending out eggs for hatching with a guarantee of at least 50 per cent strong fertility and replacing such orders free of charge as do not come up to this guarantee—these are two of the great strides forward which have been made in the last few years by some breeders, and which should become a universal rule. Keep up the good work. Very truly yours,

W. D. Holterman, Fancier.

Fort Wayne, Ind.

Editor American Poultry Journal:

I NOTE that the American Poultry Association is to have an advertising censor committee. I also note that some poultry publications are taking exceptions to this act. It would seem in this day and age that no well-managed institution would take exceptions to any movement that would prove of such real value to those hundreds who each year make a start in the poultry venture. If there be one reason more than another why so many people make such glorious starts with poultry and end in a few months in conspicuous failures, it is because they have seen an attractive advertisement in one of the poultry papers, thought that that paper would not accept other than reliable advertising, and so spent the few remaining dollars for the stock so highly recommended in the advertisement.

When I started in the poultry business I purchased stock from a concern advertising in all poultry papers; one having a booklet published about their farm and distributed by a well-known publishing house, thought by more than a million readers to be wholly reliable, yet this same concern may be run to ground with very little watching as being the country's greatest band of highway robbers. They advertise to guarantee every chick or head of stock they sell to be just as described. They purchase hens as old as four years and scrape off the scales and sell as yearlings. These are purchased of farmers here and there, and they have written poultrymen, the reliability and integrity of whom they know nothing, asking if they had any stock or eggs to offer, that they (the great poultry concern) might fill all orders for stock as received. Yet we hear the poultry publishers crying not to cast any stones into the other fellow's backyard. It would be terrible to make a row about men who hand out such goods, for we might diminish their bankroll and cause a few well meaning people to make good in poultry, because they would then be able to go to the American Poultry Association officials and obtain a list of wholly reliable breeders.

Every publication that is worthy of the name should be willing to take this "honesty in advertising" stand, that all publications worth spending our hard-earned money for maintain. It is impossible for anyone to pick up a paper that does not contain one or two objectionable advertisements, but it should be the aim of every publisher asking people to subscribe for his paper to make it as clean and reliable as possible. Seemingly, poultry publications have been the last in the list to maintain such a standard. Advertisements are continually inserted, offering stock and supplies for sale, that should never be allowed to appear in print.

The day-old chick business has grown to be one of the greatest industries of the day. The sins that are perpetuated within the fuzz of day-olds is stupendous. Stock is being shipped each season wholly unfit for even an experienced man to deal with and make a profit with, to say nothing of a novice.

I purchased several hundred head of day-olds of a large concern, rated as reliable. Upon reaching the ranging age I found that this stock developed brown feathers, although I paid my money for "full-blooded Single Comb White Leghorns." Upon receipt of my letter of complaint the concern advised me that the stock must have been exchanged for poorer grade in transit, which, as any sane man knows, would be exceedingly improbable.

Another side of the advertising situation that the board of censors should look to is that of fake medicines and concoctions for poultry. One is a preparation offered to take the place of green food. While the makers may offer the letters of recommendation of several important men in poultry husbandry, I know from personal experience that the clause in their advertisment which says, "Your money back if not satisfied," is one of the boldest attempts (which succeeded all too well in causing people to spend their money for this stuff) in poultry supply advertising today. I purchased these pills and found them most unsatisfactory. I specified when I signed the order that if they were not what they were recommended to be that I would get my cash back. Nay, nay, Pauline! When I wrote them about the matter, asking that my cash be refunded, they told me no. They say cash refunded, and then the local agency offered to "buy back" the unused pills. Some square deal, eh?

The majority of the papers circulated through the mails contain advertisements that the publishers are willing to make good within a reasonable time any false or misrepresented article advertised. It is high time that the poultryman had this same privilege. We shall not find the poultry business, whether from the supply manufacturer's viewpoint or that of the breeder, highly successful until we reach a stage where the doubtful one and the square dealers are in separate pens. If I breed and offer for sale the best stock in the country, and the reader happens to purchase this season



Crusader III, a Boston Winner

Martin's Regals

Half Price Egg Sale

After June 1st the price of eggs from my prize matings (as they run) will be $2.50 per 15, $4.50 per 30, $6 per 45, $12 per 100. Dorcas Pens—$3 per 15, $5.50 per 30, $8 per 45, $16 per 100. Special Matings—$5 per 15, $9 per 30, $12 per 45. Utility Matings—$3.50 per 50, $6.50 per 100.

This is an excellent chance to become acquainted with America's finest White Wyandottes at small cost. All my winning pullets and some of my winning cockerels at the Boston Show, 1913, were June hatched.

Free—Send for catalog and Summer Sale List giving description of several hundred breeders I am offering for sale.

John S. Martin, Box 51, Port Dover, Can.

Jacobus Campine Eggs Half Price

To advance the interest in Campines and enable all to secure proper stock, I have decided to offer eggs on June 1st for balance of season from my noted strains of Golden and Silver Campines as follows: **Best Matings**, $7.50 for 15; $13.50 for 30; $21.00 for 50; $37.50 for 100. **Grand Matings**, $3.75 for 15; $7.00 for 30; $11.00 for 50; $21.00 for 100. For best results you should have my strain, as I have won a total of more first and second prizes at Madison Square Garden and Boston on Campines than all my competitors combined. At Madison Square Garden, December, 1913, 197 birds competing, I won four firsts, one second, two thirds, one fourth, two fifths and four specials.

M. R. JACOBUS, Box 3-J, RIDGEFIELD, N. J.

Harold Tompkins' Rhode Island Reds Both Combs

Leading winners at the world's largest shows for the past several years, including New York and Boston. Eggs from some of the world's best matings now half price. Some fancy breeding males and females on the market. Write always to

HAROLD TOMPKINS, CONCORD, MASS.

of the man next in the column to me and gets badly stung, he will use great care in accepting my offers the next year. In business one man cannot make up for another, but one man can tear down the integrity and reliability of a vast multitude. An honest poultryman, who is breeding the stock he represents to sell and who is afraid to have his advertising censored by the A. P. A., has no business in the poultry business, anyway. It would be a selling point to any concern to have its articles accepted and labeled by such a board, the members of which would be equipped both with knowledge and experience to judge the articles and stock offered.

We demand that honest men advertise honest wares in the paper we pay our cash for. Let the others start a sheet all their own and beat such suckers as will be fools enough to take it and read its pages. Earle W. Gage.

Ashville, N. Y.

———o———

Appointment of Harry H. Collier.

EXECUTIVE Commissioner Richard Seelye Jones, of the Washington Exposition, announces the appointment of Harry H. Collier as that state's commissioner of poultry for the Panama-Pacific Exposition. Mr. Collier has long been identified with the poultry industry of Washington. He was the commissioner of poultry for the state of Washington at the Lewis and Clark Fair in 1905, which was held at Portland, Ore. He was commissioner of poultry at the Alaska-Yukon fair that was held at Seattle, in 1909. He has held the position of superintendent of poultry for Washington State Fair for the last fifteen years. He is a special correspondent for the American Poultry Journal, Chicago, Pacific Poultryman, Seattle, and the Northwest Poultry Journal, Salem, Ore. Mr. Collier writes for many other poultry papers, among them being the Fanciers Monthly, San Jose, Cal., and he has charge of the Tacoma Ledger's poultry page that comes out each Monday morning.

Harry H. Collier was elected a member of the executive committee of the American Poultry Association in 1911 and attended the last three conventions, Denver, Nashville and Atlantic City. Mr. Collier was honored by President Reese V. Hicks with a place on the judges' license committee and was elected by the executive committee to revise the show rules of the American Poultry Association.

———o———

Last Call.

JUNE marks the month for the last call to swat the early fly. A month hence will find teeming millions of these filth carriers spreading disease everywhere to man and beast. Each fly fairly and forcibly swatted NOW means twelve million less to swat July 1st.

The fly lives and breeds in filth. He cannot breed or prolong his race without filth. Under ordinary filthy conditions, he can multiply his kind at an enormously rapid rate, from mature fly to mature fly covering a period of but a few days.

If you want to make a telling blow for your own comfort, for the health of your family and neighbors, for the doing away of one of the worst foes to hygienic conditions of living in summer, swat the early fly now and outdo the "seven at one stroke" story by virtually killing a million at one swat.

The New York Tribune gives the following table showing the rapid increase of the fly family with a common ancestor:

Swat the Early Fly!

Table Showing How Rapidly Flies Multiply.

	Flies.	Eggs.
June 1	One fly lays	120
June 10	60 flies lay	7,200
June 20	3,600 flies lay	432,000
June 30	216,000 flies lay	25,920,000
July 10	12,960,000 flies lay	1,555,200,000
July 20	777,600,000 flies lay	93,312,000,000
July 30	46,656,000,000 flies lay	5,598,720,000,000
Aug. 9	2,799,360,000,000 flies lay	335,923,200,000,000
Aug. 19	167,961,600,000,000 flies lay	20,155,392,000,000,000
Aug. 29	10,077,696,000,000,000 flies lay	1,209,323,520,000,000,000
Sept. 8	604,661,760,000,000,000 flies lay	72,559,411,200,000,000,000
Sept. 18	36,279,705,600,000,000,000 flies lay	4,353,564,672,000,000,000,000
Sept. 28	4,353,564,672,000,000,000,000 flies.	



Keeler's White Wyandottes

The World's Greatest Strain

Bargain prices on stock and eggs during June, July and August. 2,000 chicks growing on free alfalfa range. Send for 64-page art catalogue. Special sales list free (5 Red Stamps appreciated).

CHAS. V. KEELER

R. F. D. No. 11 WINAMAC, IND.



Myers' Barred Ply. Rocks

The Pullet Breeding Line AGAIN makes another Madison Square, N. Y., show record. THEY REPEAT, and for the second time in succession I won FIRST PRIZE HEN at this greatest of all shows, also Special for **Champion Female.** My complete record is: **Hen, 1st, 5th; Pullet, 2d, 3d; Pen, 3d, and Special for Best Female in the Class.** This, with my former winnings at this show, Philadelphia, Hagerstown, etc., made with birds of MY OWN BREEDING tells the story of their quality and worth.

After May 15, will sell a lot of my breeding birds at reduced prices to make room for growing young stock. These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder desiring choice exhibition and quality birds. I sell in lots and quantity to suit, and assure absolute satisfaction.

Selected Breeding Ckls. . $5, $7.50, $10, $15
Selected Breeding Pullets . $3, $4, $5 to $10
Trios . . . $10 up Pens . . . $15 up
A Special Pen of Male and 4 Females . $25

Remember I select and mate all birds sold. Write me your wants. **Eggs for hatching.** Write for free catalogue.

C. N. MYERS, Box A, Hanover, Pa.

Wilburtha POULTRY FARMS

C. J. FISK, Owner WM. D. CAMPBELL, Supt.

Box J Trenton Junction, N. J.

THE BEST ALL-AROUND STRAINS OF THE BEST ALL-AROUND BREEDS

—that's the enviable reputation held by Wilburtha birds. Our

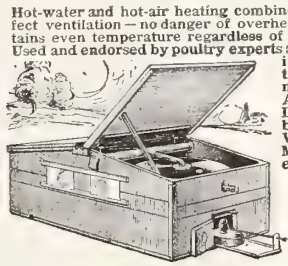
COLUMBIAN WYANDOTTES
COLUMBIAN PLYMOUTH ROCKS
PARTRIDGE PLYMOUTH ROCKS
S. C. BUFF & WHITE LEGHORNS

are winners at the shows and, besides, are the best profit producers in the poultry yard. These birds are large, heavy, healthy and full of stamina—beautiful yet intensely practical Write for free descriptive circular and mating list.

Hodgson Portable Poultry Houses

WIGWARM Brooder

Hot-water and hot-air heating combined gives perfect ventilation—no danger of overheating—maintains even temperature regardless of cold outside. Used and endorsed by poultry experts and by experiment stations and such men as Dr. A. A. Brigham, Dr. N. W. Sanborn, Dr. P. T. Woods and Mr. A. F. Hunter. Size, 3x5 feet.



$15.00

No. 0 Colony Laying House—for 12 Hens Fitted complete with nests, fountain and feed trough. Sanitary—easily cleaned. One man can easily care for several hundred birds. Nicely painted—set up in 15 minutes. A comfortable year-round house. In stormy weather the run may be covered, giving a protected scratching room. Size, 10x4 ft., 5 feet high.



$20.00

Send for catalogue.

E. F. HODGSON CO., Room 332, 116 Washington St., Boston, Mass.

DR. WOODS' NOTES AND COMMENT.

Come to Chicago August 10th to 15th!

* * *

So the stork is to bring a Green-Robinson Poultry Weekly to Boston early in November. (Mr. Printer, be doggone careful how you spell that name.) Let's hope it will prove a lusty infant and find a warm welcome. We suggest that the first issue publish full length portraits of Editors Green and Robinson standing side by side.

* * *

Editor Standish of The Poultry Index says in his April number that we told him during Boston Show a story of Mrs. Woods "sitting up nights at home to keep the cats from freezing" during that severe January cold snap. That has us guessing as to just what brand of "ink" Mr. Standish and his printers use. We never mentioned "cats"; we don't keep "cats," and Mrs. Woods has no earthly use for 'em. What we said was that she had to sit up nights to keep the "water pipes from freezing." Sounds a lot like "cats," don't it? But then, maybe, friend Lemuel had just been visiting the cat show department at Boston before we talked with him and that should excuse almost anything. We haven't entered the doors of the cat show for half a dozen years, but the memory of the last visit still lingers with us. "Sufferin' cats," Lemuel, don't get the water pipes mixed again!

* * *

And now, having disposed of the "kitty," we want to thank Editor Lemuel W. Standish for the way he handled open-air poultry house matters in the April Index. While the compliments are appreciated the boost for open-air housing of poultry and open-air living is even more welcome and pleasing. We are strong for open-air living, open-air sleeping porches and open-air poultry houses and we appreciate it when our friends of the poultry press give the good work a helpful boost. Fresh air, open air, is good, but it is too cheap and generally costs nothing—that is one reason why folks are slow to make use of it. If fresh air cost a dollar a pound, what a mad scramble there would be to get breathing space. Some day somebody will get a mortgage on all the fresh air and try to tax us for it. (We pay taxes for pretty much everything else.) Better get the fresh-air habit now, before the cost goes up.

* * *

We get a great many inquiries about desirable small farms in Eastern Massachusetts. As a matter of fact there are mighty few such farms offered for sale at moderate prices that are getatable and worth while. The Sunday papers are filled to overflowing with ads. of low-cost farms, but on investigation these do not pan out well. We spent a long time and a lot of money looking about before we located, and we found that desirable places were scarce indeed. We do not know of any good farm place of from 15 to 30 acres, within an hour and a quarter's ride of Boston, that can be bought for less than $4,500 and upwards. There are plenty of farms advertised to sell for from $1,800 to $3,000, but when you look them up there is either something decidedly undesirable about the place, or it is very much out of repair, or you find that the ad.

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Bargain Sale for 1914



Imperial "Ringlet" Exhibition Pen, winning First Prize and Sweepstakes Cup at Madison Square Garden, New York, 1913-1914, and Ckl. heading Second Prize Pen.

Type never told a story of greater values and more sweeping price reductions than in my Special Sale List which is now ready for mailing. This is an opportunity to buy the finest quality Barred Rocks ever offered in America at Special Bargain Prices.

This Is America's Leading Bargain Sale

It is unrivaled in high quality and low prices—This establishment is the largest devoted entirely to the breeding of High Quality Barred Rock in All America. There are more First Prize Madison Square Garden, New York, winners here than on all other farms combined. You can now secure Madison Square Garden winners and sons, brothers, sisters and daughters of New York winners, and birds of this richest New York first prize winning blood at the decided bargain prices. Birds bought now at the prices in my Special Sale List will pay you splendid dividends.

In This Special Sale List

Are listed the finest show birds, the finest breeders in single birds, pairs, trios, and pens that I have ever offered and at the rarest bargain prices. There are lots to meet the needs of all—the beginner who must begin right, the old breeder who will improve his stock, and the show man who wants to win in the strongest competition in the world.

See ad on back cover page for the wonderful record of my Imperial "Ringlets" at last winter's Madison Square Garden 1913-1914 show. This achievement takes rank in history as the most wonderful ever recorded since the New York show was founded.

It Will Be To Your Interest to have this Special Sale List and take advantage of this opportunity to secure "Ringlets" at the cut down bargain prices. Whatever may be your wants in Barred Plymouth Rocks you will find it in my Special Sale List at Bargain Figures: The List will be mailed promptly upon request.

Elegant 70-page catalogue upon application.

EGGS from the world's finest exhibition matings $10 per setting; four settings $35; 100 eggs $60—One-half these prices after June 10th.

E. B. Thompson

Lock Box 510, Amenia, N. Y.

was simply bait to get you to visit the real estate man.

* * *

Dr. Raymond Pearl, of the Maine Experiment Station, says: "It used to be believed that birds could not be raised without a dust bath to kill lice. One of these has not been used here in many years. In the first place, the hens should be free from lice when put into the pen. Secondly, the dust bath does not prevent the lice, and, thirdly, it makes the place dusty and fills the lungs of the birds. In a pen, only a small percentage of the birds will use the dust bath, anyway. They should be put in free from lice and the houses kept reasonably clean, the pullets being kept from the old hens. Under these conditions there will be no ill effects from lice until spring. Then a small piece of mercurial ointment put on each bird will do effectual work in killing lice, and they will come back but slowly. On old, lousy birds, two or three applications should be made. We used to use a lice powder, but this was, on the whole, more troublesome to apply, with no better results. We have yet to see any reasons for the putting back of the dust bath when there is plenty of litter on the floor."

* * *

All of the above quoted paragraph is very good as far as it goes. Comparatively few of the poultry plants we visit provide any dust bath, other than such "dusting" places as the fowls can find in the runs and the earth on the floor. The great trouble with the dust bath is that it is misnamed. From the name, a good many poultry keepers have come to believe that a "dust bath" should be filled with dry dust, the drier the better. A fowl will use a dry dust bath when she can't get anything more to her liking, and she will wallow in it until the place is filled with dust almost to the point of suffocation. Such dust-filled air is not desirable for breathing purposes. But biddy will kick up great clouds of dust scratching in dry litter and appear none the worse for it.

* * *

Substitute the earth bath for the old-fashioned "dust bath," and you will have conditions more to the bird's liking. Observe your birds carefully and you will note that, when given a chance, chicks and fowls of all ages will eagerly wallow in fine, slightly-moist friable earth. In freshly-turned sod, under berry bushes, beside an old stump, or near orchard trees, where the earth is soft and friable and just a bit moist, there the chick, even under a week old, the adult fowl and all ages between, eagerly seek their earth bath and seem to take great enjoyment in it. They will wallow in an earth bath whether they are lousy or not and will shoot the moist earth through their plumage with evident pleasure. Out in our woods the pheasants and grouse do the same thing and we frequently come upon a wallow close by an old and rotting stump. We have never yet found a healthy chick or fowl that failed to use and enjoy an earth bath of the right sort and we believe all should be provided with the opportunity to use one. We don't know that it has any particular efficacy in ridding a bird of lice, but we do know that the birds like and enjoy an earth bath and that is reason enough for having one. Our brooder chicks take to the loose earth of an up-turned sod like school boys to a swimmin' hole. We believe in chick comfort and it surely is one more factor in chick comfort.

* * *

As to the use of lice powders, we like to use a good powder for dusting broody hens. Ointments and grease are not usually as desirable. We find flowers of sulphur good and best of all is fresh-ground Persian pellitory (pyrethrum). Almost any grease applied about the face and rubbed into the skin and plumage about the vent will get rid of lice. A 5 per cent naphthalene ointment is good. Mercurial ointment mixed with an equal part of vaseline and a piece the size of a pea rubbed into the skin below and around the vent is very effective in getting rid of body lice. Do not use the mercurial ointment (common blue ointment and vaseline, equal parts) too freely, and do not use it about the face and eyes. Five per cent croton oil in castor oil is also good to get rid of lice. A very small quantity may be rubbed in around and below the vent and at the edge of the feathers on head. Do not get it into the eyes. Both the mercurial ointment and croton oil are poisonous and should be used with caution.

Woodcrest Partridge Wyandottes

The record champions of Madison Square and Boston. My free catalog tells the story.

CHAS. H. WOOD **Mutual Building** **Worcester, Massachusetts**

"SENSATION"

and RED PRINCE Strains of Rose and Single Comb Reds

Winners of **186 prizes** at New York, Boston and Providence, since December, 1909; including **31 firsts**, $50 cup for Display, Boston, 1912; Display New York, 1912-13, and **State Cup for Display for six successive years** at Providence, R. I.

Eggs at **"Sensational" Prices.** **AFTER JUNE 1st** all eggs above and utility grade at **HALF THE REGULAR PRICE.** **Plenty of time to Hatch Winners** for the **Winter Shows. Stamp for Mating List.**

RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 100, **Tiverton 4 Corners, R. I.**

MADISON SQUARE GARDEN, NEW YORK CHAMPION

White Plymouth Rocks

Win all Honors at the National Show, Held at Washington, D. C., December, 1913

Their record is unbeatable, like their superior quality. At this great National Exhibit they won Cock 1-2, Hen 1-2, Cockerel 1-2, Pullet 1-2, Pen 1 and all Specials. **At Williamsport** this season they again made their second great record, and at Cleveland, Ohio, Chicago, Ill., Boston, Mass., Philadelphia, Pa., they have proven their quality and won highest awards and honors over all, including six Championship Specials for Best Bird at these great shows.

Remember This Champion Line made its best records at America's Greatest Show, **Madison Square Garden, New York. They are now better than ever.** We have a great line of stock to select and fill orders with. They have the best of breeding quality and will give absolute satisfaction. Write for my **Special Sales List of Stock.**

Eggs for Hatching from selected matings, made on quality to produce quality. My circular and full particulars for the asking. Write me.

WEBSTER FARM, Box A, GIRARD, PENN.

LICHTENWALTER'S QUALITY

Buff Plymouth Rocks

For years they have won at the prominent shows, East and West, more prizes than any other line. They have the quality to win and to breed winners. Let me know your wants—I can please you.

Eggs for Hatching: For this year I have made but few matings. They are the best I have ever had, and from which I will sell hatching eggs without reserve. Circular and Mating List for the asking.

E. A. LICHTENWALTER, Box A, GIRARD, PENN.

At this time of year lice and mites begin to prove very troublesome and they multiply rapidly. There are several good liquid lice killers that are excellent for getting rid of mites. Mites are poultry bed bugs. They live in cracks and crannies of the woodwork of the poultry house, roosts and droppings boards. Usually they hide in their breeding places by day and sally out to suck the blood of the birds at night. They are carriers of disease and they can and will kill both sitting hens and chicks. A cheap and effective spray solution for killing mites can be made at a cost of not over 15 cents a gallon. Mix one pound of crude naphthalene flakes with one gallon of low-grade kerosene. Stir until most of the flakes are dissolved. Use the clear liquid to spray woodwork and to paint on roosts and to kill mites. It is a good, cheap liquid killer for lice and mites and has been in successful use twenty years.

* * *

When young chickens appear ill, lose interest in their food and develop symptoms of dumpishness, lack of interest in life, abnormal walk or gait, cramps, leg weakness, puffed crop, and even fits, it is a good plan to do these things: First, stop feeding. Second, keep the chick warm and comfortable and out of chilling winds. Third, take the weaklings away from their stronger mates, so that they will not be trampled on and otherwise abused. After a brief rest, begin feeding a very little warm sweet milk the first day. Follow this, if chick has looseness of bowels, with small feedings of scalded sweet milk, thickened with well-boiled white bread flour and seasoned with a bit of ginger and grafted nutmeg. When improvement is noted, and not until after the second day of the milk diet, allow a little good "steam-cooked" rolled oats (just as they come from the cereal package), rubbed up with hard boiled egg. Then add bread crumbs to the egg and oatmeal mixture and gradually return to the regular ration. Scraped raw potato is also good for them. Do not feed too often, three or four times daily is ample. Use only good, sweet, sound foodstuffs. Grind your own chick food from the best grain you can buy. A $4 grinding mill will more than pay for itself even where you have only a small flock. These simple rules will help to bring many unpromising chicks up to marketable broiler size and turn what looked, at first, like loss into profit. Don't attempt to run broods altogether by thermometer temperatures, and don't be afraid to give them outdoor air and exercise. Keeping the chicks comfortable is the secret of success.

* * *

Don't let rats nest under your chick coops. Turn up the coops often and get rid of the rodents. A full-grown rat will make way with an entire brood of weaned chicks in a single night if given an opportunity. One of our neighbors, who was on the war path for feline chicken thieves and shooting up all the cats that came on his place, was chagrined to find that the cats were not to blame after all. He missed 50 eight-weeks' old chicks in one day and naturally was exceeding wroth and blamed all the cats in sight or out of it. Chancing to move a small colony coop, which stood near the one from which the chicks disappeared, he found under it the fifty chicks with their throats bitten and partly eaten, and close by, a full-grown rat with a nest full of young. Since then, with terrier and club, he has been ratting under every coop and building on the place. We have never had any luck fighting rats with poisons, rat-corn and serums. A good wire rat trap, well-smoked after each catch, has done good service. A 16-quart, galvanized iron pail, half-full of water, standing beside a box that reaches almost to the top of the pail, has proved a never-failing trap, and always yields up one or two drowned rats a day when the rodents are plenty. An Airdale terrier does good work, and for the rest, a small calibre rifle and a good, solid wooden billy (a thirty-inch length of broom handle) do the trick in getting rid of rats. We not only have the common house rat to contend with, but husky water and woods rats as well. After a good round-up they leave the premises for a time, and there is a brief period of freedom from the pests, then comes another invasion and more work to be done.

* * *

Last year, Thos. F. Rigg called attention to the fact that blue jays were seriously annoying his chickens and even killing some of them. Until this season we have had little trouble with blue jays. Early in May, however,

FERRIS Leghorns

30% Less Than Actual Value

We raised 10,000 Improved White Leghorns this spring and you can get your pick of thousands of February and March hatched cockerels and pullets at 30 per cent less than regular prices. These birds show splendid development, and they have the low, well spread tails, good heads, with white earlobes and smooth, evenly serrated combs; typical shape in all sections, with long backs and full breasts, and snow white plumage that you must have in order to win. We have been breeding winners for the largest shows for many years. Ferris Leghorns are trap-nested. We have been breeding them for egg production for more than 12 years. We ship on approval and insure all birds for 30 days. If they get out of condition we stand the loss. Utility cockerels from $2.00 up, pullets and hens from $1.75 up. We have a number of very choice breeding birds to spare that we have used in our best matings. Write us for further particulars; we will be glad to tell you just what we have. The summer prices make it worth your while to buy now even if you do not need the stock until winter. Males that will then cost you $10.00 cost only $7.00 now; the $15.00 exhibition birds only $10.50.

We can ship eggs and chicks at once on receipt of order

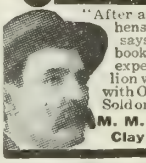
There is still time to hatch chicks if you can give them good care. Chicks, $5.00 for 25; $16.00 per 100; $144 per 1,000 in June—$4.00 for 25; $12.00 per 100; $108 per 1,000 after July 1st. Eggs, $1.35 a setting; $6.00 per 100; $57 per 1,000 in June—$1.20 a setting; $5.00 per 100; $47.50 per 1,000 in July. Safe arrival of chicks and fertility of eggs guaranteed.

Our Catalog Is Free

It contains a lot of valuable information and will tell you all about White Leghorns and why they are best. Just write a postal today and let us send it and quote prices. Breed Ferris Leghorns and you will have eggs all next winter and can win wherever you want to exhibit. Take advantage of this summer sale and it will cost you very little to get a splendid start.

GEORGE B. FERRIS,
THE FERRIS LEGHORN FARM
905 Union Ave. Grand Rapids, Mich.

Chicken Raising FREE



"After all, you can trust the hens to make the living," says Johnson. And his book gives the condensed experience of half a million who have succeeded with Old Trusty Hatcher. Sold on trial. Book Free.



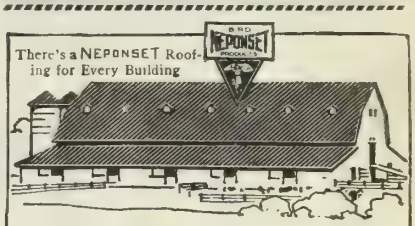
M. M. JOHNSON CO.
Clay Center, Neb.

WHY OWN WEBSTER'S NEW INTERNATIONAL DICTIONARY

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HERE'S why the owner of the biggest barn in Minnesota chose Neponset Paroid Roofing:

"Slowly made" roofings are the only kind that wear out slowly. You *can't* make good roofing quickly. Rush the manufacture and you get "patchy," uncertain products. Omit tests and inspections and you get roofing products quick to "run" in summer—quick to become brittle in winter—quick to start a leak—quick to wear out altogether.

Get "Neponset Roofings"—the "slowly made" kind. Nothing skipped. Nothing skimped. Every dollar's cost gives a dollar's worth of durability. Any one can easily lay them. They are the finest kind of insurance against repair bills—fire—and all roofing troubles.

Sold by dealers everywhere. Write for name of nearest dealer

Surely send for our Roof Book—Free

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Other Neponset Roofings are—Neponset Shingles for residences; Neponset Proslate, the colored roofing.

BIRD & SON (Est. 1795)
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Also makers of Neponset Wall Board, used in place of laths and plaster, and Neponset Waterproof and Building Paper

they began to make a nuisance of themselves and attacked a little brood of weaned chicks under the apple trees. The birds were frightened off before they had an opportunity to do much mischief, but they showed a disposition to be nasty to the chicks, and one chick was found with back and wings severely picked and bleeding.

* * *

There is nothing like a mess of fresh fish to appeal to the appetites of growing chicks. Fresh fish of any edible sort, from salt or fresh water, well scalded, makes a very desirable growing food, and may be fed as freely as one good meal daily, when obtainable. The little fellows certainly do clean them up. Some chicken growers in Plymouth county took advantage and made good use of the herring run while it lasted this spring. The chicks eat them up, meat, bones, scales and all, and cry for more.

* * *

A. P. A. voters have declared, by a vote of 554 to 31, that Rhode Island shall be retained as a part of the name of Rhode Island Reds. That is as it should be. Rhode Island Reds originated in Rhode Island, in fact, it can be said that they developed naturally from Rhode Island farm flocks, and some mighty fine specimens of the breed are to be found in our littlest state today. If only as a matter of sentiment, the name of the variety should continue as it is. The good American Plymouth Rocks haven't half as valid a title to their name, in fact, are not the breed that first bore the name in New England, and they certainly have very little association with the historic boulder in old Plymouth town. But we wouldn't change the name of the Plymouth Rocks for all that. We like Rhode Island Reds, Plymouth Rocks and Wyandottes, we like the names of these breeds, and would not care to see them changed. Of course, we nickname them; Americans will always do that with anything they like, but though we may refer to the breeds as Reds, Rocks and 'Dottes, we should protest loudly against any change in the standard names of these admirable fowl.

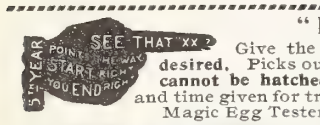
* * *

We are always amused by the elaborate contraptions that are invented and recommended for catching, herding and handling chicks and fowls. If one built or bought all the equipment said to be required, he sure would have one grand accumulation of junk. The pole and wire leg-hook is a convenience for catching birds, but if carelessly used may break or injure legs. Where the fowls are kept as tame as they should be it isn't much of a stunt to catch any bird desired. It only takes a little time to get the knack of it. Make no unconsidered, hasty or violent movements; don't rampage about and stir up the whole flock and have the air filled with fowls, feathers and dust. Quietly herd the flock into one corner of the pen without getting them excited and frightened. If a number of birds are to be caught, two light wire net frames can be used to pen the flock in the corner; place them quietly; don't slam them down or wave your arms about. When the flock is penned, you can sort them over at your ease. If only one bird is to be caught, make up your mind which one before you begin, and keep her in sight without staring at her until she is scared and nervous. Take things easy, make a favorable opportunity, and then size up the bird's next move; if you have a good eye, and a quick, steady hand, you can have her caught by the legs before she has time to get scared. It is merely a combination of good judgment, skill and prompt action. If you get excited the birds will.

* * *

Chickens are not difficult to herd and drive if you go about it right. Round them up by making a wide circle around them, get them headed where you want them to go, keep the flock together, and move up on them slowly, taking care not to get them fussed up, and they will go where you want them to. Last summer, with a boy to help, we drove a flock of fifty half-grown chicks across an unfenced five-acre field and housed them in a new home without any trouble. It takes a bit of patience and common sense and it is another case where undue haste makes waste.

If you have a flock of small chickens of any age that you want to drive into the brooder or brood coop, don't make a fuss and row about it. Simply stand at the far end of the coop and imitate the cry of a cock when he sees a hawk, or as near it as you can get. You'll get results at once, and the chicks will hike for the coop. If the distance is considerable, some may hunt other cover and lie close, but a low-voiced repetition of the call will usually start them home in a hurry. Don't be too strenuous about it, try to do it as does the cock or the



"NEVER TOO LATE TO MEND."

Give the wonderful Magic Egg Tester a trial. **Money back if desired.** Picks out the best eggs to set or incubate. **Rejects the eggs that cannot be hatched.** $2.00 each. Fully guaranteed. Write for circular and time given for trial. Also ask how to get it on the Rental Plan.
Magic Egg Tester Works, Dept. B Buffalo, N. Y., also Bridgeburg, Can.



Barred Plymouth Rocks

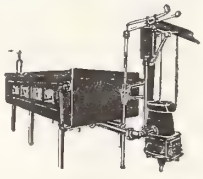
Eggs and Baby Chicks

We are now selling eggs from our prize winners of the Chicago, Indianapolis, Memphis, Louisville, Knoxville and Nashville shows at less than half price. They are the same eggs we sold this spring at our regular prices and they are from the same birds we are raising all of our own exhibition stock.

Eggs $1.00 per 15 $5.00 per 100

We also offer exceptionally low prices on our surplus breeding stock and as long as they last will sell our best breeders at the closest possible figures. If you are interested in fine Barred Plymouth Rocks, write us and we will send you one of the finest catalogues published of this breed. Write today for 40-page catalogue No. 3

POPE & POPE, Box A **Louisville, Ky.**



Capacities, 1200 to 20,100 Eggs
(Sectional Construction)

The Hall Mammoth Incubator hatches stronger chicks and more of them. Everywhere successful poultrymen are giving it special credit for their profits and progress.

Its unequalled results, the success of its users, and the high percentage of re-orders are responsible for its sales being larger than any other mammoth type.

The largest possible hatches of vigorous, healthy chicks are the rule. Some shrewd poultrymen advertise "Hall Hatched Chicks" because it is recognized that they grow into money quickest with the least trouble and expense.

The Hall is the original — it was a success in 1876. It has always kept ahead in achievement. Every improvement of practical value was originated by our engineers and poultry specialists.

About what size can you use? Do you want our useful literature? Write a letter giving details. Ask us to send our SERVICE SPECIALIST to help you get the right equipment and results— no charge — he may be in your section now, or later.

THE HALL MAMMOTH INCUBATOR CO.
132 Southern Avenue **Little Falls, N. Y.**

mother hen and you'll be surprised to see how easily you house your chicks. We work it on every brood and it always gets them in under cover when we want them there. Don't overdo it, just for fun, or it will be like the old story of the boy who cried, "Wolf, wolf," too often. There are a lot of other practical stunts that can be worked if you will take the time to study poultry language, the meaning of it, and then imitate the calls.

* * *

Fred W. C. Almy, of Tiverton-4-Corners, R. I., in a letter to the publishers, says:

"May issue, containing Dr. Woods' write-up, received, and I am much pleased. I also appreciate your promptness in getting your paper out. There is one point, however, in Dr. Woods' article that I would like corrected. He quotes me, from a report of a speech I made recently before the Farmers' Institute in Providence, as saying that last year I cleared $2,000 over family and all expenses. This is a big mistake, not on Dr. Woods' part, but of the paper that reported my speech. What I did say (in reply to a direct question) was that I had cleared $2,000 per year above all expenses on utility fowls alone. This was years back, before I got into the fancy so much. While I did not and will not say just what I am making now, I will say that in the month of March alone, this year, I cleared well over half of that amount. Will you kindly make that correction?"

We are very glad to make the correction and to have such assurance from Mr. Almy, personally, that he is doing so well. We know him too well to believe that he would in any way overstate his profits. While he does not state just how much he is making per year now, and evidently has no intention of so doing, it will interest our readers to learn, from his statement above, that Mr. Almy finds that a well-combined utility and fancy poultry business pays such a comfortable return for good management. Evidently there is more satisfaction in combining beauty and utility in poultry, as a life work, than in being Secretary of State and having to do Chautauqua circuits in order to get pin-money to buy grape juice.

* * *

Our benevolent Uncle Sam has discovered another way to lower the high cost of living. We are advised that half a pound of cheese costing 9 cents has a food value equal to 30 cents worth of beefsteak, or 40 cents worth of eggs, or 18 cents worth of milk. So, of course, we ought to learn to live on cheese and save money, no matter how it may affect our digestions and dispositions. The chemists and food specialists prove to us that the food value is there in calories, so why pamper the appetite when you can eat cheese, save money and die early? Some of us may not want to eat like mice and live a ratty life, but don't try to blame our benevolent government. Hasn't it said "cheese it" to the high cost of living and may we not live cheaper hereafter so that we will have more money wherewith to pay our ever-increasing taxes? It is said by statisticians that in 1893 about 85 per cent of the people were poor and that in 1913 about 96 per cent of the people were poor. Of course, from the viewpoint of the wealthy minority, that may mean progress. Still there has been quite some smoke in Colorado recently, and any man "with his ear to the ground" might hear a mighty rumbling of discontent with present conditions. "Cheese it," forsooth, what do you suppose would happen if the people took Uncle Sam seriously and began to create a greater demand for cheese by giving it a bigger place in the diet; would the price stay down? It would not! For years we've all been befoozled with reform movements that don't reform and investigations that only make bad matters worse, we have had remedies galore, but the cost of living has kept right on climbing. What are you going to do when about 4 per cent of the people have a corner on the

CLEVELAND'S S. C. BLACK MINORCAS

This season, three shows, winning in Lansing and Pontiac, Eastern Michigan Fair. Silver cup winners. Stock and eggs for sale. Write for circular. Eggs half price after May 10.

ELMER CLEVELAND - - - IMLAY CITY, MICH.

R. C. REDS

Eggs one-half price for the balance of the season from all our matings. Sale of breeding stock at 40 per cent discount till September 1st.

LONGFIELD POULTRY FARM, Box 321, BLUFFTON, INDIANA



Foxhurst Farm
Black Orpingtons

UNDISPUTED CHAMPIONS of the WORLD

Proved by our Madison Square Garden winnings for past 7 years. ANNUAL JUNE SALE of our Foundation stock, *breeding females* from best pens, also prize winners, cocks, hens, pens, trios at $5.00 to $25.00. One-quarter what they will cost in October. Shipped on approval, satisfaction guaranteed, and safe delivery.

Foxhurst Farm Lime Rock, Conn.

The New Buffalo Incubators and Brooders



bring repeat orders in four out of five sales. They don't disappoint—they do the work. They are the Great Repeat Order Equipment. Nutrum Feed, made on Nutrum Salts formula (the missing link in baby chick feeding) makes chicks live and grow as nothing else will. Make your own feed, save money and get results. Nutrum Salts makes Summer work profitable. Hatch right through the Summer and Fall, and get some of that big Winter money for tender roasting chickens. Send postal for circular.

Buffalo Incubator Co., Chas. A. Cyphers, Pres., 465 Dewitt St., Buffalo, N.Y.

100,000 Chicks

for June and July Delivery

All exhibition and special mated chicks go with utility stock at utility prices—Buy our "better hatched" chicks; they cost no more than ordinary stock; they are bred right, hatched right and shipped right. Sold at low prices because we hatch thousands while others hatch hundreds. Stock bred for vigor and laying qualities. Why pay higher prices for chicks that are inferior? Order direct from this ad to save time. A hatch each Tuesday. Price list on request.



S. C. *White Leghorns* in thousand lots a specialty. S. C. *Brown Leghorns, S. C. Buff Leghorns, Barred Rocks,* $3.00 for 25, $5.50 for 50, $10.00 for 100, $45.00 for 500. *White Rocks, S. C. Black Minorcas, S. C. R. I. Reds, R. C. R. I. Reds,* $3.50 for 25, $6.50 for 50, $12.50 for 100, $55.00 for 500. *White Orpingtons, Buff Orpingtons, White Wyandottes,* $3.75 for 25, $7.00 for 50, $13.50 for 100. *Mixed Broiler Chicks,* $8.00 for 100, $40.00 for 500. Orders filled promptly. Safe delivery guaranteed. Send postoffice order for full amount with order. Remember you will receive some of our 50-cent chicks in each lot you order. Mention American Poultry Journal.

The Co-Operative Breeding & Hatching Co., Box A, Tiro, Ohio

wealth of the country? Wonder if the A. P. A. Bulletin would consider this "worthy of a thought?"

* * *

On our trip through Ohio, Southern Indiana, Illinois and Missouri this spring, we were rather surprised to find so much corn unhusked still standing in the shock on so many farms. On some farms it had just been husked and was heaped in big golden piles, while the stover was being burned in big bonfires preparatory to plowing the fields. On other farms the stover was scattered in the pastures and fields for feeding the cattle. We examined some of this corn and a good deal of it was spoiled, presumably from the long exposure to winter storms in the moulding shocks. We saw acres and acres of this corn throughout our trip. It surely looks like wanton waste of good food and enormous loss. What is the reason? Why isn't the corn cured and cribbed? Why, with so much corn going to waste, was good corn scarce and high in price in the East all through last winter and still high this spring? Some of this field-spoiled corn is now finding its way into our Eastern markets, and it is not fit for cattle or poultry food. Why was it not saved when it was worth saving? Maybe this is "worthy of a thought."

* * *

Good corn is good food for poultry. Spoiled and diseased corn is poisonous. We always get good results with good corn and have never had any ill effects from feeding it heavily. We have seen many cases of the evil effects of feeding spoiled corn. It is at this season that a great deal of spoiled corn goes on sale at the feed dealers. Don't take any chances. Insist on having good corn and don't pay out your money for any other kind. In the Middle-West we saw a good deal of corn that was affected with green-heart, a parasitic disease of the corn germ that makes the corn poisonous and causes pellagra. We also saw a good deal of corn affected with smut (corn ergot) and a number of ailing fowls that appeared to be victims of corn-ergot poisoning. Corn-ergot directly attacks the reproductive organs. In the male fowl it causes first excitement, then congestion and impotence and death of tissue from prolonged arterial contraction in the capillary blood-vessels. In cases of slow poisoning inflamed and grangrenous testicles have been noted. In the females it causes congestion and abnormal functioning of the ovaries and oviduct. The hens lay soft-shelled eggs and eggs without shells. There are hemorrhages from the veins of ovaries, oviduct, lungs, bowels, or in any part of body. The ovaries show evidence of congestion, degeneration (the "partly cooked" appearance noted in some post mortems where there has been bacterial infection) and even gangrene. The oviduct loses its tone and is easily ruptured. There is often peritonitis with a great deal of fluid and this frequently is purulent. The poisoning with corn-smut so affects the reproductive organs that they become easily susceptible to bacterial infection. There is grave and great danger in corn affected with the smut disease. The corn-smut is most active when ripe and fresh, but (while much of it is rendered inert by age and exposure to frost) there is always plenty of it that is dangerously active as a poison at any time. These two different diseases of corn are what make the use of cheap or damaged corn dangerous. Good corn is safe. Feed only good, sound, wholesome corn.

* * *

Lately we have been much interested in some tests in cleaning grains. The best grain obtainable in the market was put through a cleaning machine and the amount of dust, dirt and filth removed from it was astonishing. That this dirt from cleaned grain contains much poisonous material and dangerous micro-organisms cannot well be disputed. It would pay poultry keepers to insist that their feed dealers and millers supply cleaned grain. A hand or power cleaning outfit does not cost a great deal. Uncle Sam ought to insist on clean and pure feedstuffs for farm animals and poultry. Cleaner and more wholesome grain foods would help to put a stop to diseases of horses, cattle, swine, poultry and pigeons. We should hear less about "blind staggers," abortion, diarrhoeas and cholera, and mysterious epidemics among poultry and pigeons if there was a good, wholesome clean-up of our stock feeds. We believe that this subject, too, is "worthy of a thought."

———o———

Editor American Poultry Journal:

Dear Sir:—A number of our prominent poultry journals have recently been publishing lengthy articles concerning

Demgar's S. C. White Orpingtons

Winners at New York State Fair, etc.

SPECIAL JUNE SALE—NOTE PRICES

We offer selected breeders from our own matings at $2.50 and $5.00 each. Also choice cockerels and pullets now weighing over 4 pounds. Write us your wants. EGGS reduced from June 1st to $2.50 and $1.25 per 15. June is the month to hatch winners. We please our customers and will satisfy you. Write today.

ASHOKAN WHITE ORPINGTON YARDS, Mr. and Mrs. P. A. Demgar, Props., BROWN STATION, N. Y.



Quality Bred-To-Lay Single Comb

White Leghorns Exclusively

SPECIAL FOR JUNE

Chicks—Big, husky, vigorous fellows at 9c each. Eggs 75c per 15, $4.00 per 100, $35 per 1,000. (All chicks and eggs are from mature hens only.) Catalogue free if you mention this paper.

THE ELLIOTT POULTRY FARM, R. 7, Mansfield, Ohio

"PREMIER" PARTRIDGE WYANDOTTES

500 January and February hatched cockerels and pullets making unusually fine growth and soon ready to win the blue ribbons at the Fall shows. The "Premier" strain, originated by Sheffield Farm, has won more prizes than any other strain of Partridge Wyandottes in the world. Get started right with this great Utility and Beauty breed. **EGGS FOR HATCHING. BABY CHICKS. SEND FOR CATALOG.**

SHEFFIELD FARM H. B. Hark, Mgr. Poultry Dept. **GLENDALE, OHIO**

Silver Campines

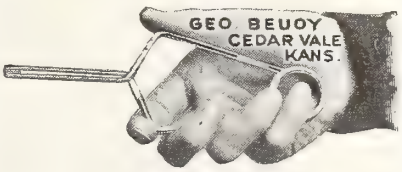
As I have now hundreds of chicks hatched and will continue to hatch till August I have decided to offer eggs at half-price, or $2.50 per 15, $4.50 per 30, from my Special Matings containing my prize-winners. My "American Beauty Strain" is the product of Crystal Palace winners, thoroughly acclimated and bred to the American Standard.

When writing please state exactly what you want, stock or eggs, number and quality. Year old birds, $2.00 each for utility, and $5.00 each for high-class breeders. Circular free.

CHAS. A. SIMMONDS : CAMP POINT, ILLINOIS

What's a CAPON, and Why?

George Beuoy's New CAPON book explains. Tells all you want to know about capons. Sixty pages, 40 halftone pictures from life. Shows each step in the operation in detail. Full and complete easy to use directions. Copyrighted new and revised second edition. One copy for a short time only prepaid for



Automatic Remover. (Patented. No extra charge on that account.)

A DIME—TEN Cents. If you haven't got a dime, send a Two Cent Stamp and get the book anyway. The regular price is fifty cents.

$3.50 for a set of Capon Tools exactly like I use myself. The Automatic Safe Set No. 10 and the book mentioned above free if your order is received at once. If not satisfactory return and I will refund. If you prefer I will send them C. O. D. parcel post and you can just pay the mail man for them.

GEORGE BEUOY, R. F. D. No. 7 CEDAR VALE, KANSAS

the advisability of placing the name of the exhibitor on the coops at our shows, prior to the judging, and it has, no doubt, set a great many of our show managers to thinking and considering the subject. These articles, as far as I have been able to learn, have been contributed by some judge or editor, and deal with the subject as being a very desirable feature to be adopted by all show managements. Theoretically, I agree that the custom would be very desirable in a great many respects, but I am going to recite for your approval, or disapproval, one or two phases of the plan, which I think have been overlooked in the articles brought to my attention. The authors of these articles compare our poultry shows with the horse shows, the cattle shows and the dog shows; now that is where the whole plan is at fault, in my mind. The judging at all the above-mentioned shows is done in the open, so to speak; the animal to be judged is led out before the audience and the points of excellence or disqualifications pointed out, and with men looking on as well posted and as capable of judging as he himself, a judge would indeed have to be "some crooked," and have some nerve to slip one over under such conditions. If poultry could be judged in the open, as these other animals are, an entirely different light would be thrown on the proposition. I should like to see poultry judged before an audience, but would it be practical. Such a system would necessitate the employment of at least twice the number of judges, and thus add greatly to the expense, to say nothing about the dissatisfaction of the exhibitors, because of the delay in getting the awards placed.

There is one way to treat this whole subject, provided that the public is clamoring for any decided change, that is, to use the explanatory score card system on every bird in the show, and we all know that such a system, while being without doubt the most equitable, is altogether too slow to be adopted by any management except at the very small shows. Personally, I do not think there is any urgent need of starting a great reform movement in regard to the judging at our poultry shows. The judges who have been, or who have appeared to be crooked in the past, are pretty well known, and no show management would for one minute consider any judge who had failed to give perfect satisfaction at the various shows where he had judged. I do think it would be very pleasing to the patrons and to a large majority of the exhibitors, to have the name of the exhibitor placed on the coops. Of course the show management would not welcome such a system, as it would incur a great amount of extra work and would deprive the management of one of its principal sources of revenue, namely, the sale of the catalogue. We all agree that our greatest asset as a poultry club, staging a poultry show, is to obtain and hold the approval and moral and financial support of the people in our vicinity, and this can only be accomplished by running our shows absolutely on the square, and employing only such men as judges who are well-known to be fearless and honest, and eliminate every semblance of unfairness. In conclusion, I ask, will the people in general who attend these poultry shows feel that they are run and judged on the square if they know that the judge has, behind closed doors, placed the awards, knowing the owner of each bird, or would they feel that a pretty raw deal had been handed to them?

H. C. Lapham, President.

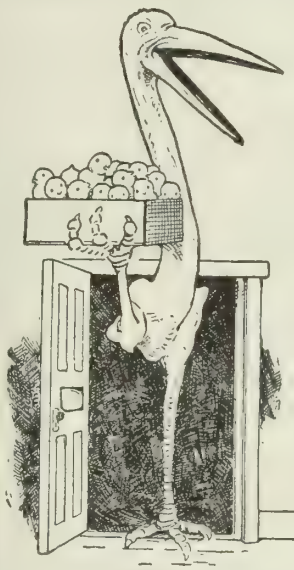
Springfield, Mass.

SOMETHING DOING IN REDS.

THE Red breeders from Maine to California and from Northern Canada to the Gulf should keep their eyes on the Great Chicago Show for 1914. There will be the greatest list of cash specials offered at this exhibition that was ever listed at any show in America. Mr. A. G. Studier, Editor of the Rhode Island Red Journal at Waverly, Iowa, is busy now working up a $1,000 cash list. This will be offered on the two varieties of Reds and prizes run down to eighth or tenth places, so that even an eighth prize bird will win back double its entry fee. Mr. Aaron Fell of Perrysville, Pa., Secretary of the Red Breeders' Club of the World, will offer some $200 in cash, besides the club cup and ribbons; and the Association intends to offer some $300 on each variety. In fact, the grand total of cash specials that will be offered on Reds—Single and Rose Combs—at the next Chicago Show will total close to the $2,000 mark.

Now, let every Red Breeder in America get in touch with Mr. Studier or Mr. Fell at once. They will be pleased to give you full particulars in regard to these specials. Don't delay. You are interested in your breed and every dollar that is offered will be paid back to you at Chicago, December 11-16, 1914. In writing to either of the parties named, don't fail to give a list of other Rhode Island Red breeders in your immediate vicinity, and be sure to send your name and address so that you may be properly registered for premium list for the Great Coliseum Show. For premium list address

Indianapolis, Ind. Theo. Hewes.



CHICKS

LUSTY VIGOROUS DAY OLD

Well Bred — Farm Raised — Sure to Grow

FULL COUNT SAFE ARRIVAL GUARANTEED

You take no chances. We cull them carefully. We mate them right. We hatch them right.

23 Years' Experience in Operating Incubators

Exhibition matings, Bred-to-lay matings and Utility matings. If you want quality, vigor and efficient service, write today for free catalog. If you are in a hurry for pure bred utility stock, order direct.

	25	50	100	500
S. C. Brown Leghorns	$2.50	$4.75	$ 9.00	$42.00
S. C. Buff Leghorns	3.00	5.50	10.00	45.00
S. C. White Leghorns	3.00	5.50	10.00	45.00
Barred Rocks	3.75	5.25	10.00	45.00
White Rocks	3.25	6.25	12.00	60.00
Reds (both combs)	3.25	6.25	12.00	55.00
Buff Orpingtons	3.75	7.00	13.50	67.00
White Orpingtons	3.75	7.25	14.00	70.00

TRY ONE OF OUR 50-CHICK FIRELESS BROODERS $2.00

TIFFIN POULTRY FARMS & HATCHERY

DEPT. A TIFFIN, OHIO

Remember that

Russell Cave White Orpingtons

Layed more eggs than any other pen of Orpingtons, all varieties competing, at the Missouri National Egg-laying contest, besides winning the cup for the greatest number of eggs during the month of February, against all breeds.

My Winnings This Year Are As Follows:

The Great Hagerstown Fair—1st and 3rd Hen, 1st and 2nd Cockerel, 1st and 3rd Pullet, 1st Pen—no cock shown—special for the best hen in the show.

Augusta Poultry Show—1st and 2nd Hen, 1st and 2nd Cockerel, 3d, 4th and 5th Pullet, 1st Pen and specials.

Eggs Half Price—$7.50, $5, $2.50, from greatest of all matings

RUSSELL CAVE POULTRY YARDS

Address Louis Lee Haggin, Prop., Route 3, P. O. Box 1025, Lexington, Kentucky

THE OFFICIAL RETURNS.

American Poultry Association Annual Election, A. D. 1914.

President—E. B. Thompson, Amenia, New York 2,376
First Vice-President—Joseph Russell, Toronto, Can..... 2,329



S. T. Campbell, Mansfield, Ohio, re-elected Secretary of the American Poultry Association for 1914-15.

Second Vice-President—A. A. Peters, Denver, Colo..... 2,313
Secretary—S. T. Campbell, Mansfield, Ohio..... 2,273
Secretary—M. A. Northup, Orangeburg, N. Y..... 166
Members of Executive Board—
A. C. Hawkins, Lancaster, Mass... 1,217
Henry Steinmesch, St. Louis, Mo.. 1,048
Earl Hemenway, South Haven, Mich. 833
N. R. Nye, Leavenworth, Kan.... 686
Chas. McCaffree, Howard, S. D.... 652



Henry Steinmesch, St. Louis, Mo., newly elected member of the Executive Board of the American Poultry Association.

C. M. Bryant, Boston, Mass..... 580
S. J. Hopper, Dallas, Texas..... 540
Richard Oke, London, Ontario..... 487
William Coats, Vancouver, B. C... 270
M. F. Schultes, Bartlett, Tenn..... 236
R. E. Bruce, New Orleans, La..... 235
J. M. Parker, Creston, Mont..... 178



E. B. Thompson, Amenia, N. Y., re-elected President of the American Poultry Association for 1914-15.

Time of Holding 39th Annual Meeting—
Second week of August, 9-15..... 2,279
Fourth week of August, 23-29..... 247
Third week of August, 16-22.... 224
First week of August, 2-8..... 189
Place of Holding 39th Annual Meeting—
Chicago, Ill. 980
Detroit, Mich..... 841
Washington, D. C..... 203
Indianapolis, Ind..... 180
Houston, Texas..... 136
Not to change the name of Rhode Island Reds..... 554
To change the name of Rhode Island Reds..... 31

O. L. McCord, Election Commissioner, 929-30 Jefferson Bldg., Peoria, Ill.
May 5, 1914.

EVERYBODY COME TO CHICAGO.

AFTER a hard-fought battle, Chicago finally won the next annual convention of the American Poultry Association, and is now working hard making preparations to entertain the members of the American Poultry Association next August. It is desired to make this convention the largest and most enthusiastic one ever held in the history of the A. P. A., and the Chicago Poultry Society and the Chicago Association of Commerce have prepared a pleasure program that should interest and entertain all the members and their wives. Yes, the ladies should also come for they will be royally entertained by the local members' wives of the A. P. A.



A. C. Hawkins, Lancaster, Mass., newly elected member of the Executive Board of the American Poultry Association.



Arthur A. Peters, Denver, Colo, re-elected Second Vice-President of the American Poultry Association for 1914-15.

Now, boys, get ready to lay your plans to go to Chicago next August and and also help to show the world that our billion-dollar poultry industry is really what we say it is—the largest live stock industry in the world.

The following is the proposed program, subject, however, to some slight changes as future exigencies may demand:



Earl Hemenway, South Haven, Mich., re-elected a member of the Executive Board of the American Poultry Association for another three years.

Proposed Program.

Thirty-ninth annual meeting of the American Poultry Association, Chicago, Ill, August 8 to 15, 1914.

Headquarters, Hotel Sherman, Chicago, Ill.

All meetings of the association will

be held in the Hotel Sherman, and will be open not only to the members of the American Poultry Association, but to the public generally.

Saturday, August 8th, 9:00 A. M.

Meeting of the Executive Board, in the rooms of the Hotel Sherman. Sessions of the Executive Board will be held afternoon and evening.

Sunday, August 9, 1914.

Ladies entertained at Art Institute.

Monday, August 10, 1914.

Meetings of the Executive Board will be held morning, afternoon and evening.

11:00 a. m.—Trip to U. S. Yards.

3:00 p. m.—Ball game, Brooklyn and Chicago Feds.

8:00 p. m.—Reception, Hotel Sherman.

Tuesday, August 11, 1914, 9:00 A. M.

Thirty-ninth annual meeting called to order by the President.

Address of welcome by Governor Dunne.

Address of welcome by Mayor Harrison.

Address of welcome by President Association of Commerce.

Response by E. B. Thompson, President of the American Poultry Association.

Roll call of members by states.

Approval of minutes of last meeting.

Report of Election Commissioner.

Election of Board of Review.

Appointment of Committee on Credentials. (All credentials must be in the hands of the Secretary before opening roll call.)

Report of Executive Board on applications for membership, and charters granted to branches; annual report and recommendations. (All reports open for discussion as soon as made, and motions to carry their recommendations into effect.)

1:30 p. m.—Report of Board of Review, under suspension rules.

Report of Committee on Credentials.

Branch reports. (All reports must be in writing, signed by the Branch President and Secretary of the association before reports from each state are called for. No verbal reports or comments will be allowed.)

Report of Committee on Bureau of Lectures; W. Theo. Wittman, Chairman.

Report of Committee on Education and Experimentation; Prof. James E. Rice, Chairman.

Report of Committee on Plymouth Rock Breed Standard; Arthur C. Smith, Chairman.

Adjournment.

7:30 p. m.—Poultry Institute in Convention Hall.

Moving pictures by L. A. Stahmer, artist, American Poultry Journal, and D. E. Hale, editor, Successful Poultry Journal.

Lecture by A. G. Phillips.

Lecture by Prof. Halpin.

8:30 p. m.—Reception for visiting ladies by ladies of Chicago Poultry Society, in ladies' parlor, Hotel Sherman.

8:30 p. m.—Stag smoker for visiting men by men of Chicago Poultry Society, in convention hall, Hotel Sherman.

Wednesday, August 12, 1914.

9:00 a. m.—Business.

10:00 a. m.—Ladies meet at Hotel Sherman and proceed to Marshall Field & Co.'s store, where they will be entertained at luncheon at noon.

1:30 p. m.—Business.

2:00 p. m.—Auto ride to Jackson park and Field Columbian museum.

8:00 p. m.—A free boat ride on S. S. Roosevelt to see panoramic view of Chicago by night from the lake.

8:00 p. m.—Poultry Institute, exboard room.

R. C. Lawry.

W. A. Lippincott.

Thursday, August 13, 1914.

9:00 a. m.—Business.

1:30 p. m.—Business.

8:00 p. m.—Organized trip to White City or Riverview pleasure parks.

Friday, August 14, 1914.

9:00 a. m.—Business.

1:30 p. m.—Business.

In addition many other pleasure features will be offered to visiting guests. Boat trips to Lincoln park zoo, free bathing at Lincoln park and other beaches, and free admission tickets will be furnished to many other places of amusement.

ZIMMERMAN'S R. C. REDS

Won at Cleveland January, 1914, 1st cock and color special, 2d and 3d pullet and 5th hen. Eggs at half price. This year's breeding pens for sale at reduced prices. Stock sold on approval. **W. F. ZIMMERMAN, Willoughby, Ohio**

WHITE ROCKS AND WHITE WYANDOTTES

The Blue Ribbon Winners at New York, Boston, Chicago, Baltimore and leading shows of the country.

EGGS AT REDUCED PRICES. WRITE YOUR WANTS TO

STRATFORD FARMS, W. R. Graves, Mgr. Poultry Dept., ROSELLE, ILLINOIS

A Sacrifice Sale of Wyandottes

I offer several hundred head of fine birds out of my this season's matings at much less than half price for quick sale, in Golden, Silver and White Wyandottes, containing large numbers of the very finest show birds; also 100 grand cock birds—a chance to get this fine stock at a price seldom met with. These birds are all bred from my New York and other great show winners, and line bred for 30 years. Don't miss this sale. Eggs now at $1.50 and $2.50 per setting, also Golden Sebrights. Our large circular is free.

IRA C. KELLER Brookside Farm, Box 75 PROSPECT, OHIO

Golden GENSEMER BROS. CAMPINES Silver

Have been winners at America's greatest shows. Eggs from the best blood lines in the world at $3.00; two settings for $5.00.

Trios, $5.00 to $15.00 Pens, $8.00 to $20.00
Cockerels, $3.00 to $10.00 Pullets, $2.00 to $5.00

GENSEMER BROS., 161 Main St., CRESTON, OHIO

Important Sale of Blue Orpingtons, Barred Rocks

NEW YORK, BOSTON AND CHICAGO FIRST PRIZE WINNERS

As I am reducing my flock on account of my business interests, send for catalogue with prices. Such an opportunity has never been offered before. Don't miss this chance to get into the front rank.

HALDIE NICHOLSON LEOMINSTER, MASS.

Baby Chix 10c Baby Dux 15c

White Leghorns, R. I. Reds, White Wyandottes and White Plymouth Rocks. American Fawn, Penciled English, White Runner and Pekin Dux.

Niagara Celebrated Early Maturing Strains. None Better.

Eggs for Hatching Cheap. White Guinea Eggs, $2 per 15

BREEDERS

NIAGARA FARMS

W. R. CURTISS & CO. RANSOMVILLE, N. Y.



Hotel Waste and Commercial Beef Scrap.

Q. Are such meat scraps, cooked and perhaps seasoned, as come from hotels and restaurants good for fowls and chickens? Will they serve the same purpose as raw bone meal and beef scraps so extensively advocated in poultry journals? F. G. H.

Saunemin, Ill.

A. Some poultry plants and piggeries use such waste. It should be fresh gathered often and not allowed to spoil. For poultry it will be generally necessary to sort such waste, as usually there is too much salted and fat meat in it. A good way to prepare waste meat of this sort is to cook same thoroughly, run through a cutter (grind up, bones and all, quite fine), then put on to boil again and season with salt (if required), black pepper and sage leaves. Keep well covered with water and skim off excess fat. Save the fat. Boil for five or six hours. While boiling, stir in good yellow corn meal gradually until the whole mass becomes thick like dough. Keep well stirred to prevent burning. When thoroughly cooked, pack hot in clean wooden butter tubs or stone jars. Pound it down well and then pour a thick coat of hot melted fat over the top. If stored in a cool, dry place this prepared meat food will keep sweet several weeks even in summer. Protect from flies and do not use spoiled or tainted meat. This makes a good beef scrap substitute. Scalded fresh fish are also good, but should not be fed too heavily to layers producing market eggs. Fresh killed game like woodchuck and rabbits can be fed to poultry to advantage when abundant. Best results are obtained when the meat is cooked and ground up, bones and all.

The granulated raw bone recommended for chickens is not green cut bone. It is raw bone, ground and kiln dried specially for feeding purposes. It is difficult to get good beef scrap for poultry feeding. The demand has been so much greater than the supply that unscrupulous manufacturers have adulterated the scraps with fertilizing materials, all sorts of diseased and dead animals, tankage and other waste fertilizer material from rendering works and soap factories. Some scraps have been found to contain preservatives and sufficient salt to be injurious to poultry. Some have shown, on analysis, contained arsenic and strychnine. Much of the common commercial scraps contain fine-cut bits of hide, hair, wool, bristles and other foreign matter injurious to poultry. We have generally been fortunate enough to secure good scraps, but we buy only by sample and insist on getting what we want. Unquestionably a lot of the scraps sold to poultrymen are not fit for poultry food and sometimes cause disease and loss. We believe that a poultryman could recover heavy damages from the dealer and from the scrap manufacturer if he would bring suit in cases where he sustains losses from unfit beef scraps, and he might be able to get his State Experiment Station and the United States Department of Agriculture to take hold of the work of investigating such unwholesome foodstuffs. There is no doubt that a lot of useful work could be done investigating commercial poultry foods and particularly beef scrap.

Duck Ration.

Q. I have been repeatedly told by the local poultry raisers, who know nothing about balancing rations, that the duck food, for which I give formula below, is not properly balanced. I will appreciate it if you will criticize it

French's Poultry Mustard

Not a Table Condiment, But Made From the Choicest Imported Mustard Seeds. For Use With Poultry, and Prepared to Produce the Most Excellent Results. The Original Poultry Mustard in America! Don't Accept Counterfeits!

Recommended by Poultrymen. Used by the largest fanciers in the United States. See testimonials from such noted breeders as Haldie Nicholson. Edward Corning of Bound Brook, N. J., E. B. Thompson, the President of the American Poultry Association, and the largest poultry and egg producers in the United States.

32-page booklet of Ralph Allen's experiments in England, together with other articles upon the subject of Mustard for Poultry sent free. Write without stamp to **THE R. T. FRENCH COMPANY, Department A, Rochester, N. Y.**



MISS CAREY *EXPORTER*

PONIES - - - from **$200** DOGS, all breeds - - from **$60**
SHOW BIRDS - from **15** EGGS per sitting - from **5**

ALL VARIETIES OF WATERFOWL, PIGEONS, FANCY FOWL SUPPLIED TO ORDER

Utility or exhibition poultry or duck farms stocked on profitable lines; advice on management free. Contracts accepted for teams to exhibit at any show or for private collection of birds in any specified color or breeds. International collections of feathered fowl from all or any one country.

Ten years ago the business commenced in a tiny yard on the East Coast of Lincolnshire, England, today I hold with a varied export trade all over the world with head offices in one of London's principal thoroughfares from where the trade can be more promptly dealt with, and have probably shipped more winners of the blue to America during the last four years than the majority of the other breeders put together. Our method is to give full value for money and win satisfied customers. I have now in some breeds a greater demand than can be supplied and importers are advised to inquire early. 1914 show birds will be ready from August onwards, only address

TOYNTON, SPILSBY, ENGLAND **Cable—Carey, Spilbys**

and suggest a better one. My ducks lay as well as I could expect and look healthy:

Two pecks of corn meal.
Two pecks of wheat bran.
Two pecks of red dog flour.
One and one-half pecks of alfalfa meal.
One and one-half pecks of beef scrap.
Two pounds of fine charcoal.

This is given to the ducks morning and evening. The midday meal is cracked corn. The only objection I see to it is that it is hard to mix. If little water is added it gets lumpy, and if more is added it becomes the consistency of putty. W. L. G.



DON'T let your chickens belong to the "I Didn't" class. USE

Mundee's Lightning Roup Remedy

The remedy that hits the spot and cures the bird. Used by the world's best breeders. Two sizes, **50c** and **$1.00** a bottle. Write for folder.

W. J. MUNDEE, Libertyville, Ill.

Knowledge vs. Prejudice

Oculum users know. They say **Oculum** cures for them Cholera, Roup, White Diarrhoea, Gapes, Blackhead and Leg Weakness; puts ¼ to 1½ pounds extra flesh on chickens; promotes health and increases egg yield.

The prejudiced, **who have not used it, and who know not,** say it's impossible.

U. R. Fishel, Treasurer American Poultry Association, says he would not do without **Oculum** if it cost **five** times what it does. Has he knowledge or is he prejudiced?

Dealers 50c and $1.00 per bottle. Do you want to know? Then, send a dime (postage) and get either size you wish. **Try it and know.** Send balance if O. K. Testimonials from your state **free.**

Agents Wanted!

H. I. CO., Box B, Salem, Virginia

JOE-PYE Orpingtons

Bargains

In single birds, pens and trios of my best blood lines.

Single Birds from . . $3. up.
Pens and Trios from $10. up.

Satisfaction guaranteed or money refunded.

Send for illustrated mating list free.

JOE-PYE ORPINGTON FARM
HARRY STACEY BENTON, Owner
R. F. D. 5, SO. NORWALK, CONN.

A. Why pay any attention to what neighbors say when you are getting results that are satisfactory to yourself? We have always noticed, in the poultry business, that visitors and neighbors can ever furnish abundant advice as to how one should run his business and what he ought to do, ought not to do, etc., ad libitum. If we heeded all gratuitous advice offered by visitors, we would either be in the poor house or an asylum. The only safe way is to let such advice run in one ear and out the other, and if, by chance, a useful or practical suggestion should accidentally come along, you can screen it out and preserve for future use.

If your mash is lumpy and putty-like, it is probable that you have a little too much red dog flour in it. This ingredient varies so in quality that it is difficult to fix the exact amount desirable. You can get at it best by using just enough red dog flour, after you wet up the balance of the mash mixture, to just comfortably stick the mash together so that it will ball up in the hand. After you get the right proportion you can mix all your ingredients dry. Put the proper amount or water in your mixing trough, then add the dry mixture and work it up with a flat shovel. Unless you have a power mixer that is the easiest way. We would keep the charcoal before the birds in a box and would not mix it in the mash. When you are getting satisfactory results from a ration, don't make radical changes in it without good and sufficient reason for so doing. This is a big country and local conditions vary a whole lot in different sections. Commercial feedstuffs, even when sold under the same names, are liable to vary a whole lot in quality and makeup. Results are what you are after and the method that yields the desired results is the one to tie to, no matter how the presumed "balance" figures out on paper. There are wide variations in the analysis of the same feedstuffs.

Diagnosis Wanted.

Q. Kindly tell me name of disease and cause and prevention. My poultry hold their bodies tilted forward and tail very high when moving. When still their tails droop. They step as if it hurt them. I found yellow crusts on inside of thighs. C. D. C.

Grand Rapids, Mich.

A. It is, of course, possible that you have some infectious intestinal disease affecting your flock, but that could only be determined by careful study of the birds themselves. We think it much more probable that you have been using kerosene or liquid lice killers carelessly and that your birds have been blistered on soft parts of breast and inside of thighs; that would account for the position, the walk and the yellow crusts.

Watch Dog for Poultrymen.

Q. What kind of dog would you recommend for watch purposes on a poultry plant? W. J. G.

Sisseton, S. D.

A. Either a good Airedale Terrier or a Collie. The Collie can be trained to round up the birds and make itself generally useful. Our chief objection to them is their very affectionate disposition, the tendency to be anybody's dog for the sake of a petting, the liability to run away and visit for days at a time. If kept on a chain and trolley wire they make fine watch dogs and owing to their quick, nervous snapping

Read about American Poultry Book page 907



DIRK'S RED MITE KILLER

Mites cannot breed or harbor where it is used. One application each year does the work. Write for special trial price.

M. E. DIRK
Box 102 North Baltimore, Ohio

WHITING'S WHITE DIARRHOEA REMEDY

CURES AND PREVENTS
White Diarrhoea, Chicken Cholera and Bowel Trouble
and makes your chicks
Grow Faster, Stronger, Larger

All poultrymen, except those who use Whiting's Remedy, know they never raise more than half the chicks they hatch—White Diarrhoea kills them. We guarantee Whiting's White Diarrhoea Remedy will enable you to raise practically every normal chick hatched.

One 50c bottle treats 150 chicks and saves the 50 per cent of them that you have been losing right straight along.

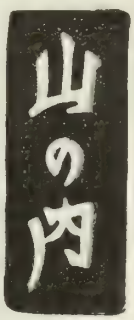
Get a bottle of Whiting's White Diarrhoea Remedy today. Biggest breeders depend upon it. 50c and $1 a bottle.

Whiting's Roupene cures Roup, Canker, Diphtheritic Roup, Sorehead, Limberneck, Colds, Pip, and leaves no bad after effects. No quarantine necessary. **50c & $1.**

Whiting's Remedies are sold by dealers or mailed by us on receipt of price.

New Book FREE—Write for it today.

O. K. CO., Dept. 39, 157 Water St., NEW YORK



Yama Farms

OUR summer sale offerings include many of our New York State Fair winners, and the males heading the following pens of our 1914 matings. If you have not already received a copy of this mating list accurately describing these males we will mail you one upon request.

MINORCAS
Pens 2, 7, 10

BARRED ROCKS
Pens 16, 17, 18, 18½, 19

In addition to these males, we have the finest, most uniform lot of males we have ever offered to the public, at summer prices. Every one sold on a money back guarantee. Write for a complete list of the birds we have to offer. Description, show record, and untouched photographs of many of them will be sent to those interested.

Yama Farms
Napanoch, New York

Ward's Champion Dark Cornish

Many Cornish fanciers did the LOGICAL thing. They bought the best this spring. They bought of Ward. John W. Ward, Jr., Box 7, Pennington, N. J.

FOGG'S S. C. WHITE LEGHORNS

Get our special summer prices on eggs for hatching, breeding birds and young stock. We guarantee satisfaction. Write us your wants. Mention A. P. J.
N. V. FOGG Box R Mt. Sterling, Ky.

MUNTZ'S WHITE LEGHORNS

Winners at Coliseum, Chicago, State Fair and Elgin. Eggs and stock at reasonable prices. Send for mating list. H. A. Muntz, 565 Spring St., Elgin, Ill.

"AFTER a prosperous season, we wish to thank our many customers for their very liberal patronage.

Oaklands Farm
R. D. 4, Trenton Jct., N. J.

WOOLERY FARM White Orpingtons

Eggs half price from Chicago, Indianapolis, Cincinnati, Columbus, Ga., Ind. and Ill. State Fair winners. New catalogue free.

RALPH WOOLERY, Mgr.
Box A Bloomington, Ind.

NIXON'S WHITE WYANDOTTES

Special sale of breeders June first. Some of the finest birds ever offered at about half price. Eggs half price. Young stock for the early Fairs. If you wish to win, let us talk it over at once.

CHAS. NIXON, Judge and Breeder
Box 202 Washington, N. J.

Hilldorfer Blk. Minorca
BREEDERS FOR SALE

1000 choice birds to sell of my best breeding lines. Write for prices on wants. Mention A. P. J.

J. P. Hilldorfer, Saxonburg, Butler Co., Pa.



Hobbs' Buff Minorcas

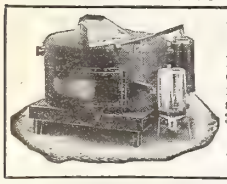
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For sale 27 Golden Females, 2 Hen-Feathered Males and the same in Silvers. In Leghorns I offer 150 breeders of good quality at prices that will move them quick. Am able to fill egg and day-old chick orders in Leghorns this month at reasonable prices. Write me mentioning American Poultry Journal.

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THE "AXFORD"

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The Kind That's Different

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F. A. Marshall, 203 Bancroft Ave., Reading, Mass.

a thief will think twice before tackling one.

As a farm watch dog, however, we like a good Airedale Terrier best. In our experience Airedales are apt to prove a "one-man dog" and know only one master. In a watch dog that is a mighty fine trait. They have wonderful endurance and courage. Are fine killers of rats, skunks and other troublesome pests, and they can be taught to let the poultry alone. The Airedale can be taught the bounds of your farm and to stay within bounds, and he is not likely to permit strangers to handle or move anything on the place. We have found them gentle with children, very intelligent and obedient, but supplied with abundant watch-dog qualities and apt to be a bit savage with trespassers, though seldom noticing anyone outside farm bounds. We had an amusing experience with our Airedale a couple of years ago. A lumberman delivering a load of boards at our place had a few floor boards for another party on top of his load and threw these off first in a pile by themselves before landing our lumber. When he started to put the floor boards back on the wagon our Airedale objected and crouched on the pile with a low growl and an ugly showing of teeth. The man indulged in a flow of unprintable language, but he didn't touch the boards or induce the dog to move until we came up and called him off. Then the man said: "I'd like to buy that —— —— homely cuss; he's worth havin'." But we didn't care to sell, and though the Airedale has been shot, clubbed and half killed twice, he still remains a good watch dog of the stay-at-home kind.

Loss of Feathers on Heads.

Q. I have sixty Rhode Island Reds that have some trouble on top of heads; all the feathers seem to come out. What is cause and remedy? R. C. W.
Long Branch, N. J.

A. The most common cause is lack of sufficient fresh green food. Get the birds on open range where they can have plenty of succulent green pasturage. Grease the heads and around the vent with a little sulphur ointment as an additional remedy in case mites and lice are partly responsible.

A Disease Experiment Stations Should Investigate.

From many parts of the Middle and Southwest we have had reports this Spring of a "new poultry disease" which in some sections appears to be epidemic. It is commonly fatal and the symptoms suggest poisoning with diseased corn and possibly followed by specific infection after the poisoning has broken down normal resistance and made conditions favorable for development of infectious disease. That there is abundant work and opportunity for a good, capable bacteriologist, who isn't wedded to one particular germ, to investigate poultry diseases cannot be questioned.

This disease usually attacks good layers and good feeders. The symptoms commonly noticed at first are roughened plumage, dumpy appearance with head and neck drawn in on body. There may or may not be paralysis of neck muscles. Neck may be partly limp and head drooped or may be twisted and head drawn back on body. (These are common symptoms of abdominal irritation.) Comb and face pale. Legs



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shrunken. Fever. Eyes may show contraction or dilatation of pupils, sometimes irregular. Vision seems to be impaired or distorted. Hen walks with tottering, wabbly gait as if sore and weak. May pitch forward or backward and may droop wings in effort to support balance. Evident vertigo. Trembling of body common. May or may not be looseness of bowels with watery droppings or pasty dark green stools with considerable white. Generally lays fairly well until first symptoms are noticed. Usually toward last of laying lays soft-shelled eggs or eggs without shells. Fowl acts as if in great discomfort or pain. Uneasiness. Difficult breathing. Left side of abdomen frequently very full and tender to touch.

Post mortem reveals contraction of arterial capillary blood vessels, especially in reproductive organs, apparently to the point of death of tissue. Commonly venous congestion of liver, ovaries, testicles, oviduct and of lymphatic glands. Not uncommonly venous hemorrhage of liver, oviduct or ovaries and sometimes in lungs and intestines. In some cases there is rupture of spleen. Intestines usually fairly normal, except for such adhesions as accompany severe peritonitis when same is noted. Not infrequently rupture as well as congestion of oviduct and eggs, or partly formed eggs and egg tumors free, in abdominal cavity. Ovaries discolored and with soft, flabby yolks and evidence of yolks having been discharged into the abdominal cavity. Commonly there is peritonitis with an abundance of fluid and adhesions and frequently there is cheesy pus present and a peculiar foul, musty odor of abdominal contents.

There are many things about this disease which suggest poisoning with corn smut (corn ergot or ustilago maidis). It may be, though, that such poisoning when it occurs only makes the way easy for other infection. Inoculation with fluid from abdominal cavity of infected birds on healthy specimens in both males and females has reproduced the disease. In males there is first excitement of sexual function and then impotence, disease of testicle and later peritonitis and death.

We know that there is danger in diseased corn. We know that there are several groups of parasitic fungi to be found affecting spoiled corn. In the reported cases the corn-smut fungus may well be made the subject of careful investigation. Poisoning with this will produce similar symptoms and has produced abortion in cattle. It is worth noting that abortion in cattle and "staggers" in horses are common in sections reporting this poultry disease. It would also be well to study in connection with this disease the action of the parasitic fungus causing "green heart" in corn and held responsible for pellagra. The group of Aspergilli, mould fungi not infrequently found in musty grain, may well be studied also in this connection. And not to be overlooked are other poisonous fungi common in sour wet soils, particularly the common "bug agarie."

From our correspondence it would appear that this trouble is particularly prevalent this Spring and on the increase. It is worth careful study and should be investigated by experienced bacteriologists in a well-equipped laboratory. The information given here is only a brief summary from field experience, observation and correspondence. We haven't attempted to make a positive diagnosis, but merely to suggest a line of investigation. It may be that all cases reported and investigated are not the same ailment, probably are not, but there is a suggestive similarity in most cases. Also many cases of "intestinal irritation" and "auto-intoxication" in growing chicks associated with feeding on spoiled, soured and mouldy grain food, may well be considered in connection with this "new" disease. There is abundant room here for the trained investigator who honestly wants to work for the benefit of poultrydom and not for the promotion of some patented nostrum.

Loss of Back Feathers.

Q. What is this disease? I first noticed it on one of my hens in January. All the feathers on the back disappeared, leaving only stubs with a little light colored fuzzy, downy stuff. She died yesterday and I do not know whether that caused it or not, but I think it did affect her laying. She was laying at the rate of seventeen eggs in December and laid only eight in April. She did not seem to show any other signs of sickness until yesterday, when I found her with her head down. Then she would jump up and seem to be struggling for breath. I have several valuable pedigreed hens now showing the

Baby Chicks 12½c to 25c for May
Orpingtons and Partridge Rocks
JENNIE MILNER Normal, Ill.

Birkholz S. C. Reds
Eggs half price. Breeding stock reasonable. Drop card for prices.
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Special Sale Wingold BUFF ORPINGTONS BUFF WYANDOTTES
All our 1st and 2d prize winners at Cleveland, Buffalo and Detroit at one-half real value. Act quick if you are looking for a bargain.
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Half price sale. Eggs, chicks, breeders. Write for sales list. Fred B. Keifer, Marshall, Ill.

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Eggs and chicks half price now. Catalog free.
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The Best in the South. Stock and eggs at living prices.
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Eggs from Miss Hooker's Orpingtons
both Buffs and Blues now half price. The best colored birds are hatched late in the season.
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Famous "Ever-Lay" strain. National winners. Eggs half price. Hens from this years pens, special price $2 each next 30 days. Few Show hens $3 and $5—bargains. H. V. Tormohlen, R. 2, Portland, Ind.

WHITE ORPINGTONS — SPECIAL SALE
Males $5 and $10. Females $2.50 and $5. Birds from my breeding pens at these prices, worth two or three times the price. Will ship on approval.
T. A. SCOTT BETHANY, ILLINOIS

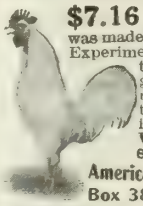
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卐 Ill. State Fair, Aurora and DeKalb prize winners. My flock averaged 173 eggs per hen last year. Mating list and catalog free. Stock and Eggs. SWASTIKA POULTRY YARDS, O. E. Faxon, Prop., Drawer H-1, Piano, Illinois

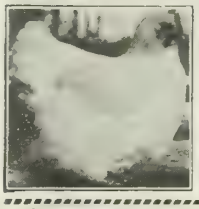


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Old Dutch Cleanser



IDEAL WHITE ORPINGTONS
Great Sacrifice Sale
All this season's breeders, including all our 1914 prize winners, $1.00 per bird up.
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Reduction—Your Chance
Eggs half price from prize matings. 43 prizes Madison Garden. General Matings, $1 per 15, $6.50 per one hundred from
R. and S. C. Brown Leghorns
242 egg strain. Sworn to high record 266.
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244 record and blood of 281 egg strain.
Big eggs—big birds.
Barred Rocks
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White Wyandottes
Duston
S. C. Rhode Island Reds
Of Very Best
W. W. Kulp, Box 70, Pottstown, Pa.

same signs she did, loss of back feathers and only stubs and fuzz left.

Pembine, Wis. R. B. M.

A. The loss of back feathers probably had nothing to do with her death. Cause of losing the back feathers is probably an over-attentive male bird. Cause of death may have been intestinal disease or peritonitis.

Wry-Neck in Chicks.

Q. What ails chickens when they hold their head up and twisted backward as far as it will go? Many of mine have been so afflicted. M. M. B.

Cottonton, Ala.

A. It is a symptom of intestinal or abdominal irritation. Commonly from indigestion, intestinal parasites and various infectious diseases. In young chicks trouble is commonly the result of eating sour and musty food. Prevent it by avoiding the cause. Keep chick without other food than a little scalded sweet milk for two days. Then allow a little rolled oats rubbed up with well-boiled egg. Give scraped raw potato, a little boiled rice and return to regular ration gradually. Feed not oftener than three times a day.

Incubator Operation.

Q. (1) I have been interested in incubator operation the past four years and have tried hot air and also hot water incubators. I have had a few good hatches and a few I fell down with pretty badly. Would like to know in using a hygrometer how many degrees of moisture must the egg chamber have.

A. (1) We never use a hygrometer. Have no use for one. The manufacturers provide a scale supposed to be correct and indicate on same the desired normal point. We experimented with several hygrometers a number of years ago and could get no satisfactory results from their use. The readings would vary sufficiently to give anyone nervous prostration if he supposed the hatch depended on maintaining an approximately normal humidity. We "canned" the hygrometers after learning that the weather man in his observatory found 'em exceedingly difficult to manage. We get good hatches in both hot water and hot air machines and don't let the "moisture problem" worry us.

Q. (2) How can you add moisture in the best way?

A. (2) You can't add moisture to an incubating egg after it has been evaporated. You can check evaporation of contained moisture by keeping moisture pans in egg chamber or keeping wet sponges therein, if the air cell in egg seems to grow in size too fast. Cooling the eggs and sprinkling them will increase evaporation and increase the size of the air cell. In an egg about 2¼ inches long the air cell should be about one-fourth of an inch deep on the fifth day at deepest part; about one-half an inch on the tenth day; about five-eighths of an inch on the fifteenth day, and about three-fourths of an inch on the nineteenth day. This can be taken as approximate only and there is considerable normal variation.

Q. (3) By placing a woolen cloth in the bottom of the egg chamber at hatching time would this hamper the moisture and to what extent?

A. (3) Chief effect would be to retard circulation of air in most styles of incubators.

Q. (4) If incubator was lined inside with tin would moisture be sustained?

A. (4) Don't know. Fail to see any advantage. We are disposed to believe that the "moisture question," so-called, in artificial incubation is made use of a good bit like the "hocus pocus" of the old-time magician. We have tried a lot of moisture experiments and have hatched with hens with many variations of moisture conditions and likewise with various types of incubators. With good eggs we got good hatches under widely varying conditions, and with poor eggs, poor hatches. If the eggs were dried down much the chicks were apt to be small and the hatch only fair. If the eggs were not dried down enough there were apt to be more chicks dead in shell and more not well finished. In other words, over-cooling and under-cooling did not yield as good results as moderate cooling, and, for the life of us, we couldn't put rules for cooling in table form, since conditions vary with the day and we cool and handle the eggs almost wholly by sense of touch. If they feel right we feel sure that they are right. We prefer rather sluggish ventilation in an incubator to abundant ventilation and strong air currents, and believe that where the ventilation is a slow process and where cooling (or airing) of the eggs is done in moderation one gets bigger chicks with bigger legs and a better chance to live. Incubator hatches this season beat out the hens with the same eggs. Last season the hens had rather the best of it. As the huckster says: "You pay your money and takes your choice."

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At Cleveland Show, January 5-10, 1914, won 1st cockerel, 1st and 3rd pullet, 2nd and 3rd hen and 1st pen. EGGS AT HALF PRICE. STOCK FOR SALE.

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Winners at Illinois State Fair 1913, the great Coliseum show, Chicago, and Elgin Special. 5 eggs each from my 3 best pens $1.25 for the 15. Day old chicks from same pens $4.00 per 25, $7.00 for 50 after June 1st.

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Fairfield White Rocks

All eggs at half price for June. Eggs from all special matings, $2 per 15. Don't write, but send your money. They always win wherever shown.

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Now is the time to order chix. Call for June, July and August prices. These are some of the best months to raise chix and make early Spring layers. Utility and show birds at less price. Catalog free. Mention American Poultry Journal when writing.

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SUPREME QUALITY UNSURPASSED VALUE

If you desire them get in touch with us. We are about to break up our matings and will have several hundred Leghorn hens for sale. Our prices are right—our treatment exact. Correspondence solicited.

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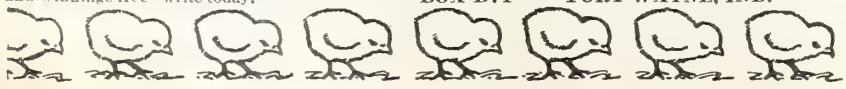
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Sensation Strain. If you are looking for good blood lines and superior quality, write me your wants.
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White Rock Baby Chix
Fishel Strain. After June 15th can supply chix at 4, 6 and 8 weeks of age. Eggs for hatching. Wyandotte breeders for sale. Mention A. P. J.
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are best. Our book tells you why. Write for it. Mention American Poultry Journal.
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Send for free sample and special trial offer. Yours for the asking. Large numbers showing 10 feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each $2.50 a 100.
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BRED BY
DR. GUY BLENCOE, ALMA CENTER WISC.

Blencoe's ANCONAS
Eggs now one-half price.
MRS. GUY BLENCOE Alma Center, Wis.

Q. (5) When animal heat in the eggs begins to increase what is the best way to check temperature from rising too high?

A. (5) Turn down the lamp. The oftener we have to turn down the lamp after the tenth day the better we feel about the hatch to come. In warm weather we sometimes put out the lamp during the last of hatch.

Q. (6) What is cause of hen laying egg with small ridges on it that show a transparent spot on holding egg to light?

A. (6) Abnormal functioning of oviduct.

Q. (7) What can be done for hens that have bare backs and bare posterior parts?

A. (7) Take away from the males and put out on a good large green range. Feed on whole grains once a day and let them forage for the rest of their living.

Q. (8) What is cause of cock and hens shaking their heads?

A. (8) May be only nervous action. May be irritation from lice.

Chicago, Ill. Subscriber.

Mash for Growing Stock.

Q. Kindly let me know if the following mash I am feeding to growing stock is all right or whether I am feeding too much beef scrap:

Corn meal, 8 pounds.
White middlings, 8 pounds.
Ground oats, 8 pounds.
Bran, 6 pounds.
Bone meal, 2 pounds.
Beef scrap, 5 pounds.

I am also feeding grain twice a day. I generally mix the mash with sour milk and sometimes I give them some of the milk to drink. E. R. B.

Allegany, N. Y.

A. You are using the beef scraps a bit heavier than you need to where you mix mash with sour milk. With your mixture would expect the mash to be a bit too sticky. If you add four pounds of bran and two pounds of corn meal the mash should have a better consistency. We usually give growing chicks the same mash used for laying stock.

THE 1914 CHICK GROWING CONTEST.

WE have a fine number of entries in the American Poultry Journal Chick Growing Contest for 1914 and every contestant in earnest and out to win the prize money. We are glad to see so much interest and hope it will continue throughout the season. The full details and rules of the contest were printed on page 653 in April A. P. J., and on page 778 of May issue. Be sure to read and follow these rules carefully. If you are hatching chicks in June there is still time to enter the contest. The contest closes on September 1st and all photos and articles must be in the Managing Editor's hands by September 15th. While it is preferable to take the five photos of the same lot of chicks at different ages, it is not required that the same flock of chicks appear in each photo, but they must be your chicks and the same variety in all five photos. There are ten prizes. Do your best to win one of them and even if you should not win be sure that you have done your best to help boost your favorite variety with authentic pictures of them in five periods of growth. In addition to the list of names printed in May the following entries have been received:

Wesley Rakow, Wheatland, No. Dak.
Mrs. B. F. Clettenberg, Delavan Lake, Wis.
Mrs. J. C. McLaughlin, Rice Lake, Wis.
M. W. Puette, Ridgecrest, N. C.
Mrs. E. J. Weaver, Rock City Falls, N. Y.
W. M. Branch, Evanston, Ill.
F. C. Eaton, Herman, Minn.
Cement City Poultry Farm, Mitchell, Ind.
Mrs. Florence Helmarth, Moline, Ill.
Chas. H. Herman, Yonkers, N. Y.
G. S. Smith, Jr., Philadelphia, Pa.
W. F. Grant, Schenectady, N. Y.
P. W. Porter, Grand Rapids, Mich.
John St. John, Roswell, N. Mex.
Sarah E. Jones, Highland Mills, N. Y.
C. W. John, Hagerstown, Md.
S. P. Henderson, John City, Ill.
S. W. Horner, San Diego, Cal.
G. B. Todd, Walla Walla, Wash.
Paul H. Ziemer, Waltham, Minn.
A. H. Faulkner, Millinston, N. J.
W. J. Guthrie, Sisseton, S. D.
Mrs. Stella A. Pulley, La Fontaine, Ind.
S. J. Hiss, Plymouth, Ind.
John C. Green, Akron, O.
Mrs. C. Seamen, Brooklyn, N. Y.
Mrs. C. M. Been, Blue Ridge, Texas.
C. H. Krumm, Towanda, Pa.
C. H. Baumgart, Bloomington, Ill.
Lawton B. Quimby, Laconia, N. H.

START RIGHT Too many chicks are lost through bowel trouble. Feed your chicks Blatchford's "Mammoth Chick" Milk Mash. Order from dealer or write us.
Blatchford's Calf Meal Factory, Waukegan, Ill.

BUFF ORPINGTONS COOK STRAIN
Eggs for sale from prize winning stock.
VICTOR L. ADELMANN R. F. D. 1 Beardstown, Illinois

STUEBE'S WH. ORPINGTONS
"The Best in The West." If you want stock or eggs, write me. Square deal and reasonable prices.
Len F. W. Stuebe R. R. 2, Danville, Ill.


1st Cockerel, Madison Square Garden, 1913 — Head of 1st Pen Philadelphia

Summer Sale of Rancocas Stock
Rancocas have in their breeding yard over sixty birds that have won at such shows as Madison Square Garden and Palace Show, New York City, New York State Fair, New Jersey State Fair, Boston, Philadelphia and Hagerstown. We have hundreds of early chicks bred from them that are coming on splendidly. We propose for the first time in the history of the farm, to hold a summer sale, and to offer at reduced prices some of our record birds, together with 200 other choice specimens.
This will be an unusual opportunity to secure White Leghorns and White Rocks that have won national fame. The sale will include White Leghorn males that have won as follows: First Cock at Philadelphia, 1912; First Pen Male at Philadelphia, 1911; First Pen Male at Boston, 1913; First Pen Male at Madison Square Garden, 1910; and such famous White Rock males as Second White Rock Cockerel, Boston, 1913; Third Cockerel at Madison Square Garden, 1913; Fourth Cockerel at Madison Square Garden, 1913, and Fourth Pen Male at Boston, 1913. This sale will include many other record birds and choice breeders. Write for our summer sale catalog.
RANCOCAS POULTRY FARMS
Box 510 Brown's Mills, N. J.



AN EGGS-TRAORDINARY EGG LAYING CONTEST.

PARK RIDGE, Ill., besides being one of Chicago's prettiest suburbs, is also a hot-bed of "dyed in the wool" chicken fanciers. Not only have the grown-up folks the hen fever in its worst form but also the children have contracted it, and it is spreading throughout the village as rapidly as the measles all on account of a recent remarkable egg-laying contest which was instituted by the Business Men's Association of the village. The contest has stirred up the village from end to end, and since its introduction the Park Ridge Schools have taken up the study of Practical Poultry Culture, and the classes are very enthusiastic. The contest was won by Jules Plomb on a pair of White Rocks, who out of a possible 84 eggs produced 70 during the time of the contest, which ran from March 21st to May 2d. This is quite a remarkable record when it is considered that the pens were only 3′ x 4′ x 7′. The pens were built by the Manual Training Classes of the local grammar school, boys under 14 years old. A committee appointed by the president of the Association drew up rules and supplied prizes aggregating $300.00, consisting of Incubators, Poultry Appliances, Silver Cups, Feedstuff, and everything pertaining to the poultry industry. The youngest exhibitor was four years old and won the 15th prize. A special committee collected the eggs every evening and a tabulated score board was kept on exhibition in a prominent store window, and the crowd of people scanning the score board daily reminded one of a crowd watching the baseball bulletins. The pens were under lock and key, the committee holding the keys. There were 49 pens entered and 2,240 eggs were produced during the 42 weeks the contest was in operation. Thirteen girls entered pens in the contest which contained nine varieties of standard bred fowls and 7 pens of common hens. The children were obliged to feed their own hens and clean the pens and otherwise care for the birds. They were honest in the interest, and not a single egg was smuggled into the nest. Many amusing stories are told of how the children tried to coax the hens to lay; among others how one little girl tried to feed the hens on chocolate drops. The business men will try to arrange a poultry show this coming fall, and next spring another

contest is to be arranged on a much larger scale. Keep it up, kids.—L. A. Stahmer.

A MEMORIAL TO WILLIAM BARRY OWEN.

A LIFE is measured largely by what it has accomplished and a finished work is a greater memorial than any which may be erected by other hands, no matter how true the appreciation of the work accomplished or how strong the regard for the life whose earthly career has ended; for the work is itself an expression of the character, the personality and the ability of the one to whom it owes its origin, its progress and its final completion, and therefore is the fittest memorial, for it is wrought by the man himself.

The life of William Barry Owen was comparatively but a short life in the largest fancy poultry farm in the country, and customers everywhere were glad to advertise that they had Owen Farms strains, and these strains have been the foundation of more flocks of fine poultry than any other strains in existence. William Barry Owen and Owen Farms stood behind the sales made and there has never been a farm more liberal with its customers or that has gone farther in its desire to make good where there has been even the slightest cause for dissatisfaction. The personality of William Barry Owen entered into his correspondence and his customers felt that he was their friend and trusted him, and no letters which he received gave Mr. Owen quite the pleasure that those afforded him in which customers wrote him of their appreciation of what he had done for them. In its show record Owen Farms reached the zenith. No other farm has ever made such sweeping victories in



Park Ridge Business Men's Committee in charge of recent Egg-Laying Contest for school children. Reading from left to right, Fred C. Stagg, Harry C. Miller, J. H. Bell, E. H. Wood, Geo. Schrofer.

number of its years, but in its accomplishment it was a long life, and one which will be long remembered for the kindly heart, the strong personality, its love of the ideal and true and for its enthusiasm and keen optimism. It has also been a busy life and whatever work has been undertaken has received all of the enthusiasm which William Barry Owen had to bestow, and the supply was absolutely unlimited, and it is to this boundless enthusiasm more than to any other one characteristic that his success has been due.

Owen Farms was established after William Barry Owen had finished what might be called his business career and had retired from active work. The breeding of fine poultry was taken up for the love of it and with the purpose of possessing the finest flocks of thoroughbred poultry in America and to occupy the time of leisure which had come to him. His energy and enthusiasm, however, could not be kept in check and to his surprise and pride Owen Farms in a few years was acknowledged to be the foremost and the show room in the strongest of competition.

When Mr. Owen's failing health a year ago caused him to give up the business and it was sold to the writer, it was his desire that I retain the name Owen Farms. Mr. Owen's enthusiasm for poultry, however, was so great that he felt when he recovered his strength he would likely establish a large Leghorn farm and I knew that should he do so it would undoubtedly be his wish, and also his right, to use the name Owen Farms himself, and for that reason it seemed wiser for me to do as I did during the first few months of my ownership of the business and advertise under my own name as successor to Owen Farms. During Mr. Owen's hopeless struggle with his fatal malady the past few months I decided to conduct my business in future under the name of Owen Farms as a memorial to William Barry Owen, and it is my earnest purpose that Owen Farms now and through all the years of its existence shall be an honor to its founder, continuing along the lines of fairness, liberality and the personal interest in each customer which have given Owen Farms the position it holds today, and that the product of Owen Farms shall everywhere be recognized as the acme of perfection in thoroughbred poultry.

No man has done more during the past ten years for thoroughbred poultry than has William Barry Owen and the poultrymen of America will not forget it. Letters of sympathy and sorrow have come in from poultry breeders all over the country; letters expressing appreciation of the great good which William Barry Owen has been to the poultry world and regret that his life had so soon to end. But the success of Owen Farms had been accomplished and it stands as a great memorial to William Barry Owen.

Maurice F. Delano.

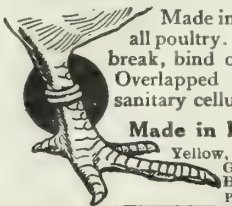
Vineyard Haven, Mass.,
May 13, 1914.

Protect Bird Profits
by protecting bird health. Use
KENTUCO WARE
It is "mechanically perfect—looks it." Galvanized after made—non-rusting—easy to clean. Send for big free circular.
Kentucky Stamping Co., 104 N. 15th St., Louisville, Ky.


$7.55 Buys World's Champion 140-Egg Incubator
We ship quick from St. Paul, Buffalo, Kansas City or Racine.
Double cases all over; best copper tank; nursery, self-regulating. Best 140-Chick hot-water brooder $4.85. Both ordered together $11.50. Frt. prepaid (E. of Rockies)
Satisfaction guaranteed. Write for book today
Belle City Incubator Co., Box 27, Racine, Wis.

POULTRY RAISERS
Find easiest, most economical, most effective way to spray hen houses is with a
BROWN'S AUTO SPRAY
Style shown here has 4 gal. capacity—Auto-Pop Nozzle and Non-Clog. Endorsed by 300,000 users. 40 styles and sizes—hand and power. Write for FREE catalog.
The E. C. Brown Co., 52 Jay St., Rochester, N.Y.

Feed Pearl Grit
PEARL GRIT T.G.M.Co.
Serves a double purpose. It grinds the bird's food, thus aiding digestion and also furnishes shell and egg-making material. It
Makes Hens Lay
It furnishes strength and feather making material enabling hens to molt and lay at the same time. Send for our new valuable poultry booklet giving prices.
The Ohio Marble Co., 105 Cleveland St., Piqua, O.

Mark Growing Chicks with Stokes Celluloid Leg Bands

Made in four sizes, to fit all poultry. Cannot work off, break, bind or injure the leg. Overlapped rings of bright, sanitary celluloid.
Made in Eight Colors
Yellow, White, Brown, Red, Green, Black, Dark Blue and Light Blue.
Price, any color, delivered free, anywhere.

Size	For	Doz.	100	1000
A	Baby Chicks and Pigeons	$0.15	$0.85	$7.50
B	Leghorns, etc.	.18	1.00	8.00
C	Plymouth Rocks, etc.	.18	1.00	8.00
D	Asiatic breeds, Turkeys, etc.	.20	1.25	9.00

50 at 100 rate; 500 at 1000 rate.
DEALERS WANTED. Demand is big. Write for terms to wholesale buyers. **Poultry Supply Catalog Free.** Order leg bands from this advertisement and write for Poultry Supply Catalog No 61.
WALTER P. STOKES, Seedsman
219 MARKET ST. PHILADELPHIA

Home and the Table
Good Things for Everybody

Helen J. Woods, Editor

Never yet was a springtime,
Late though lingered the snow,
That the sap stirred not at the whisper
Of the south wind, soft and low;
Never yet was a June time
When the roses forgot to blow.
—Margaret E. Sangster.

OF ALL things deplorable, none is perhaps more so than the man or woman who is waiting for the future to bring all life's enjoyments—the past picturing nothing worth while, the present to be passed over hurriedly in hopes of attaining something more pleasurable.

The people who really live, finding joy and comfort in the process, are those who make the most of the twenty-four hours in the day for work and rest, for study and enjoyment, for help and encouragement. The idlers and waiters never reach the desired state to which their longing eyes are turned.

Work if strikingly uncongenial, or if we are unadapted to it, is undoubtedly a curse, but continued idleness is even more so, and much more destructive to natural ability.

Some of the most pleasurable things in life are to be found in doing those things in which we are interested, since being in sympathy with an undertaking robs it of its element of work or hardship, and we go about it with a keen zest impossible where uninteresting or distasteful work is forced upon us.

However the situation, whatever the environment, we are each to a great extent masters of the situation. That unknown, unfathomable quantity, the personality, is what counts. Time was when the threadbare excuse of "he never had a chance" covered a multitude of misspent, groan-laden years, but in this day and generation we know that every one gets an opportunity to better himself if he never gives up looking for it, and is willing to grasp it when it comes along. His personal force in the matter will tell on his environment either for good or ill. He may be unconscious of his power and influence over associates and things in general, but his personal force will either make or mar the situation.

Do we not all know men and women whose mere presence puts us at our ease and brings out the best there is in us, who radiate charm and energy, who inspire us with an unwavering desire for broader knowledge and keener ability in our work? They do not attempt to acquaint us with their store of knowledge. Their lives picture it, their works prove it, their personality wields its marvelous influence over all with whom they come in contact.

On the other hand we have all felt the blocking, stunting influence of the restless, dreadful type of individual who not alone fails to accomplish anything worth while himself but spends his time preventing other people from doing so. Nothing is more wearisome or nerve-racking than a constant jostling against these human stumbling blocks.

The man or woman who has work to do has no hours to lend attention to long, detailed recitals of hard luck stories. It is too much to expect of good nature to stand and listen while the morning train which we must catch, keeps to its regular schedule, or the bacon and muffins burn to a crisp—but there are those who expect it, nay, demand it as their right.

These hard luck people invariably believe that some "spell" or special evil dispensation has been visited upon them, but the source of their disaster eminates from themselves. Not content with being abject failures themselves, they magnify their tribulations and use them as hindrances in the path of those who would be about their affairs in an effort to accomplish something worth while.

No human has ever lived many years in this life who has not had disappointments; crushing sorrows have been the lot of many, but in the long run the good things always out-balance the bad, and the personality that stands for the best in life radiates a charm and influence that speaks for itself with more force than hordes of people endeavoring to demonstrate their worth.

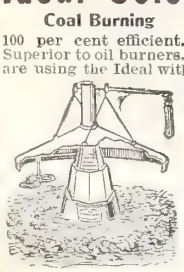
The vacation season now at hand plainly makes evident the lack of appreciation by the multitude generally. There are more frazzle-edged nerves at the end of the season than there were

Single Comb White
ORPINGTONS
WINNERS AT BOSTON
Eggs half price balance of season.
WOODMAN-COLPRIT YARDS
1140 Mass. Ave. Arlington, Mass.

DAY-OLD CHICKS
SINGLE COMB **WHITE LEGHORNS**
Exclusively. Pens of 100 chicks, $10. 100 eggs for hatching, $5. 50 high class pullets also 50 first class hens while they last, $1.00 each, or all for $95.00—a real bargain. Good cocks and cockerels at $2 each.
Chas. H. Whitney **Delta, Ohio**

PATENTS
Patent Your Invention. It May Make Your Fortune
Poultry inventions a specialty. Expert service. Terms reasonable. Write me before you apply for a patent. Information free.
LESTER L. SARGENT, Patent Lawyer
716 12th St., N. W. Washington, D. C.

Ideal Colony Brooder
Coal Burning **Self Regulating**
100 per cent efficient. Superior to oil burners. Economical and safe. Large and small farms are using the Ideal with success. The only system giving perfect satisfaction. Write for booklet describing the



Ideal Coal Stove Brooder
Price $17.00; with Regulator $22.00.
LIBERTY STOVE CO.
Dept. J. Philadelphia, Pa.



The General says:-
Be sure you're *Certain-teed*—then go ahead.
Roof every building on your farm—house, barn, silo, granary, machine shed—everything with

Certain-teed
ROOFING
This 15-year-guarantee label is on every roll or crate—and the three biggest roofing mills in the world back up the guarantee.
No roofing "*test*" proves anything.
This label is your insurance.

Your dealer can furnish *Certain-teed* Roofing in rolls and shingles—made by the General Roofing Mfg. Co., *world's largest roofing manufacturers*, East St. Louis, Ill., Marseilles, Ill., York, Pa.



Look Out
for Chicken Thieves!
Examine your birds and see if lice are not robbing your poultry of health and vitality, and yourself of profits. Get the **Old Reliable**
LAMBERT'S
(6) **DEATH TO LICE POWDER**
It knocks these thieves out *quick*. Will not injure eggs, hens or chicks, nor soil plumage. Sold in 10c, 25c, 50c and $1.00 sizes. Latest copy of Lambert's "POCKET BOOK OF POINTERS" for 2c stamp.
O. K. STOCK FOOD CO., 501 Traders Bldg., Chicago

at the beginning. Every one needs a rest and a change. People need to get away from their associates occasionally, see new places and learn how the people in the next state or county live. They may have progressed more than we have in the home town. It is certain they can teach us some things worth while. It may be that they are living simpler, saner lives than we are, or that they are more appreciative of the homely, every-day joys of life, or that they are making the most of a very little. Like Nature, we are sometimes prodigal of our stores, and not wholly appreciative of the good things all about us. Above all we do not want to be provincial—and some of the most provincial are from the large centers of population. Everywhere we meet the man or woman who compares every other place with the home town—and unfavorably. The buildings are larger at home, the schools better, the churches better filled, the people more cultured. The monotony of the thing is tiresome in the extreme. There is no one best place on this earth; for while one place may have the largest office building, another may have the widest view, or the purest air, or the greenest fields, and there is something worth while everywhere.

We cannot all take the vacation we would like, but we can appreciate the little pleasures as they come. The enjoyment of an occasional afternoon in the woods, a row up the little winding river at sunrise, a camp supper on the beach in company with friends and neighbors, or an hour spent in rest and reflection at some special vantage point at sunset, will prove a welcome change and break the dull monotony of the same daily tasks. The most overworked can take in these little pleasures if they are willing to make the effort. The children in the family will lend willing hands in preparation of a lunch and they will gladly carry the baskets and pillows. Never was a child unwilling to assist in the preparation for a picnic. And they will prove the life of the party. It requires a few adult "kids" to make an exclusively "grown-ups'" picnic a genuine success, and to inspire the participants with real childlike enjoyment of back-to-nature affairs. There are a few people who cannot unbend from their straight-laced dignity sufficiently to sit on the ground under the shade of a spreading oak and eat cold fried chicken and mayonnaise sandwiches, drinking delicious hot coffee from a paper cup, without the aid of a full service of silver—but they are to be pitied. There is enough to be enjoyed in this world and the only real and lamentable lack lies in the failure to appreciate the good things.

Old Fashioned Jumbles.

By E. H. J.

Cream together two-thirds cup butter, one and one-half cups sugar. Add three eggs, one cup rich milk or cream, three cups flour, two teaspoons baking powder, grated rind of one lemon. Drop by spoonfuls on greased pan and sprinkle with sugar. Bake in quick oven.

Delicious Lunch Cake.

Cream together one-half cup butter and one cup sugar. Add the unbeaten yolks of two eggs and beat until light and creamy. Sift together two cups flour, two scant teaspoons baking powder, one quarter teaspoon salt and two teaspoons cinnamon. Add this alternately with one cup of sweet milk

My Columbian Wyandottes

Have always been sure winners.

Geo. A. KERSTEN, Washburn Park, Minneapolis, Minn.

The Raven's Rose Comb Reds

Have won at the world's greatest shows, including Cleveland, Buffalo, Youngstown. Also in customer's hands at Hagerstown, Oklahoma State Fair. Order your eggs from my descriptive matin list, free for asking.

M. C. DeLOOF - Box 171 - WILLOUGHBY, O.

SILVER LACED WYANDOTTES

America's Beauty Strain. Old and young stock for sale. Eggs half price. Write us for prices on stock. Fancy birds a specialty.

EWING & ROMICH Lock Box 393 CRESTON, OHIO

Hawkins' Barred Rocks

Have produced the winners at **NEW YORK, BOSTON, CHICAGO** and the world's greatest shows for 30 years. They won 6 prizes out of 8 awarded on cockerels at **New York, 1912.** Also Sweepstakes prize for the best cockerel in the show. At **Chicago, 1912,** they won 4 first prizes and Sweepstakes Special for Best Display in a class of 400. At **Chicago, Dec., 1913,** they won 6 first prizes and Sweepstakes Special for Best Display. **EGGS** from the Champions, $10 per setting; 3 settings, $25. Choice Exhibition and Breeding birds for sale. Big Catalog of the Champions Free.

A. C. HAWKINS, - Lock Box 25 - LANCASTER, MASS.

R. C. Rhode Island Reds

From Our Improved Bean Line



Our great reduction sale of eggs is on. After May 1st we will sell eggs from all pens at half price. Our sensational win at Madison Square Garden the past winter proves we have the goods. A chance to get eggs from New York, Boston, Chicago and Pittsburgh winners at bargain prices. Send today for our beautiful illustrated catalog. It is free.

SIMMONS & CRITTENDEN - GENEVA, OHIO

Special Sale

Eggs--Day Old Chicks--Stock



Prices extremely low the balance of season. Hundreds of Utility and Exhibition Birds for sale at less than one-third their actual value. S. C. Buff, Black and White Orpingtons, Barred, Buff and White Rocks, S. C. White and Brown Leghorns, S. C. and R. C. Reds, White Wyandottes and S. C. Black Minorcas. Send for Catalogue, Sale List, etc.

Goshen Poultry Farms, R7, Goshen, Ind.

Wyckoff's S. C. White Leghorns

acknowledged everywhere the World's greatest laying strain; unequalled in standard qualities. Remember that we are the originators and for over 30 years specialty breeders of the justly celebrated **"Wyckoff" strain of S. C. White Leghorns,** the most profitable strain of poultry in America today. Place your orders at headquarters and make no mistake. Eggs **for hatching** in any quantity from the grandest of matings, both utility and exhibition. Catalogue and testimonials free.

C. H. Wyckoff & Son Aurora, Cayuga Co., N. Y.

FELCH OFFERS

The product of his breeding pens of 1913 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts

S. C. White Leghorns

From our great LAYING BRED stock. Baby Chicks, 12c; $11.00 per 100. Hatching Eggs (hens) settings, $1.25; $5.50 per 100. Special exhibition and utility matings. Cockerels and pens shipped immediately. Our reputation is behind all of this stock. Mention American Poultry Journal.

JOSEPH STENZ & SON **Fond du Lac, Wis.**

KLINGBEIL PARTRIDGE ROCKS

The Great Fancy and Utility Strain

Winners at New York, Boston, Providence and other leading shows. They have the show record as well as the quality record. Bred in line for greatest value. Eggs for hatching from special mated pens $5.00 per 15; from run of the flock, $3.00 per 15. Also Baby Chicks. Send for mating list. Also some very fine mated pens and cockerels for breeding.

PLEASANT VIEW FRUIT AND POULTRY FARM

PAUL KLINGBEIL, Prop. Sec'y and Treas. Partridge Plymouth Rock Club **WALPOLE, MASS.**

Clean **Sharp**

Grit That Grinds

Fill your hoppers with our pure, hard flint rock with the sharpest of edges. Is washed thoroughly and screened so there is no waste.

Made in three grades—No. 1, grown chickens; No. 2, young chickens, and No. 3, baby chicks.

If your dealer cannot supply you, send us his name and we will ship you either grade at 50c per cwt., 200-pound lots. Write us today.

INDEPENDENT GRAVEL COMPANY

Sanitary Webb City, Mo. Box 387 Joplin, Mo. Box 70 **Economical**

Poley's World's Best Buff Rocks

Again Win First Display at Madison Square Garden, N. Y. Dec. 1913

By winning 1st Cockerel, 1st and 4th Pens, 2nd Pullet, 3rd Hen and shape and color specials. Stock and Eggs always for sale. Write for 1914 mating list.

LINFIELD POULTRY FARM John W. Poley, Prop. LINFIELD, PA

Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, half price now. Write for mating list.

Harry Cass -:- Buffalo Hart, Illinois

Fell's Famous Wh. Wyandottes

CHAMPIONS AT MADISON SQUARE GARDEN

Winners of 12 First Prizes in four showings. The best in utility and fancy. Cat. free. Eggs half price after May 10

A. J. FELL Box 2 WEST POINT, PA.

THE "Maryland" STRAIN

Walden's Barred Rocks

Win at Baltimore, Md., 1914

First Prize Hen and Shape Female and Second and Fourth Pullets

The Pullet Bred Line a Specialty

My birds have won this year also at Philadelphia, Williamsport, Pittsburgh, Hagerstown, etc. For years they have won at leading shows. If you are interested in Quality **My Maryland Strain** will interest you.

My New Catalogue for the Asking

It gives you full and complete information of my line with prices, etc. Eggs for hatching from selected pens containing all my winners. Write me your wants today.

R. J. WALDEN Box A MIDDLEBURG, MARYLAND

to the first mixture. Then add one teaspoon vanilla, the stiffly beaten whites of two eggs, and one cup of halved and seeded raisins well floured. Bake in a shallow cake pan in a moderate oven. Sprinkle the top with powdered sugar and cinnamon just before putting in the oven, to form an appetizing crust, when no frosting will be necessary.

Maple Bisque.

By E. C.

Into one-half cup of hot maple syrup stir the yolks of two well-beaten eggs to which has been added one tablespoon sugar. Do not allow to boil but cook in a double boiler or on back of range until the mixture thickens slightly. Remove to a cool place and after becoming thoroughly chilled, add one-half pint of whipped cream and the stiffly beaten whites of two eggs. Blend thoroughly, pour into a mold and pack in salt and ice for three hours.

Apricot Sherbet.

By E. C.

Boil one quart of water and one-half pound sugar together for five minutes. Press a quart of stewed and sweetened apricots through a sieve, add the juice of one lemon and the syrup which has been allowed to cool. Freeze the same as ice cream. After removing the dasher from the freezer, add the stiffly beaten white of one egg to which has been added a little powdered sugar, stirring it lightly into the sherbet. Pack and allow to stand for a time before serving. Peach sherbet made in the same way is very delicious.

Fruit Conserve.

By E. H. J.

Pare and core one large pineapple and chop the remainder in small cubes. Sprinkle with sugar and place on back of range to simmer until the juice is extracted. Some pineapples are much juicier than others but if it is found necessary add a little water. Add also four boxes of strawberries which have been stemmed and washed but not allowed to stand in water. Cook slowly until the fruit is tender and then add sugar to sweeten as desired. Boil down to the consistency of conserve.

Novelty Cookies.

By E. H. J.

Cream one cup of butter with one and one-half cups of granulated sugar, adding one well beaten egg. Dissolve one level teaspoon soda in one cup sour cream or milk and add alternately with sifted flour sufficient to form a dough that may be rolled. Add one teaspoon almond, lemon, or other flavoring as may be desired. Have a plate of sifted sugar and nut meats previously put through meat grinder (medium coarse wheel) and as the cookies are cut into rounds dip top of cookie into sugar and nut meat mixture and bake.

Nut Frappe.

By E. H. J.

Dissolve one envelope of gelatine in just enough cold water to cover. Then add just sufficient boiling water to melt gelatine. Add one pint whipped cream to which has been added one-half cup sugar and the stiffly beaten white of one egg. When beginning to harden add one cup chopped nut meats and one cup of fresh crushed strawberries. Serve ice cold in sherbet glasses with or without cream.

Chick Chats

by H. P. Schwab

June—The month of Brides, Roses and Chicks.

* * *

Flowery June,
When brooks sent up a cheerful tune,
And groves a joyous sound.

* * *

This is the poultryman's real busy season, between caring for the young and the setting hens, there is plenty to do on every plant.

* * *

Do it well, and do it right, do it prompt and do it regular, and when the harvest time comes you will have that satisfied feeling.

* * *

Peaches will be less than a third of a crop in Western New York this season, but the chicks promise a bumper crop with the real quality.

* * *

Lest you forget—the winners at next winter's shows will be hatched this and next month. It is not too late to order those choice eggs you have been thinking of.

* * *

Luck never Wastes any Time on the Let-Well-Enough-Alone Man.

* * *

The re-election of President E. B. Thompson is well deserved and is the proper caper, for it will now give him the opportunity to start off that new constitution upon which he and others have worked so faithfully. Mr. Thompson has devoted much of his time to the association, and has been president in fact, and we congratulate him on the great vote he received.

* * *

The best chicks are the ones that "Do Well" from the first day out of the shell. See that all do well by giving proper care, a good variety of food, and clean fresh water to drink.

* * *

The A. P. A. Election is over and the result is very pleasing to us.

* * *

In Mr. Joseph Russell, first vice-president, we have another breeder and fancier of note and worth, who will also make good. He has served in the Canadian Parliament and is a man of many interests.

* * *

Everybody knows Mr. A. A. Peters, the second vice-president. He won the east in a walk at the Atlantic City meeting last August.

* * *

The re-election of Secretary S. T. Campbell, is particularly pleasing. His great vote and majority of 2,107 over another candidate, plainly shows that the members are well satisfied with the service he has rendered, and that they wish more of it. Mr. Campbell has made the best secretary we have ever had, and we hope to have him for years to come.

* * *

The election of Messrs Hawkins, Steinmesch and Hemenway adds three well known and capable breeders to the Executive Board. There can be no question but that the country is saved again.

* * *

Mr. Hawkins polled an enormous vote which is a tribute to this sterling breeder and fancier, who also is one of the Association's oldest members.

* * *

Chicago wins the meeting which will be held the second week of August from the 9th to 15th. Both place and date a good selection.

* * *

Most all of the breeders are now selling eggs at half price and are also offering a part of their breeding stock for sale at special prices. If you have wants better look over the advertising pages. Now is the time to buy and get the benefit of the reduced prices.

* * *

Mr. C. F. Rankin, owner of the Schenley Heights Poultry Farms, Pittsburg, Pa., breeder of Single and Rose Comb



HARNLY'S QUALITY WHITE ORPINGTONS

HALF PRICE EGGS after May 10th from first prize winners at Chicago (Coliseum), Wisconsin, Illinois, Indiana, Iowa, Nevada, Nebraska, Colorado and Ohio State Shows.

BABY CHICKS. Sacrifice sale of breeders. Ask for illustrated Catalogue.

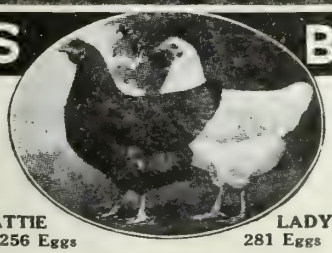
(The unretouched photo in this advertisement is of my First Prize Chicago Pullet).

MRS. JOHN H. HARNLY 2301 North Elisha Ave. ZION CITY, ILLINOIS

TRAP-NESTED 200 EGG STRAIN

THE WORLD'S BEST LAYERS

TRAP-NESTED 200 EGG STRAIN



40% DISCOUNT STOCK EGGS

AFTER JUNE 1st BABY CHICKS



Lady Vera 235 Eggs



Lady May 219 Eggs



Lady Agnes 236 Eggs

LADY HATTIE 256 Eggs

LADY SHOW YOU 281 Eggs



Lady Beatrice 240 Eggs



Lady Grace 232 Eggs



Lady Rose 232 Eggs

WHITE ORPINGTONS BUFF

R. COMB REDS S. COMB

WHITE ROCKS BARRED

S. C. WHITE LEGHORNS
WHITE WYANDOTTES

Eggs and Baby Chicks from profitable layers is your only guarantee for SUCCESS in the poultry business. Isn't it a serious matter when eggs are selling for 35c to 50c a dozen and your hens are not laying? Ask the man who has failed. Also ask him if he would recommend the breeder he bought his stock from. I breed for eggs and can furnish you stock that will lay when eggs are high. THAT MEANS YOUR SUCCESS.

PRICES	Eggs	Baby Chicks
From stock with records of better than 200 eggs and their special matings .	30c each	50c each
Form stock with records of 144 to 199 eggs and their special matings . . .	20c each	35c each
From stock without records but from trapnested blood lines	10c each	20c each

Note:—There are no discounts on eggs or baby chicks in lots of less than 200. Can make prompt delivery of eggs and baby chicks. Write for sales list. My instructive catalog is free.

JOHN G. POORMAN, Box 100, TINLEY PARK, ILL., U. S. A.

Reds and Silver and Golden Campines, has bought another farm and is building a plant worth while. The fine records he has made for two years has brought this man and his line to the front, deservedly so.

* * *

Poverty makes it easy to live the simple life.

* * *

It's better to uphold a good thing than to hold it up.

* * *

Our season's trip is ended and we will now roust-a-bout home for some time to come where we hope to hear from our eastern breeders and friends.

* * *

Keep the dry-mash hopper full before the growing chicks; the mash should contain plenty of bran, which is one of the best bone growing and size making feeds we have.

* * *

Proper feeding is sure to bring results and the proper raising and growing of chicks is just as important as it is to have the best of eggs to hatch. It is up to you Mr. Poultryman to make your quality.

* * *

The A. P. J. Year Book for 1914, which has just been issued, is a regular Poultry Encyclopedia, a handy reference book to have.

* * *

Ans to J. D. H. The sterner-sex, is the sex which is too weak to resist a temptation, a cocktail or a woman, and too infirm to put studs in its shirts or to fix its own bath.

* * *

Mr. D. W. Young looks good in the A. P. J., but not natural, for we have never seen him with his arms folded before. What we have in the S. C. White Leghorns today, we can thank Mr. D. W. Young for, and he can well rest, fold his arms and reflect, for his work fills several pages of poultry history that will live forever.

* * *

Captain Max J. DeBathe, the noted Orpington judge and breeder of England, has returned to his home from his hunting trip in Burmah, where he went after big game and got it, too, for he shot a tiger 9 feet long.



"Wingold" Buff Orpington hen. First at St. Louis; first at Cleveland, 1912; first at Cleveland, 1913; first at Buffalo, 1914. Bred and owned by F. A. Poertner, Berea, O.

The Captain reports a large and fine lot of youngsters, to use his own expression—they are stunners, and that means something in poultry.

We have received some old poultry books and papers that are very valuable to us and for which we are very grateful. There are still some others we would like to have and hope to hear from those who have any old books, papers or Standards.

* * *

A man's first love affair is a mere incident; his second an accident, and all the rest a habit.

* * *

For the year of 1913 the American Farmers' Harvest amounted to just $9,-75,000,000. This is the largest value the American farms have ever produced.

* * *

We know of an experienced and reliable poultryman wishing a position. This is a man we can highly recommend.

* * *

According to reports McAvoy is at it again, so let the Houdan breeders and fanciers beware. McAvoy got off too easy on his plea of guilty and next time no doubt, will draw a good term in prison.

* * *

We neglected in our last to mention the Atlantic City Poultry Show will again be held. For particulars address the Poultry Item.

* * *

Early to bed and early to rise, hustle like hel-en advertise.

* * *

The weakest spot in every man is where he thinks himself to be the wisest.

* * *

Mr. George J. French, president of the R. T. French Co., Rochester, N. Y., manufacturers of "French's Poultry

WHATGLEN FARM Champion S. C. Black MINORCAS

Madison Square Garden, N. Y., Winners. Since 1906 birds of my breeding and of my line have won at the leading shows the country over. Their record is history—commending them for highest quality and greatest possible worth. I offer mated breeders, line bred, in any desired number, having the largest farm and largest stock. **Eggs for Hatching** from selected pens, $5 per 15. From special matings, $1 per egg. Write me your wants and for catalog, please. **Whatglen Farms, Frank McGrann, Owner, Hiram Demmy, Jr., Mgr., Lancaster, Pa.**

TRUE TO NAME Peerless Poultry Protector

The Snow White Disinfectant Coating

for those Coops, Houses, Brooders and other buildings. $3 will bring a 25-lb. box which when mixed with water will cover 750 sq. ft. two coats.

WEATHERPROOF — FIREPROOF — SANITARY

Peerless Poultry Promoter, Port Richmond, N.Y.

Sunlight S. C. White Leghorns

(D. W. YOUNG STRAIN)

GREATEST KNOWN LAYERS

DAY-OLD CHICKS HATCHING EGGS STOCK

Sunlight S. C. W. Leghorn eggs and day-old chicks may not be the cheapest you can buy. You can buy them for less money in the start, but what about the finish? What about results? There is where you appreciate the quality and the strain you have purchased, when you buy Sunlight S. C. W. Leghorn eggs and chicks. It is not too late to buy eggs and day-old chicks. Some of my best layers are hatched in June. I am offering eggs and day-old chicks at reduced prices, for which I still pay the **express charges.** Fine pullets and cockerels, six to eight weeks old, 50c each; twelve weeks old, 75c each; fourteen weeks old, $1.00 each. A fine lot of breeders for sale at reduced prices. If you want the best in S. C. W. Leghorns, write to Sunlight Poultry Farm. They are persistent layers, hence money makers, the year around. Best of references. Send for catalogue and prices. **"The Most of the Best for the Least."**

SUNLIGHT POULTRY FARM E. N. LEMON, OWNER LYNCHBURG, OHIO

We Have a Big Proposition for You



If you want one portable house for keeping a few chickens on your back lot, or if you want a number of colony houses, do not fail to write for circulars and prices on portable chicken houses. Many styles and sizes. Shipments made from coast to coast. Prices $9.00 to $50.00. Write for circulars to-day. Mention A. P. J.

The Lytle Lumber Company, Deshler, Ohio

SCHULTZ'S
BUFF WYANDOTTES

Four grand pens mated. Headed by the following males: 1st cockerel and 2nd cock, Madison Square Garden, Dec. 1913; 1st pen cock, Hagerstown, Oct. 1913; 1st cock, Cleveland, Dec. 1913. A few males to spare. Eggs and baby chicks. Mating list free.

W. F. SCHULTZ
Box 97 Cuyahoga Falls, O.

Rouen Ducks

Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings.

Sweetbriar Farm
LOUIS B. SCHRAM, Prop.
ELBERON -:- NEW JERSEY

ARE YOU RAISING
Guineas—A Fowl For Farm Women?
They Belong In Every Poultry Yard
THE COUNTRY GENTLEMAN
The Farm Weekly That Is Different
5 Cents the Copy, of all Newsdealers. $1.50 the Year by Mail
THE CURTIS PUBLISHING COMPANY
Independence Square Philadelphia, Pa.

Grow Your Own Vegetables

Cut down your living expenses. You'll be astonished how healthful it is to cultivate a garden and how easy if you use



Planet Jr Garden Tools

You can do more and better hoeing with this tool in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-in. hoes, a plow and a set of cultivator teeth—sufficient for most garden work. FREE an instructive 72-pp. illustrated cat. Send postal today. S. L. ALLEN & CO., Box 1107T, Philadelphia

Tompkins' Strain R. I. Reds



12 years record of prize winnings. Their breeding is based on 45 consecutive years of careful selection. Send for catalogue.

LESTER TOMPKINS CONCORD, MASS.

Poultry Diseases
and
Their Treatment
By F. A. Kaupp, M. D.

A book containing 185 pages, 5x8 inches in size and is profusely illustrated with original half-tone and pen and ink engravings. It shows the many parasites, germs, and bacteria that attack our poultry, as well as tells the names of the diseases, the cause or causes, the symptom and lastly the *treatment for each disease*. The book is printed on a high grade super calendared book paper, substantially bound in cloth, linen sewed to make it flat opening and the title is stamped in gold. Every poultryman should add this very useful book to his library. Remember that we prepay all charges on the book to your town.

Price $1.50
Send all orders to
American Poultry Journal Publishing Co.
542 So. Dearborn Street Chicago, Illinois

Mustard," is hot in the game of chicken raising besides having a great collection of rare and fancy pigeons. In poultry he has Barred Rocks and S. C. White Leghorns and no doubt we will soon meet him in the show room.

* * *

We acknowledge receipt of "The Silver Wyandotte Star," edited by Mrs. Denton Cole, Binghamton, N. Y., a journal devoted to the Silver Wyandottes and its breeders. This first issue looks more than good and we hope this journal will be a big success, for the grand old Silvers deserve the best in the land.

* * *

We can and do deeply sympathize with the family and friends of Mr. Wm. Barry Owen; his death although daily expected for some time, was a shock to us, and we feel his loss. Mr. Owen was a valued friend and he did far more for poultry and his fellow man than will ever be known.

* * *

Mr. James T. Huston of Williamsport, Pa., is sure keeping the columns of the Fancier warm with a good line of general poultry news.

* * *

The friends of Mr. Reese V. Hicks will be pleased to know that he has



"Wingold" Buff Orpington cock. First at International Show, Buffalo, N. Y., 1914; special for best male, also first as cockerel, at Cleveland, 1913. Bred and owned by F. A. Poertner, Berea, O.

been appointed general manager of the International Poultry Sales Co., Browns Mills, N. J. This is a big job, but Mr. Hicks is a big man and we wish him every success.

* * *

This company make the International hovers, feeders, etc., and are also owners of the Rancocas Farms, the largest poultry farm in this country. In poultry they breed the White Rocks and S. C. White Leghorns, and the grand winning records they have made the past few years attest their quality for their winnings were made at New York, Boston, Philadelphia, New York State Fair, etc. Note their special announcement in this issue.

* * *

Mr. M. L. Chapman has charge of their breeding and exhibition departments, an old and valued friend, and a past master in poultrydom.

* * *

The Barred Rock Club 1914 catalogue will be issued this month; now is the time to send for one and to invest $1 for membership.

* * *

Better look up those trains for Chicago soon.

BUFF ORPINGTONS

100 1 year old and 2 year old hens for sale at bargain prices.

SUNRISE POULTRY YARDS,
J. S. and C. A. BARTON
810 Sherman Ave., South Bend, Ind.

PRATTS **Prevent Lice** **PRATTS**

They kill chicks, torture hens and reduce profits. Apply PRATTS LICE KILLER (Powdered). It kills lice instantly.

25c Guaranteed 50c

Ask your dealer or write 3529

Pratt Food Company
Philadelphia Chicago

Don't Feed Green Food!

Do away with the bother by using

Succulenta Tablets

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail $1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to **The Succulenta Co., P. O. Box 405-1, Newark, N. J.**

LICE?

The lice question is quickly settled if you dust your fowls with

Conkey's Lice Powder

It's safe, quick and sure. Saves your poultry profits because it

Kills the Lice
Doesn't Harm Chickens

Price 25 cents, 50 cents and $1.00.

For the mites that hide in the cracks by day and prey on chickens at night, spray your poultry house with

Conkey's Lice Liquid

Cleans them out thoroughly. Quart 35 cents, half gallon 60 cents, gallon $1.00.

For the deadly head louse use

CONKEY'S HEAD LICE OINTMENT

Effective and doesn't harm chicks. 10 and 25 cents. Money back if these preparations do not satisfy.

The G. E. Conkey Co., Cleveland, Ohio

Ask For Conkey's Free Poultry Book



SHOEMAKER'S.
POULTRY BOOK

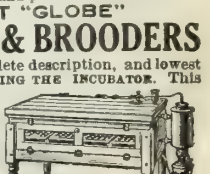


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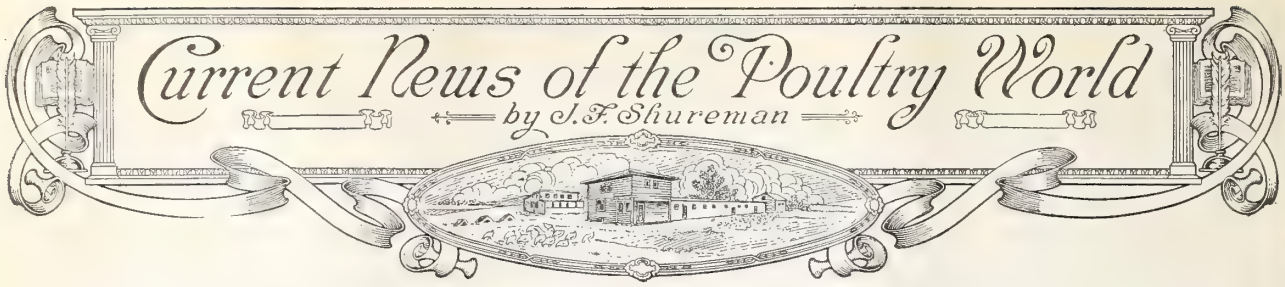
There is nothing in the world like it. It contains over 200 large pages, with many fine illustrations. A number of BEAUTIFUL COLORED PLATES OF FOWLS—showing them in their natural color. Tells all about all kinds of thoroughbred chickens, with life-like illustrations. Prices of eggs for hatching and fowls for breeding purposes. TELLS HOW TO RAISE POULTRY SUCCESSFULLY, their care and management and how to treat all diseases common among them. Gives illustrations and descriptions of convenient poultry houses, and plans to build them.

ALL ABOUT "GLOBE"
INCUBATORS & BROODERS

with fine illustrations, complete description, and lowest prices. ALL ABOUT OPERATING THE INCUBATOR. This chapter is marvelously complete, and worth much more than the price we ask for the whole book. This Poultry Book is worth dollars to anyone interested in the raising of fowls. IT IS AN ENCYCLOPEDIA OF CHICKENDOM, and no one can well afford to be without it. Will be mailed to anyone upon receipt of only 15c. Money refunded if not pleased.



C. C. SHOEMAKER, Box 605, Freeport, Ill.



E. O. Thiem, of Denison, Iowa, has been elected president of the National Poultry Club. Mr. Thiem is one of the oldest and most successful breeders of fine poultry in this country.

R. F. Neubert, who for a number of years has been engaged in the manufacture of incubators at Mankato, Minn., and who for a great many years has been engaged in the breeding of high-class poultry, has sold both his incubator business and his poultry farm to W. A. Weber and several other business men of Mankato. A company has been incorporated to be known as the R. F. Neubert Incubator Company, with a capital stock of $50,000. Mr. Neubert has no plans for the future except that he will take a much needed rest.

The New Jersey branch of the American Poultry Association will this year hold its annual meeting in July, at Vineland, instead of New Brunswick. The Vineland Commercial League is making plans for a big poultry week.

An egg-laying contest for the championship of the world has been suggested as a feature for the Panama-Pacific International Exposition, to be held in San Francisco in 1915. The suggestion comes from A. D. Dunnicliff, Jr., of Sydney, New South Wales, honorary secretary of the Australian laying competition, who has submitted his plan to I. D. Graham, assistant chief of the department of live stock of the exposition. The competition, as proposed by Mr. Dunnicliff, would begin in November of this year and end in November, 1915. The prospects are that the contest will be held.

"The Western Poultryman" is the name of a new monthly poultry periodical that has been launched in Salt Lake City, Utah. The first number was issued in April, and was a very creditable number.

The Sonoma County (Cal.) Poultry Producers' Federation has issued a manifesto urging all poultrymen to insist that Congress take Chinese eggs off the free list and put at least a six-cent tariff on them. The importation of Chinese eggs is a serious menace to the poultry industry of this country, the great egg-producing sections of the country already feeling the effect of the great influx of foreign eggs. If poultrymen throughout the country will write to their Congressmen, urging them to place a tariff of at least six cents per dozen on Chinese eggs, something may be accomplished.

The proposed change of classification from fourth to third class on shipments of live poultry out of South Dakota has, on the request of the State Railway Commission, been suspended pending an investigation on the part of the Interstate Commerce Commission. The proposed change would mean a heavy increase in rates, amounting in some cases to 50 per cent.

In an address before the Missouri Federation of Commercial Clubs at Jefferson City, Mo., recently, Governor Major presented some facts that made his hearers sit up and take notice. Among other things, he said: "The Missouri hen lays twenty-four eggs annually for reach man, woman and child in the United States. The value of the output of the Missouri hen is $50,-

Young's Strain S.C.W. Leghorns

I Have No Other Breeds

They are the standard for all the Leghorns of all America, and the greatest layers of all domestic fowls. At the World's Famous and Premier Show of America, at Madison Sq. Garden, New York, for the past thirteen consecutive years I have won best display and from three to five first prizes, every bird being bred and raised by me.

MY EGGS ARE NOW HALF-PRICE

REMEMBER, YOU CANNOT WIN WITHOUT MY STRAIN. MATING LIST FREE.

D. W. YOUNG - - - - - - - MONROE, N. Y.

Blue Orpingtons Silver Campines

HAVING finished rearing, I offer my best Blue Orpington eggs—best in the world—at $12.50. Second pen $10 a sitting. Silver Campines, $8 and $5 a sitting. Several sound, healthy breeding pens, cock or cockerel and three hens (Blues), correctly mated, $40 each. Bear in mind—I was the introducer into America in 1911, at the Garden Show, N. Y., of Blue Orpingtons, and started all the big American breeders in this variety with my stock.

Birds and eggs shipped at once on receipt of order. Live delivery in New York guaranteed. I have no representative in America.

Max de Bathe, Hartley Court, Reading, England

Member Advisory Committee, Panama-Pacific Exposition, 1915 Vice-Pres. Poultry Club of England

000,000 a year, which exceeds the annual wheat crop of Arkansas, the entire cotton crops of the states of Florida, Tennessee and Louisiana, and the gold produced from the earth of Arizona, Colorado and California in one year. If the eggs laid annually by the Missouri hen were placed end to end, they would reach around the world four times.'' Governor Major evidently believes in the Missouri hen.

Clarinda, Iowa, is fast coming to the front as a poultry and egg center. W. E. Keeney, of that city, is shipping an average of five cars of eggs per week from Clarinda to New York City.

''The Industrious Hen,'' first published and edited by Reese V. Hicks, in Madisonville, Tenn., and later sold to S. B. Newman & Co., of Knoxville, Tenn., who have published it for a number of years, has been sold to the Blair-Young Publishing Company, of Louisville, Ky., who will consolidate it with their magazine, ''Poultry Ideas.'' J. Gaylord Blair will be editor-in-chief.

O. T. Hallman, of Salisbury, N. C., has leased the plant and equipment of the Red Acres Poultry Farm, located near Salisbury, and heretofore operated by C. G. Corliss, and is making many improvements. The plant has a hatching capacity of 5,000 eggs at one time and is a well-equipped plant in every respect.

Wyatt Aiken, member of Congress from South Carolina, makes the statement that a poultryman in his district, a breeder of game chickens on an extensive scale, furnishes General Villa, the new Mexican ''hero,'' with all the game cocks the fighting Mexican uses in his chicken battles, and that Villa has bought his cocks from the South Carolina ranch for the past five years. Congressman Aiken did not give the name of the breeder, but says the farm is within a short distance of the old home of John C. Calhoun, in Abbeville county.

The farmers and poultry breeders in the vicinity of Mott, N. D., have organized a co-operative poultry association. Each farmer will guarantee his eggs. They will be stamped with his number so that in case a bad egg shows up it can be traced to the farm it came from. The association will in turn guarantee the eggs. The plan is to sell direct to the consumer. Already a firm in an eastern city is trying to contract for forty cases a week.

George S. Barnes, of Glyndon, Minn., is establishing a large poultry plant

289 Eggs RECORD FOR 1 HEN IN 1 YEAR **212 Eggs** AVERAGE RECORD FOR 10 HENS IN 1 YEAR

In addition to this, my birds won 296 out of a possible 305 firsts last year, 89 specials; 28 silver cups, one A. P. A. Gold Medal, 8 A.P.A. silver medals. Grand Breeders for sale. Send for special sale list. **BARRED ROCKS, COLUMBIAN WYANDOTTES, BLACK ORPINGTONS**

J. H. WENDLER - - - - - - LAKELAND, FLORIDA

LOOK BUFF WHITE JUBILEE BLACK **ORPINGTON SALE!**



All mature breeders at half-price or less. Greatest Buff and White sale in history of poultry fancy. Stock for absolutely any competition. A **few** grand Blacks and Jubilees. Really choice birds as low as $3. This is **not** so-called **utility** stock, but stock from **National and International Champions.** Do not forget we have plenty of **Pound Chicks** in Orpingtons, and some choice Rocks, Reds, Anconas, Leghorns, Campines, Wyandottes, Minorcas. Our farm flocks are broken up, but all **regular mating** eggs at **half price.** Send two stamps for big catalog, or make it 10c and get magazine one year, colored plate and my book.

CHEVIOT FARMS - - Route 2 - - CINCINNATI, OHIO

BEAU BRUMMEL II



Son of Beau Brummel, Prize Pen Cockerel, Chicago, 1913

33 1/3% June Discount

On Hatching Eggs and Breeding Stock

S.C.White Leghorns

The "Frost White" Strain

Sweepstakes Champions, Indianapolis, Feb. 7, 1914

25 Leghorns entered; 24 ribbon winners.

Write today for illustrated mating list.

Silver Campines

The "Green Sheen" Strain

Sweepstakes Champions, Coliseum, Chicago, 1913

29 Campines entered; 25 ribbon winners.

Write today for illustrated mating list.

SILVER KING I



First prize cock, Coliseum, Chicago, 1912 First prize old pen, Coliseum, Chicago, 1913 Sire of 10 prize winning cockerels and pullets, Coliseum, Chicago, 1913.

PRINCESS FROST WHITE



First Prize Pullet, Indianapolis, 1914; Special prize for best female in her class. Special prize for best pullet in her class. Special prize for best shaped female in her class Special prize best colored female in her class Special prize for best headed female in her class.

THE WILLOWS POULTRY FARM

Frank E. Hering **South Bend, Ind.**

C L A R I B E L



First Prize Pullet, Coliseum Show, Chicago, 1913

WARREN'S REDS PURE CROWTHER STRAIN
Stock and eggs from all my pens at half price during June. Write me your wants.
BELL-VISTA FARM, MENTOR, OHIO

World's Best S. C. Buff Orpingtons Winners for years at Chicago, Pittsburgh and Cleveland.
25 pens mated for the egg trade, half price after June 1st. Mating list free.
Roseland Poultry Farm, Chas. W. Switzer, Prop., South Euclid, O.

Lyman's S. C. White Orpingtons
I have a number of good breeders for sale at less than half-price.
A. F. LYMAN - - - - - - BREMEN, OHIO

BARRED PLYMOUTH ROCKS
Annual breeders sale June 1st. Choice breeders $8 to $20 per pen. Satisfaction guaranteed. Get description.
ACME POULTRY YARD C. A. Gifford, Prop. RUSK, TEXAS

A GOLDEN OPPORTUNITY
To secure some of the best S. C. Reds in the world. Eggs from my Reds will be sold at ½ price after May 15, from all matings listed at $5.00 per setting of 15 and above this price. Hatch your Winter show birds now. Remember, my Reds have been the most consistent winners in the big shows of any strain. Catalogue free. B. H. SCRANTON, Box 350, RISING SUN, IND

SEND FOR OUR CATALOGUE
It explains the Schwalge System of Hot Air Mammoth Incubator Sections.
It will show you the most practical modern method of incubation.
This machine has been thoroughly tested and tried in the experimental stage and one of them hatched over 5,000 duck eggs last season.
Schwalge Bros. & Smith, Box 100, Elmhurst, Ill.

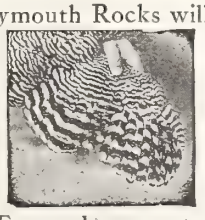
Incubator, Brooder and Poultry Yard SUPPLIES
The Complete Oakes Line of Labor Saving Poultry Yard Devices
We have a copy of our catalogue for you. Send for it today—Catalogue 22B.
THE OAKES MANUFACTURING CO., Factory and Home Office: Tipton, Ind. Eastern Branch: 64 Cliff St., N. Y. City. Can. Warehouse: Toronto, Ont.

"O. K." Poultry Litter
TRADE MARK
Cheaper to use and better than Straw, Clover, Alfalfa, Sawdust, Shavings, etc. In Coops, Laying Houses, Colony Houses and Scratching Pens, "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet smelling and sanitary and needs cleaning out only once in three or four months.
"O. K." Keeps the Brooder Clean, Dry and Sweet
One lot of "O. K." Litter lasts until the chicks have out-grown the brooder, without once cleaning out. "O. K." Litter will NOT BURN. Lice will not come where it is used. TELL US HOW LARGE YOUR HOUSE IS—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.
FREE! Write today for sample of "O. K." Litter and copy of our New Poultry Book
O. K. Company, Dept. 183, 157 Water St., New York
"O. K." Trade Mark is on every bale of the genuine



THE SIMPLICITY KANT-KLOG POULTRY FEEDER
6-quart size, especially adapted for low coops $1.50
This puts an end to all your poultry troubles—no more staying at home on Sundays—go when you like, stay as long as you like. You can rest assured that your chickens will be fed correctly and regularly. It feeds anything from whole corn to millet seed, saves feed, time and labor; it is sparrow and rat proof, never fails to work; it can't clog. Your Money Back If Not Satisfactory. Write for catalog today.
Dealers Wanted
Simplex Supply House, Pontiac Bldg., Chicago, Ills.
Canadian Factory: Birchcliffe Poultry Supply House, Birch Cliff, Ontario, Canada

HALF PRICE
All eggs from the world-famous Aristocrat Barred Plymouth Rocks will be shipped out after May 15th at half price. This means eggs from each and every female I own, even the very best, the very richest. Orders booked now for delivery after May 15. Regular prices are as follows: $10 for 15, $17.50 for 30, $25 for 50, $50 for 100. Half price means just half of the above amounts for these same quality eggs. Eight fertile eggs guaranteed in every setting. Rush your order forward. First come, first served. Every day counts.



W. D. HOLTERMAN, Fancier, Box A, FORT WAYNE, IND.
The Aristocrats are the sensation of the entire Barred Rock world. Every breeder has his eye on them. Look up my large ad. in April issue.

near Glyndon, the buidings already being in course of construction. The laying house will be 330 feet long and there will be numerous other large buildings. An up-to-date equipment will be put in and White Leghorns will be raised exclusively.

On April 20 the "Missouri hen fund" in the state treasury was augmented by the receipt of a check for $1,269.28 from the State Poultry Experiment Station at Mountain Grove, this amount representing the sale of the surplus product of the station for March. The "hen fund" now totals $3,323.85, all derived from the surplus that is produced at the station.

Charles Y. Sumner and Mrs. Miriam Sumner, who last fall were married in a model henhouse, one of the exhibits at the poultry show held in Convention hall, Kansas City, Mo., are again in the limelight. Mrs. Sumner has had her spouse arrested, charging him with desertion and nonsupport. She is very emphatic in her declaration that a "henhouse" wedding is not a success.

A model two-acre farm, upon which poultry will be raised according to the latest scientific principles has been established at Concord, Contra Costa county, California, by the R. N. Burgess Company. It is intended to raise 3,000 hens on this small tract, which will be used as a demonstration farm. The possibilities of poultry raising for the two-acre farmer will be demonstrated. Mrs. A. L. Gardner will be in charge of the farm.

The buildings on the poultry farm owned by George Meyers and located near Preakness, N. J., were totally destroyed by fire one night recently. The loss is estimated at $30,000.

The United States Department of Agriculture has been asked to put a stop to the stuffing of the crops of live poultry in transit with gravel and ground rock, so as to add to their weight. New York poultry dealers estimate that in every 1,000,000 pounds of chickens bought by the housewives of that city, from 250,000 to 300,000 pounds consist of stone, sand and gravel.

Poultrymen of North Dakota are insisting that a complete course in poultry raising be established at the State Agricultural College. So far the poultry work at the college has been exclusively of an experimental nature. So many students feel the need of practical work along poultry lines that at least a short course may be established at the institution.

Last year two shows were held in the city of Washington, D. C., one by the Greater Washington Poultry and Pigeon Club, and the other by the Capital Poultry and Pigeon Association. May 11th committees from these two associations met and arrangements were made whereby a new organization will be formed under the name of National Capital Poultry and Pigeon Association. This assures but one show being held this year and it should be bigger and more successful than any yet held in the city.

Womans Success With Poultry

Helen F. Woods, Editor

A Department for the Exchange of Helpful Poultry Experiences



CEMENT FLOOR FOR POULTRY HOUSE.

BY EDITH GRANGER HAWKES.

OUR new poultry-house, built in the spring, did very nicely for the summer with a dirt floor, here, where the summers are rainless, but before the winter rains set in it was necessary to have something more substantial. After thinking it over, and fired by articles we had read about the uses of cement on the farm, we decided that two women, if they tried, could manage a cement floor for that poultry house.

The house was ten by sixteen feet, with nests built to open on the outside, a row on each side of the door. We placed a board across the inside openings temporarily, and opened up the outside lids, so the hens could use the nests even when we were obliged to shut them out of the house.

The first thing, of course, was to clean and smooth the dirt floor, which was perfectly hard and dry. We planned to do the work in four sections, of four by ten feet each. (If we had been men, probably we should have done it all at once.) So we placed a board on edge, four feet from the back, and braced it so it would not fall. Next we spread a layer of coarse gravel four inches deep over the back section of floor, carrying it in bucket and coal-scuttle. It was heavy, too! This we pounded down as hard as possible with a piece of 4x4 about three feet long.

We had previously made a flat mixing-trough by nailing narrow boards on the sides of a packing-box cover about four feet square. Our sand and gravel was black, all brought from the creek, but some was much finer than the rest. This finer gravel we used unscreened for the body of the floor, and mixed it with the dry cement in the proportion of one bucket of cement to four of gravel. We spread it on the trough, mixing it with a hoe, and adding water with a watering-pot, wetting only a part at a time, and stirring it with a hoe. One of us carried it by the shovelful and poured it out on the gravel foundation, while the other spread and smoothed it out with a mason's trowel, carrying it carefully into corners and edges, and making the back a trifle higher than the front. The cement layer was about two inches thick.

When this layer was finished, we nailed a screen of chicken-wire over the open door, left the back open, so there should be a good circulation of air, and left it to dry over night.

The next day we moved the holding-board four feet toward the front, and made the next section, and the third and fourth days the same. Everything went well until almost the last moment, when one persistent biddy flew up on my back, over my head, and into her home, where she left the prints of her feet to harden as proof that the house was hers!

We were so encouraged with our success that the next year we built another floor, and this time were so ambitious that on the fifth day we screened some of the gravel (first through a wire of quarter-inch mesh, then through screen-wire) to obtain some fine sand, and this we mixed with cement in the proportion of one part cement to three of sand, and spread a thin smooth layer all over the surface of the floor. This year, for the wetting, we used the hose instead of the watering-pot, turning on the faucet so that a thin trickle entered the trough continually.

These houses were easy to clean either by scraping or by hosing, and were so

Crowther's "Aristocrat" S. C. and R. C. Red Eggs at Half Price

IRA M. CROWTHER - - Box A - - WILLOUGHBY, OHIO

GOLD SILVER **CAMPINES** **FAVEROLLES** WHITE BUFF

Buff Faverolle eggs, $7.00 per 15. All other eggs $2.00 per 15; $12.00 per 100. Stock for sale at low prices.

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A FEW FEMALES FOR SALE

SYLVESTER THOS. McCABE 535 W. 4th Avenue COLUMBUS, OHIO

CAMPINES PRUDHOMME'S **CAMPINES**

Eggs half-price the balance of the season. From general matings, $3, two settings $5; show matings $5 the setting. JUNE is the TIME to HATCH THEM for the WINTER SHOWS. You need MY STRAIN. Better get in on the above RIGHT NOW.

DR. J. H. PRUDHOMME, Desk P, Thurmont, Md.

ORPINGTONS Special Summer Sale **ORPINGTONS**

1,000 Breeders, Buffs and Blacks—1,000

Grasp this opportunity to secure some of these "Hardy Canadian Bred" Orpingtons. To make room for the finest lot of youngsters I ever owned I must clear out at **sacrifice prices** many of my valuable breeding and exhibition Buff and Black Orpingtons. **Send today for a copy of my Special Summer Sales List** and get full particulars of this remarkable sale of Orpingtons. Orders now being booked for early-hatched Cockerels and Pullets for Fall and Winter shows.

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Hatching Eggs

One-Half Regular Price

Pens 1-3 - $7.50 Setting
Pens 4-6 - $5.00 Setting
Pens 7-15 - $2.50 Setting
Guaranteed 100 Per Cent Fertile
Pens 15-20 - $2.00 Setting
Guaranteed 90 Per Cent Fertile

UTILITY EGGS
$1.00 Per Setting
$6.00 Per Hundred
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GRANOCK FARMS
S. C. Wh. Leghorns

Winners at Grand Central Palace, Boston, Buffalo and Philadelphia
Breeders at reduced prices. Catalog free.
Granock Farms, Stewart Haddock Poughkeepsie, N.Y.

WILL PAY RELIABLE man or woman $12.50 to distribute 100 **Free** pkgs. Perfumed Borax Soap Powder among friends. No money required. **V. Ward Co., 224 Institute Pl., Chicago.**

Blue and Cuckoo Orpington

eggs from the originator, $5 and $3 per setting. RED ORPINGTON eggs $20 per setting.
Pine Lodge Farm Co., So. Lincoln, Mass.

BABY CHICKS AND DUCKLINGS

S. C. White Leghorns, $10.00 per 100. White Rocks, $12.00 per 100. White Runner Ducklings, $20.00 per 100. Capacity 100,000 annually. Catalog.
Babcock Poultry Farm Fredonia, N. Y.

White Wyandottes

Special prices on breeding and show stock including some of my last winter's winners.
SHERMAN BOWDEN Mansfield, Ohio

PREMIER WHITE WYANDOTTES

"The kind you'll eventually buy". More regular and special prizes than 5 nearest competitors combined at Guelph Show, 1913. Eggs $3 per 15 after May 15th. Mention American Poultry Journal.
SID SAUNDERS, Box A, Ingersoll, Ontario, Canada

MOVING SALE OF
Skinner's Standard White Wyandottes

Continuous winners for the past 10 years. Stock and eggs. Prices sent upon request.
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For Winter Eggs or Show Birds TRY
Columbian Wyandottes

We are the leading breeders. Write us your wants. Stock. Catalog free.
Fenton Poultry Farm Mt. Clemens, Mich.

Payne Bros.' R. C. R. I. Reds

Eggs from the finest matings ever now half price. Catalog free.
PAYNE BROS. Box J Portland, Conn.

Schoof's Buff Orpingtons

The kind that win. Half off on eggs from 3 yards. A son of 1st Chicago Cockerel, 1911, at head of each yard. $2.50 per 15 eggs. All clear eggs replaced free. Write for mating list. W.C. Schoof, Imlay City, Mich.

S. C. White Orpingtons

Now is the time to place your order for Baby Chicks bred from winners. Eggs ½ price balance of season. PARK POULTRY YARDS, Mrs. Reginald Stonestreet, Glendale, Nashville, Tenn.

Cramer's Regal Reds

R. C. Rhode Island Reds exclusively. Bean and Prickett strains. Eggs, $3 for 15, $5 for 30. Tenth Annual Mating List now ready.
Cramer's Red Feather Poultry Yards - Eagleville, Missouri

Co Co Strain SILVER CAMPINES

Our new egg prices are $5 per 15 from best selected pens; $7.50 per 15 from best exhibition matings. Booklet free. J. C. Coffin & Co., Box A, Sewickley, Pa.

EG-O Milk Albumen

Unequaled as a Egg Producer. 55 to 60 per cent Protein. Made from milk. Makes more and larger eggs; bigger and better chicks. Send for circulars.
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Dr. Hess Poultry PAN-A-CE-A

can be used as a tonic and conditioner. Guaranteed to make poultry healthy—make hens lay—help chicks grow and shorten moulting period. Only costs 1 cent a day for thirty fowl. Sold by reliable dealers everywhere.
Dr. Hess & Clark Ashland, O.

Eggs Now Half Price

Having completed our hatching operations for this season we will now dispose of eggs **from all matings at one-half former prices, Utility chicks 10c each after May 20th.**

Moore's S. C. White Leghorns have made a wonderful record at leading shows. Buy eggs now and hatch your next season's winners.
Moore Bros., Moscow, N. Y.



BROWN LEGHORNS

Three first cockerels and two first cocks, Chicago, 1909-10-11. **June Bargains in Best Brown Leghorns**—$10.00 eggs now $5 per 15, $5.00 now $2.50. Not too late to hatch winners for Winter shows Free circular. Address W. H. Wiebke, Box P-348, Fort Wayne, Indiana.

slanted that when hosed the water would all run out at a hole made in one front corner of the wall. The amount of cement used for each house was two sacks. The first floor was built six years ago, and both floors are just as good today as when they were made.

PROFIT WITH INDIAN RUNNER DUCKS.

BY MRS. R. L. PORTER, CHENEYVILLE, LA.

EVERY housewife longs for some means of earning a little extra money. Especially is this true of the farmer's wife, where ready cash is not realized till the crops are gathered in the fall. I know of no better way for the farmer's wife to realize her dreams than by raising a good flock of Indian Runner ducks.

Several years ago I purchased a pair of the White Indian Runners early in May, and nine months later had one hundred and twenty-five ducks past the danger stage. Just one year from the time I purchased the first pair I had three hundred ducks and ducklings, all from that one pair, but there were at this time three generations of ducks in the yard.

There is no more attractive fowl than the alert Indian Runner. I selected the White variety because they breed true to color and because I like a one-color fowl. The Runners are remarkable foragers, very hardy, free from lice and mites and do not require a pond in which to swim. They lay a pure white egg that is as palatable as a hen's egg, and especially desirable for cake making, the yolk being richer than that of the hen's egg, yet very delicate in flavor. I use the whites of the Runner eggs for making icings for cakes, and for French nougat and other candies, and find them unexcelled for this purpose.

For the table there is nothing finer than roast Indian Runner duckling. They are grown at ten weeks and are as tender and juicy as squabs.

The yearling Runner begins the moult about the first of July and are laying again by the last of August or first of September. Mine lay all winter long and from September to January bring good prices for market purposes. After that I use them for sitting, bringing off the first hatch early in February. These early hatched ducklings will if properly fed and cared for, begin laying in July.

For breeding purposes they should be mated in pens of five or six ducks to one drake and not too closely confined. The fertility of the eggs is remarkable. I have frequently had a hen hatch twelve ducklings from as many eggs and raise the entire flock and have them ready to market in less than three months.

The farmer's wife who wants an occasional roast green duckling for her table and who is in search of a desirable way to earn the ever necessary "pin money," will do well to try a flock of these industrious, quick growing "quacks."

J. C. Fishel Appointed Postmaster at Hope, Ind.

The many friends of J. C. Fishel will be pleased to learn that President Wilson has just appointed him postmaster at Hope, Ind. During the many years Mr. Fishel has been breeding and selling White Wyandottes his main object has been to please his patrons, which he has always done. He will, without doubt, carry out the same ideas in connection with the postoffice at Hope.

The Journal congratulates him on his appointment and wishes him every success.

FOR SALE

A lot of good Barred Rock females, pullet mating. What I have is best pens, many of them winners at Chicago and Springfield. Write for prices.—G. A. WALKER, Polo, Ill.



COLORED LEG BANDS

Big Black Figures on White Background.
All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.
A. P. Spiller : Dept. A : Beverly, Mass.



USE THE "ALL-WOOD" BROOD COOP FOR BEST RESULTS

Perfectly lighted and fully ventilated, it is thoroughly sanitary and absolutely rat-proof. Made of wood with combination wood and earth floor, is much cooler in summer than metal. It is built in workmanlike manner, attractive to the eye, and sold

At A Lower Price



than you can build it yourself. As shown in the cut at the right, it can be instantly folded flat and stored away in small space. Satisfaction guaranteed or money refunded. Write today for illustrated circular and price list FREE.
N. W. LUMBER CO., Box 501, New Washington, O.

GOLDEN WYANDOTTES

I have bred them for nineteen years. I won nine out of a possible ten firsts at Boston, 1913 and 1914. I have stock for sale that will improve yours, or will start you right in breeding these beautiful birds. **LOREN H. BROWN, Lock Box 16, Lunenburg, Mass.**



JUNE CLEARANCE SALE

OF UTILITY AND PRIZE STOCK

Write us at once regarding our great clearance sale in which prize winners and utility birds of the leading Leghorn strain are being sold at exceptionally low prices. We are also selling

PRIZE EGGS AT HALF PRICE

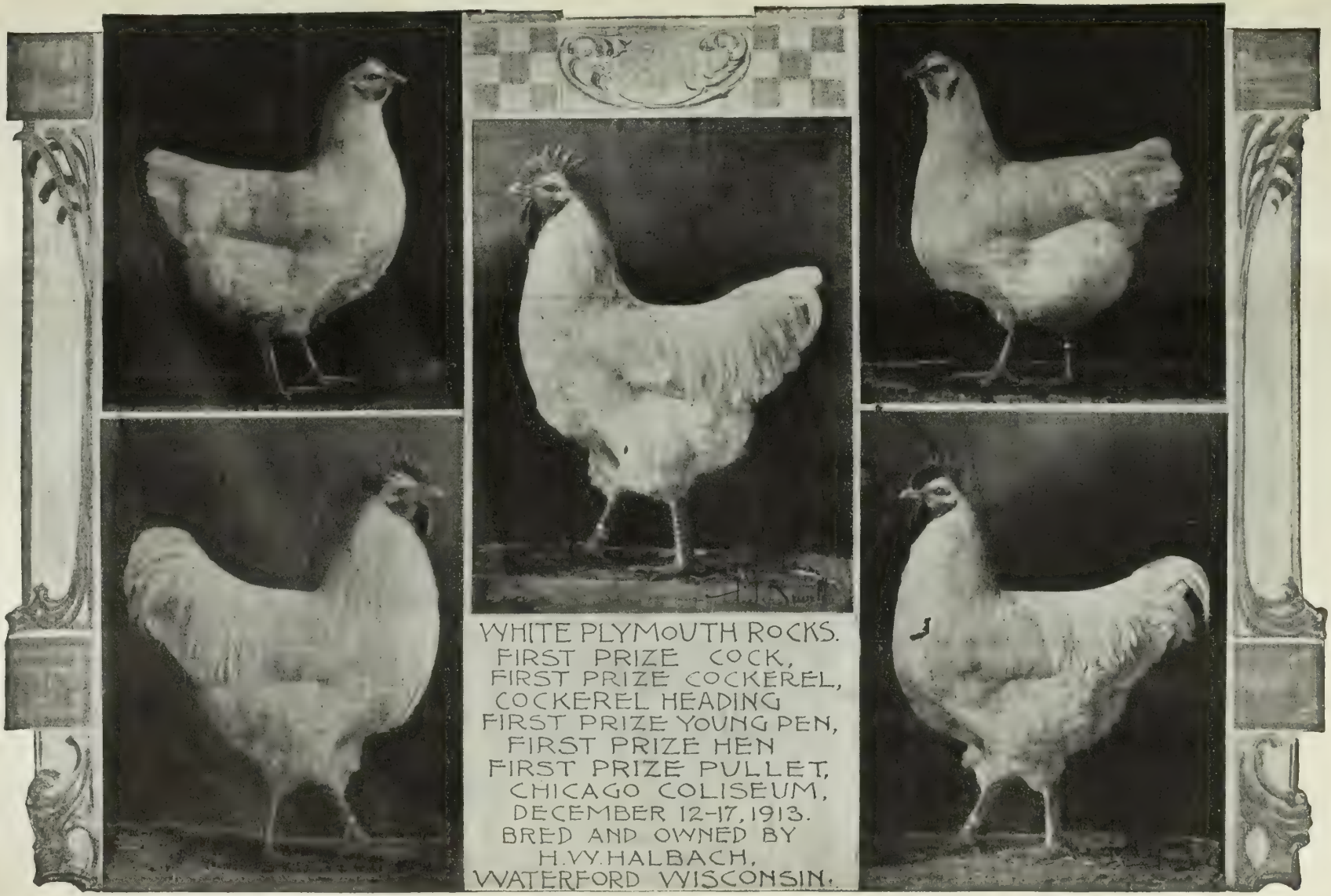
—eggs from birds that have scored as high as 50 prizes from 60 entries—the best birds of the best egg laying breed. June hatched Leghorns produce winners for the winter shows.

MONMOUTH S. C. BUFF AND WHITE LEGHORNS

are strong and healthy, full of vigor, early-maturing, and possessing exhibition and utility qualities which have won for them the title of "The Twentieth Century Dual Purpose Fowl."

Our Beautiful New Catalog and 1914 Mating List gives full description of the breeding pens and their show records, Monmouth equipment, a colored insert of Monmouth Buff Leghorns, etc. Better write *today* for this book and for particulars regarding the sale.

Monmouth Farms J. C. Punderford, Owner Thos. Lockwood, Supt. **Box 23, Freneau, Mon. Co., N. J.**

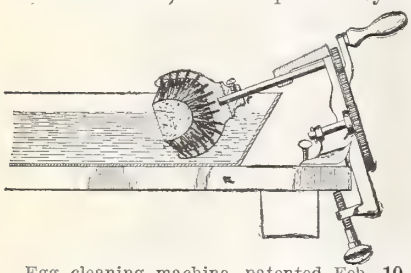


The sensational group of winners at the last Coliseum Poultry Show, Chicago. Their owner and breeder, H. W. Halbach, Waterford, Wis., R. R. No. 1, is now offering exceptional low priced bargains that it will pay our readers to ta ke up. Write to Mr. Halbach and ask him to send you a copy of his special sales sheet.

Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.

An egg-cleaning machine has been invented by Henry M. Fedderson, Petaluma, Cal. The soiled eggs are cleaned by this device by means of a rotating brush which slants down into a basin of water. The brush is supported from a tilted bracket, and is operated by a



Egg cleaning machine, patented Feb. 10, 1914, by Henry M. Fedderson, Petaluma, Cal. No. 1,087,005.

crank and gears so that it may be spun around rapidly and the cleaning accomplished with great expedition. It is undoubtedly a time saver, especially as compared with using a damp cloth for the purpose. Patent 1,087,005.

A Chicken-Coop invented by Ernest E. Bell, Council Hill, Okla., is operated by the chickens themselves. It limits the number of chickens that may enter the coop, and thus tends to obviate the danger of their crowding and suffocation. A tray member, positioned within the coop adjacent the door is mounted to move freely and vertically. This

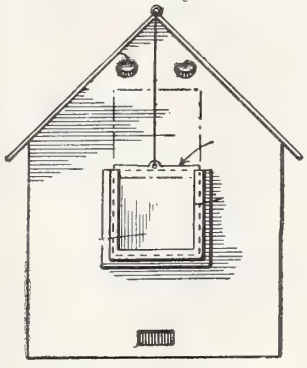


Fig. 1.

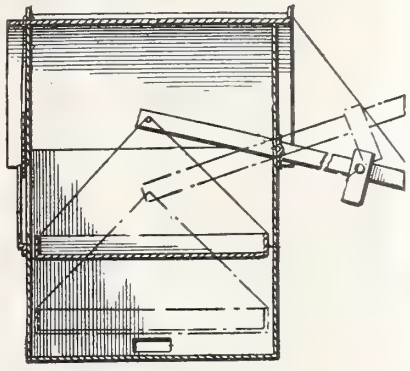
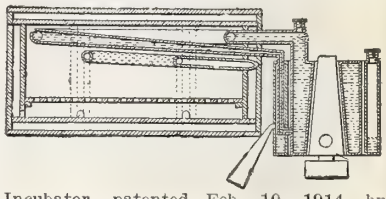


Fig. 2.

Chicken coop, patented Feb. 24, 1914, by Ernest E. Bell, Council Hill, Okla. No. 1,088,516.

tray is suspended from a weighted lever. A door is operated by this lever. When a sufficient number of fowls have entered the tray or pan within the coop to counterbalance the weight, the pan will slowly descend carrying with it the fowls or chickens and the door will slowly close, thereby safely housing the chickens within the coop without frightening them. Patent 1,088,516.

Henry F. Faupel, of Raton, New Mexico, is the inventor of a new incubator. It comprises an annular water tank, a heater disposed therein, an annular air chamber surrounding the water tank and having inlet above its lower end, an air pipe extending from the air chamber into the case, and a water conduit disposed within the case. The water conduit embodies a supply pipe and return pipe, the supply pipe being attached to upper end of the water tank. The outer end of the return pipe extends downwardly through the



Incubator, patented Feb. 10, 1914, by Henry F. Faupel, Raton, New Mexico. No. 1,086,811.

air chamber and is attached to the lower end of the water tank. Patent 1,086,811.

A self-feeder and drinking-fountain for poultry is the invention of Joseph Schlichtinger, of Atlanta, Ga.—and self-feeders are always interesting for they save a lot of labor to the poultryman who prefers to exercise his poultry instead of himself. The device comprises a cylindrical trough, having an upward and inward inclined conical base, with an upward and inward inclined circular wall over this base. This

SENSATION STRAIN RED BABIES

Hen-Hatched R. C. Reds

Two grand pens, with many birds raised by Owen Farms. Chicks from both pens balance of season only $8 per 25, $15 per 50. Safe arrival guaranteed. Order at once. Mention Am. Poultry Journal.

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—for a healthy flock and larger profits. They include: H-O Steam Cooked Chick Feed, Intermediate Scratch, Scratch-Feed, Poultry Feed, Dry Poultry Mash or Chick Feed. Write for sample and prices.

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200 EGG STOCK

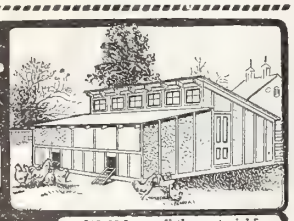
We now offer record yearling hens, $5 value for $2.50; $3 value for $2.00. Pedigrees furnished with stock.

Barred and Buff Rocks, Reds, Buff and White Leghorns, White and Buff Orpingtons

Only a limited number, so order at once.

Sunnyside Farm, Box 1002, Bristol, Vt.

U.S. Gov't Model Poultry House $78.00



$78.00 buys all the material for this Chicken House, planned by the Dept. of Agriculture. Size, 20x14 feet. Our price includes lumber, mill work, roofing, hardware, wire netting, staples and painting material. Other designs of outbuildings and 116 designs of residences shown in our "Book of Modern Homes No. 9845A"—free on request.

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Eggs from 1st Prize Chicago winners, $3 per 15. Utility Eggs $6 per 100. Yearling stock at half price. Sale now on.

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WORLD'S BEST

S. C. Black Minorcas

Canada's Best S. C. Reds

Eggs half price balance of the season.

T. A. FAULDS, London, Ontario, Canada

President Black Minorca Club of Canada

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World's record for winning at Boston. Eggs half price. Book your order for show birds for Fall and Winter Shows now. Send stamp for 24-page catalogue.

J. W. ANDREWS, Box A, Dighton, Mass.

Meat Scraps

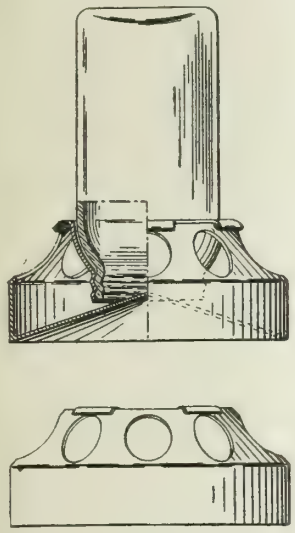
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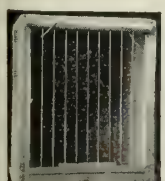
CHICAGO Dept. 1 ILLINOIS

wall has circular feed apertures, as illustrated, and a central opening and catch devices around the opening. A reservoir is provided having its mouth portion projecting downward within the trough below the top of the conical base. There is also provided a downward and inward inclined supporting ring having lower means of engagement with the reservoir mouth portion and upper catch devices separably engaging the catch devices of the inclined circular wall of the trough. The inclination of the wall in which the



Self feeder and drinking fountain, patented March 24, 1914, by Joseph Schlichtinger, Atlanta, Ga. No. 1,091,392.

feeding apertures are located prevents chickens from roosting on the device and insures its sanitary condition at all times. The feed receptacle may readily be removed and filled. Small chickens are favored more than large ones by this device, for they can crane their necks into it when the apertures prove too small for larger fowl, for whom the feed is not intended. It will be understood that the device may be used with equal effectiveness, either as a feed or water receptacle—it is not, however, both at the same time, though its title might imply this. Patent No. 1,091,392.



The HENS rid THEMSELVES of lice with "Warner's Way." Sure—Try it—its practical. Send for catalogue of Show Coops, Shipping Coops, Chick Boxes, Trap-nests or anything in the poultry line to

Warner "THE COOPMAN"

River and Race Streets

ALLEGAN - MICHIGAN

Abernethy's Houdans Make New Records

At Boston's Greatest Show, Jan., 1914

In greatest class ever shown and with 159 birds competing, my birds won Hen 1st, Pen 1st and Specials, showing in three classes only. This great class was the sensation of the show. Have also won at Phila., Mad. Sq. Garden and N. Y. City. Eggs half price for June, and special sale of breeders. Write me your wants. I can suit you.

JAS. ABERNETHY High St. WEST PEMBROKE, MAINE

Flanders' S. C. White Leghorns

Send for catalog of Flanders S. C. W. Leghorn eggs, matings, day-old chicks, etc. The greatest prize winners at the last National (Official) Poultry Show. Unequaled for exhibition, flesh, flavor and hardiness and cost no more than others' second-grade.

Flanders White Leghorn Farm

Box 80 Orchard Lake, Mich.



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

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Buff Orpingtons
White Orpingtons
White Plymouth Rocks
White Wyandottes and
S. C. Rhode Island Reds

Are famous the World over for their vigor, health and productive qualities and for their winning ability in any competition.

They Have Won Their Standing on Merit

EGGS NOW HALF PRICE

From **Best Matings** in the **World** $5.00 per 15; $15.00 per 50; $25.00 per 100. From **Choice Matings** $2:50 per 15; $7.50 per 50; $12.50 per 100. Send for my **Illustrated Catalog** and **Mating List** and **book your order now.**

SALE OF BREEDERS

Will spare you birds from my **Best Matings** at just **Half the Price** they would have cost you last February.

Trios $50, $75 and $100 per Trio.
Pens $75, $100 and $150 per Pen.
Pens of 9 Birds $125, $150 and $200 per Pen.

AN OPPORTUNITY AS GOOD AS THIS HAS NEVER BEEN YOURS BEFORE

Will now spare birds from my **Cheaper Matings** and **Surplus Flocks** at just **Half the Price** they would have cost you last February.

Trios $15, $25 and $35 per Trio.
Pens $15, $25, $35 and $50 per Pen.
Pens of 9 Birds $25, $35, $50, $75 and $100 per Pen.

Order directly from this ad. Receive the **BEST VALUE** and have the **use of these birds the balance of the season.**

Remember, any birds I send you that are not satisfactory I want you to return at my expense and receive back your full purchase price.

I want your order, and remember your absolute, ultimate satisfaction means my permanent success.

OWEN FARMS

107 William St., VINEYARD HAVEN, MASS.

MAURICE F. DELANO, Prop. FRANK H. DAVEY, Supt.

Pacific Coast Department

Conducted by H. H. Collier, Tacoma, Washington.



ONE of the old-time breeders and judges of the Northwest, William W. Browning, of Ogden, Utah, has been appointed postmaster of his town. Thereby hangs a tale. Will is one of the few fellows in Utah that in and out of season has staid by the democratic party. In the lean years of democracy, when republican majorities would stay "put," the democrats had about as much show in Utah as rabbits do after the wheat field has been harvested. "Bunny" always finds a good nesting place before the wheat is cut, but when harvest turns up, Bunny is without a home. That has been the way of the Northwest democrat. He has strived, voted and done everything that a good democrat could, but when the vote has been counted he has always been minus a president. When the Bull Moose went on a rampage in 1912, then the long, lean democrats could see daylight for the first time in many years. As we said before, Will W. Browning staid "put." He was running a printing office down in Ogden. He had a yard full of chickens and a good housewife that always gave him plenty to eat, but with all that Willie was not happy. He knew that the democrats were entitled to win some time and he just staid "put" and none of his republican friends will begrudge him that post-office job in Ogden.

It was a long time ago when I first met Will Browning. I had heard of him for years. The year I met him he was the judge at Salem, Oregon, the great state fair of the Northwest. Will had been brought out at a "stupendous" cost to tell us fellows of the coast what constituted a good chicken. I, wanting to show the "Web Foot" chickenmen what constituted a good chicken, had gathered up from my own yards and the yards of the best around Tacoma a crew of chickens that numbered 84 birds. These chickens had cost us a lot of worry and some of us a lot of good dollars. It was in the nineties, when dollars looked as big as cart wheels and the express companies needed money as bad as the rest of us. I managed to gather up the chickens by agreeing with the owners that I would give them all the prize money, less the expense of entry fees, and other expense that it takes to make a big exhibit. I went down to Salem with fire in my eye. I believed that I knew just how good those Oregonians could raise chickens, as I had judged in several of their shows. I knew that Will W. Browning was to be the ribbon tier, so I felt safe. I had read some of Will Browning's dope. He was then trying to convince Will Sternberg that if he introduced the heavy feathered English Cochin blood into our American production that Buff Cochins would be a few days and full of feathers and that it would not be long before Cochins in America would be a "has been" and not a popular variety. He did not convince Willie Sternberg, but every old-timer knows that Buff Cochins in the average show are as scarce as 96-point pullets.

Willie Browning at that time also treated on buff color. He said that one could not get a solid buff fowl until they had bred black out of the tails and wings. He further said that one could make buff and white as a basis, but he doubted whether one could take a black tail buff and ever get a solid buff tail in any variety. This looked like sound reasoning to me, and I went to work on that line and have since that time produced Buff Rocks with solid buff tails but I bred buffs with white instead of black as an off color.

Having never met Will Browning, knowing that he was from Utah, I said on greeting him, "Glad to meet you. How many wives did you bring?" He said, "Only one this time, but I have had others." Then was the time when I kept quiet. I never, even to this day, found out what Will meant by "I have had others" and I have never asked.

Will Browning is one of the best poultry judges in the Northwest. He has had a way of always getting the right bird in the poultry show and giving the best of satisfaction where he has judged. Will ran a weekly paper once and at one time a poultry paper. During his years as an editor he stood in with the Union Pacific system and could get a ride to most any point on the coast, but that interstate commerce law got a hold of the railroads and from that time on we editors have been forced to put up the coin or we could not ride. There is one thing that the editors cannot understand, even to this day. The railroads in those good old days of passes would haul anyone for three cents per mile, and all of us editors for nothing. Since that time the traveling public has been made to pay three cents a mile and us poor editors had to come through also. We cannot see where the public has been benefited, but it's a "cinch" that we have been hurt. Such is reform.

The state of Washington, through Executive Commissioner Richard Seelye Jones, of the Washington Exposition Commission, has announced the appointment of Harry H. Collier as commissioner of poultry at the Panama-Pacific Exposition, to be held at San Francisco in 1915. The commission that was appointed by Governor Ernest Lister have recognized that poultry is one of the big industries of Washington. An appropriation has been set aside to duplicate all first prizes won at San Francisco by Washington breeders. Whether the commission will go any farther in the matter depends on what prize that the Panama-Pacific Exposition offers. The prize given at Seattle was ten dollars for first in singles and twenty dollars for first on pens. If the Panama-Pacific holds to these prizes, then the Washington appropriation will be large

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enough to pay second prizes, even if the Washington breeders should win twenty-five per cent of the premiums for which they compete. There has been some talk about paying for transportation of the birds to and from San Francisco, but this cannot be settled until we find out what the exposition management decides on as money prizes. A few days ago I had a letter from D. O. Lively, chief of live stock for the Panama-Pacific Exposition, to the effect that he would not appoint a superintendent for the department that would go on the pay roll until April, 1914. That he would not make any kind of appointment until after the meeting of the American Poultry Association. In deferring to the wishes of the American Poultry Association in the matter, Mr. Lively hopes to make the poultry show one of the big things of the fair.

———o———

Good Work With Woods House in Canada.

Editor American Poultry Journal:

In the April A. P. J. I see you have some notes on open-front poultry houses in cold weather, so I think that what follows will perhaps interest you.

We have had about the coldest winter on record here (Kingsbury, Quebec) and of the ten Woods open-front poultry houses in the neighborhood I have heard nothing but good.

I myself have a 12x18 ft. Woods open-front house, in which I have 40 R. C. Rhode Island Red pullets and ten old hens. The house is fitted with 16 "Ideal" trap-nests. Since Nov. 1st these birds laid 2,820 eggs up to March 31st, in spite of the fact that a number of the pullets moulted during the winter, having started to lay early in September, and several of the hens have passed the useful age (for winter laying, at any rate) being 3 and 4 years old.

In February I had 37 birds laying, which produced 453 eggs; 6 of these laid 20 eggs or better each during the 28 days. One pullet "A.68," laid 24 eggs in February. This one is a single-comb sport, so you see the cold did not bother the comb. The best record for the whole winter is that of "A.59," 114 eggs from Nov. 8th to April 20th.

The temperatures and egg production per day during February were as follows:

Date.	Minimum Temperature.	Number Eggs Laid.
1	15°	17
2	10°	11
3	— 5°	15
4	33°	16
5	—10°	21
6	—20°	15
7	22°	11
8	— 5°	16
9	21°	22
10	—20°	8
11	—45°	19
12*	—35°	18
13	—37°	14
14	— 8°	11
15	—15°	16
16	—23°	16
17	—31°	19
18	—25°	11
19	5°	14
20	—15°	19
21	—35°	21
22	—15°	8
23	—30°	21
24	—46°	18
25	—30°	18
26	17°	18
27	32°	20
28	10°	20

*On Feb. 12th it was 10° below zero at noon in the sun. The temperatures given are the minimum for the day, usually between 5 and 6 a. m., and are from the records of the Richmond County Electric Company's hydro-electric power station which is within 100 yards of the poultry house. You will see that there were 19 nights during which the thermometer registered below zero.

The hens were fed wheat, clipped oats and corn, equal parts by weight and fed in deep litter morning and evening. A little extra corn was given on very cold days. Dry mash of ground grains and bran in varying proportions was given containing about 15 per cent beef scraps. Also fed fresh vegetables at noon. There were no frozen combs or wattles among the hens, although there are several single combs in the house. There were four cockerels and two of them got their wattles slightly nipped. However, no attention was given to this and they were all right in a few days. The eggs from this pen ran 92 per cent fertile in April.

I see that you advocate no dropping boards in the Woods house. I did not find this plan satisfactory in this bleak climate where it is very cold and stormy. The hens seemed to be colder when there were no dropping boards and they would roost on the nest platforms. As soon as I put in dropping boards I had no further trouble.

J. W. Danfield.

Kingsbury, Quebec, Canada.

[Note.—We are very glad to have this report and it will interest many readers who have asked about the practical use of the Woods open-front poultry house in extremely cold climates. Here is a report of excellent egg yield, apparently not influenced by the extreme cold, and of fine health and condition of an open house flock during 19 days of below zero weather when the temperature dropped as low as 46 degrees below. The recommendations for dropping boards in cold climates are worth noting. The Woods open-front poultry house is fully described and working plans given in the book "Open-Air Poultry Houses for All Climates," and obtainable of our book department at 75 cents a copy, postpaid. We hope more readers will send in such interesting reports of practical experience with houses and poultry equipment.—Editor A. P. J.]

———o———

With hens laying an average of 150 eggs each a year, which is a higher average than flocks generally maintain, although often reached when fowls are cared for in small numbers, it would require an addition of at least 62,400 laying hens to produce the 65 car loads which the Inland Empire market wants but does not get locally. Here is room for expansion on the practical side of the poultry industry that ought to look good to the man with experience and a special aptitude for the business.

Big book ad on page 907

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"THE TEMPERAMENTAL LEGHORN."

THE temperament or disposition of a Leghorn is the thing that very largely influences the bird's chance of winning in the show room. This fact has been generally overlooked by the average small breeder and exhibitor.

The American Standard of Perfection gives no value to this important quality, yet it probably influences the judge as much in making his awards as any one thing. There is many a bird that appears a fine specimen running in the breeding yard, or on a free range, but put this bird in an exhibition coop and a great change comes over him. He does not show himself to advantage, carries his tail and breast at a different angle, ruffles up the feathers of his neck, tries to get out of the top of the coop, and failing to get away, settles in a corner and shows that he has no desire to hold any intimate relations with man. He does not want anybody to touch him or even look at him at close range. This is an extreme case, but we find this disposition in varying degrees. There are birds that at first appear wild that can with perfect handling be educated into well behaved birds, then there are birds that the first time you put them into a show coop behave perfectly, and there is the before-mentioned bird that shows his fear of any intimate relation with man and no influence can change him. Not only does temperament affect the chances of a bird's winning in the show room, but this disposition is also transmitted to their progeny. In fact, I think disposition is more surely to be transmitted than is shape or color. Many times a novice or beginner in the breeding of exhibition birds goes to visit some large poultry show, looks over the birds carefully and makes up his mind that he has some in his yards that are just as good. He enters them at some show, giving little or no thought as to how the birds will behave in the coop. He probably gets a Standard of Perfection and carefully studies description and scale of points as applied to his particular breed. Now the bird that is a fine actor in the show coop, and is also a good all-around specimen, is extremely rare. Nobody gets very many of them by chance.



M. L. CHAPMAN.
Manager of the breeding and exhibition department of the Rancocas Poultry Farm, Brown's Mills, N. J.

The way to increase this desirable disposition in your flock is to eliminate from your breeding males each year all birds that do not show a desire for the companionship of man. As you stroll along a row of breeding pens you will find occasionally a male that will come down to the fence and will stroll along with you, apparently trying to talk to you and showing every evidence of wanting to get acquainted and that he likes to be noticed and paid attention to. This is a very valuable quality, as it shows that the bird has adapted himself to domestication. Not only is this valuable in the show bird, but is just as useful in a utility bird. Birds that are frightened or that are disturbed or excited do not lay as well as birds that are perfectly quiet. A flock of birds that have been bred with an idea of quiet disposition are not easily frightened. The attendant or stranger can go about them without exciting them in any way. It will always be easy to get these birds to do what you want them to do. A few more eggs from a large flock of hens means a large sum of money. Running over several years this means the difference between success and failure. You can not afford to overlook the question of temperament in your breeding. By paying attention to this, in the course of three or four generations, practically all your birds will be of such a disposition that you can take one of them up at any time and put it in a show coop, and it can be at once posed and it will show off at its best.

Birds of the American class are for the most part naturally quiet and will pose nicely with training. With the Mediterranean breeds it is a different matter. A great many flocks of these are extremely wild. Leghorns, as a rule, require more time spent on their education. The best way to handle a male that you wish to exhibit is to take him off the roost at night. You can then get him without exciting him very much; put in an Empire exhibition cage and leave alone the first day. Let him look the cage over and find out that he can not get away. Next day take a hen that has previously been coop trained and is quiet, put her in with the male. Then several times a day feed her a little out of your hand. The male will soon begin to evince an interest; as a rule, he will soon come up and eat with the hen. When he does this you have partly got his confidence, and you will gradually get him so that you can handle him and pose him. This takes anywhere from a week to a month.

Now, you can not expect the birds to stay in a show coop all this time. Along in the fall, when we are handling a lot of birds, we cage up forty or fifty males every night, put them in Empire coops, fuss with all of them, and the next morning about 10 or 11 o'clock put them all back in their pens. In this way they do not get stale and gradually acquire a show room demeanor that adds at least 50 per cent to the probabilities of their becoming winning birds.

There are quite a number of birds that can never be trained. A bird that screams at the top of his voice every time you take hold of him and that seems to go into hysterics if you just look at him closely can very seldom be broken to amount to anything. I have worked for three months on an especially promising bird, finally getting him so that he would behave quite satisfactorily for me. When he was put

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into the show room in strange surroundings with strange people walking by, and when a strange judge came up to examine him and take him out of the coop, he simply went to pieces, forgetting everything that he had been taught, and acted like a regular fool, not getting a second look from the judge and all the ribbons going to birds that he could easily beat if he had stood up and faced the music like a man. I have often thought that in our scale of points that there should be some value given to the temperament or disposition of the birds, because every judge does consciously or unconsciously give great value to it, and it is something that the beginner does not get a line on for a long time. The success of the leading exhibitors is largely due to their knowledge of this. I might also add that this explains to a certain extent why birds that the leading breeders send out to be shown in strong competition cost so much. You are not only paying for the bird but you are paying for a certain amount of time that has been spent handling and educating the specimen.

M. L. Chapman.

Brown's Mills, N. J.

A WORLD'S POULTRY CONGRESS.

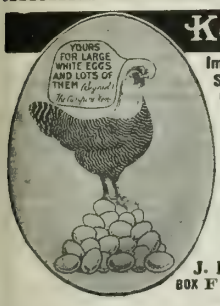
HIS Excellency, Mynheer Greub, Netherlands Minister of Agriculture, has given through Mr. Edward Brown, F. L. S., president of the International Association of Poultry Instructors and Investigators, on behalf of his government a cordial invitation for holding the first World's Poultry Congress at The Hague in 1916. This invitation has been unanimously accepted by the council of that association, at whose preliminary meetings held in London nearly two years ago a resolution was passed that such congress should be held every three years. It was originally intended that the first should meet in 1915, but at the request of the Dutch government it was postponed until the following year.

No more suitable country could have been chosen for a gathering of this nature than Holland, where of late years great developments have taken place in connection with the poultry industry, presenting special features not met with elsewhere. The central position of The Hague and the facilities found there for holding international gatherings are so abundant, make the choice exceptionally favorable.

In due course official notification and invitations will be issued by the Netherlands ministry through the regular channels. Meanwhile, it may be intimated that the first World's Poultry Congress will deal with every side of the industry—breeding, production, hygiene, education, research and trade. It is hoped that in many of the leading countries committees will be formed to coöperate with an executive committee which is in process of formation.

Back Numbers Wanted.

The Librarian of Congress, Washington, D. C., is very desirous of securing a copy of the December, 1911, and November, 1912, issues of American Poultry Journal to complete the library files. Any of our subscribers who has either one of the above numbers to spare will confer a favor on us by sending them to the Librarian of Congress, Washington, D. C., or direct to this office.



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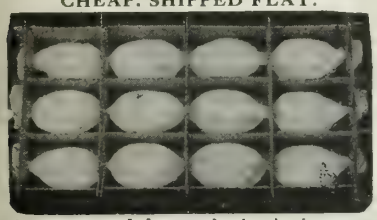
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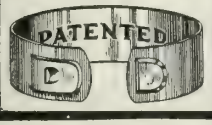
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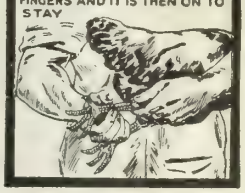
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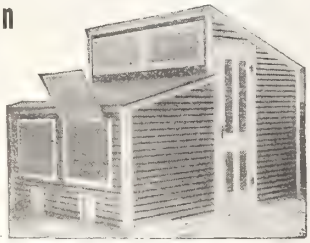
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Stock and eggs for sale. S. C. Rhode Island Reds, Lester Tompkins' Strain. S. C. White Leghorns, Lakewood Strain. Show birds.

Perfection Portable Poultry House Co.
4038 N. CALIFORNIA AVE. Phone Irving 225 CHICAGO
(In no way connected with any other Co.)

Aldrich White Orpingtons.

Aldrich Poultry Farm, 5075 N. High St., Columbus, Ohio, are having a special egg sale. They are offering their Quality eggs at such great bargain prices that you cannot afford to pass this by without sending them an order. To every customer purchasing eggs from them to the amount of $5.00 during the balance of season they will send a copy of their booklet entitled "From the Shell to the Show-room." This tells how the birds are hatched, fed, mated and conditioned for the show-room. After June 1st this firm will offer a number of choice birds at half the prices quoted in their catalog. They are doing this to make room for their young stock. Now is the time to write them for special reduced price list. They guarantee to please.

White House Strain S. C. White Leghorns.

It is with great pleasure that we call our readers' attention to the ad of the White House Poultry Farm, located at Hammonton, N. J. We have just received one of their handsome catalogs, a copy of which will be sent free for the asking. They guarantee their stock as represented and treat all customers fairly and honestly. If in need of stock, eggs or baby chicks in S. C. White Leghorns, write them.

Ferris Improved White Leghorns.

Geo. B. Ferris, Grand Rapids, Mich., has advised us that he now is offering laying, breeding and exhibition stock for sale at greatly reduced prices up to August 1st, 1914. He is also making a great reduction in prices of hatching eggs and baby chicks for June. Write for his special summer price list. It's free for the asking.

Warren's Reds.

Special bargains for June in Warren's Reds, stock or eggs. Prices cut to one-half. Write Bell-Vista Farm, Mentor, Ohio, for price list and catalog.

Mr. A. B. Moe, of Chicago, thinks he has invented the "last cry" in feed hoppers, for he has constructed one on a principle hitherto unused, with a gradual enlargement toward the base, which in itself is sufficient to prevent the feed choking but with the added precaution of a neat contrivance, which is set in vibration by the chickens feeding, also tending to force the feed downward. The trough is ingeniously constructed, with every safeguard placed to prevent the birds throwing out and wasting the feed. It is constructed of galvanized iron, and both rat proof and rain proof when closed.

This makes one more useful article added to Moe's already well known line of high class poultry appliances and is manufactured in three sizes, at very low prices. Write Otis & Moe Manufacturing Co., Otis Bldg., Chicago, for full description, and complete catalogue.

Any of our readers interested in S. C. Black Minorcas, the great all winter layers, will do well to write to Charles G. Pape, Ft. Wayne, Ind., for a copy of his reduced price list on stock, eggs and baby chicks. You can save money by ordering now. Mention A. P. J.

E. A. Webb, Ewing, Ill., will sell some of his fine Blue Wave Barred Rock breeders and some fine show specimens at one-half price now. See ad elsewhere in this issue and write him for prices.

FANCY AND MARKET **EGG BOXES**
FOR SHIPMENTS BY
PARCEL POST OR EXPRESS
Write for our Parcel Post Package Booklet, which gives postal rates and regulations.
THE SEFTON MFG. CO. 1329 W. 35th ST. CHICAGO, ILL.
Makers of Eyrie and Anderson Egg Boxes, Eyrie Shipping Coops, Sefton Live Chick Boxes.

Plain truth is, you will have no lousy hens if you paint the inside of your henhouse with
AVENARIUS CARBOLINEUM
(Registered)
once a year. It is guaranteed. Write for circulars and testimonials.
Carbolineum Wood Preserving Co. Dept. 50, Milwaukee, Wis.



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Cut down living expenses—raise poultry for your own use and for sale to neighbors. Thousands make money this way with
SUCCESSFUL INCUBATORS
SUCCESSFUL BROODERS
Life Producers—Life Preservers
$6.75 and up
Why don't you do the same? Learn how easy it is to start. Booklet "How to Raise 48 out of 50 Chicks"—10c. Catalogue FREE. Write today. Address
Des Moines Incubator Co., 1 Second St., Des Moines, Ia.

Ideal Aluminum



LEG BANDS for POULTRY and PIGEONS are the acknowledged leaders. Firmest and most secure lock. GUARANTEED to stay on. Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c; 175-$1.00; 200-$1.10; 500-$2.50. Price list and sample 2c.
Frank Myers, Mfgr., Box 40, Freeport, Ill.

BROWN POULTRY FENCE — WE PAY FREIGHT

Costs less than cheap netting, lasts 5 times as long. Top wire 9 1-2 guage, bottom wires 1 inch apart—all heavily *Double galvanized*. Rust proof, stock strong, chick tight. *Sold direct from factory, freight prepaid anywhere.* Mail postal now for *free books and sample to test.*
Address: THE BROWN FENCE & WIRE CO.
Department 3 - - - CLEVELAND, OHIO

Perfect Parcels Post Egg Boxes Cartons and Chick Boxes



Money back if not O. K. Write for free catalog.
RIPPLEY MFG. CO.
Box 027 Grafton, Ill.

$8.50 Buys 150 Egg Incubator
and 150 CHICK BROODER



The most startling offer ever made. Quality guaranteed—money back if not satisfied. $8.50 buys two—Think! Why pay more? Write quick for details.
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Incubator $6 Brooder $3

See The "BUCKEYE"



Guaranteed to hatch every hatchable egg. Over 325,000 in use. Send for Catalogue and dealer's name where you can see one and how it works.
The Buckeye Incubator Co.
501 Euclid Avenue Springfield, Ohio
SOLD AS LOW AS $10.00

Natural Hen Incubator $3



No freight to pay. Actual hen controls everything. No lamp, no costly mistakes. Best incubator in the world.
Approved by Over 600,000 Buyers
Mr. J. M. Peyla, Braidwood, Ill., writes: "It is the best thing I ever saw for hatching chicks." Another: "I hatched 99 chicks from 102 eggs." Thousands of other similar testimonials. Agents wanted.
Catalog Free, with Special Introductory Offer
Natural Hen Inc. Co., Sta. B, Dept. 4, Los Angeles, Cal.

One Gal. Oil — Saves 75c to $1.25 every time. The one incubator with heating plant underneath. Flame automatically regulated. Saves work. Gives more Chicks. — One Filling

X-RAY INCUBATOR
Direct from factory. We pay freight.
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X-Ray Incubator Co. Des Moines, Iowa
Send for Free Book



$39.00 BUYS THIS SIMPLEX WATER WORKS SYSTEM System



guaranteed to do your work. Sixty days free trial. Other sizes as cheap. Pumps, motors and engines. Write for our New Way Selling Plan No. 61
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The Baltimore Co., Baltimore, Md.

White Plymouth Rocks

From Prize Winning Matings

Many years of experienced line breeding with superior stock, insures you of full value for your money. These general purpose and utility birds are raised free range on a forty acre farm.

PRICES

Hen Eggs.....$1.50 to $9 per 15
Baby Chicks.....15c to $1 each
Duck Eggs.....25c to $1 each
Ducklings.....40c to $1 each
Breeding Stock .....$1.50, $2, $3 and more

Special prices in quantities. Discount to first inquiry in each city. Write your wants.

White Indian Runner Ducks

J. H. LYNCH, R. 7 Opdyke, Ill.

Vermin-Proof Poultry Houses

Made of Plasto-Asphalt lumber, the new fire-proof material. Superior to lumber or any other material for poultry house construction.

Send for free sample and our free catalogue of poultry houses.

Do it today.

THE UNIT CONSTRUCTION CO.
Box A Brookfield, Ill.

White Wyandottes

Eggs from Philadelphia winners, after May 20th $1.50 and $2.50 per 15. Utility, $1.00 per 15, $5.00 per 100. Chicks, $7.00 per 50, $13.00 per 100. Send for free cat.

CARR BROS.
Celtic Poultry Farm VINELAND, N. J.

Right now the

Simplex Brooder Stove Co.

is really delivering profits to its thousands of users—its chicks are thriving. The Simplex has six years success behind it. Let the Simplex do the mothering of your broods—it's real chick insurance.

We will ship the day your order comes. Write for catalog.

Simplex Brooder Stove Co.
220 Fourth St. Grand Rapids, Mich.



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THE TRINIDAD-LAKE-ASPHALT
Ready Roofing

makes all your buildings lastingly weatherproof. The natural oils of this asphalt give it life.

The KANT-LEAK KLEET makes seams weathertight. Write for samples and the Good Roof Guide Book.

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Largest producers in the world of asphalt and ready roofing

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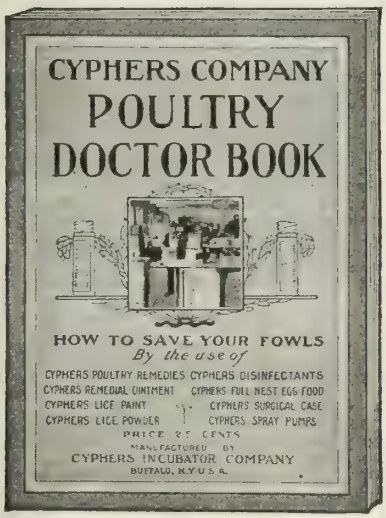
A New Poultry Doctor Book.

On page 911 the Cyphers Incubator Company, Buffalo, N. Y., announces the publication of a new, up-to-date Poultry Doctor Book which will be ready for mailing this month. This book is the third of a series of popular hand books published by this company and we predict for it a great demand.

The practical poultryman prefers to prevent disease rather than to doctor sick birds and special attention is given to prevention and sanitation in this book. Every one who wants to keep his fowls in the best possible health and his buildings and yards free from infection will find this book a thoroughly reliable source of plain, common-sense, dependable information. When diseases must be treated, full direction for doing so will be found in this book and the simple, labor-saving "Cyphers Method" of doctoring sick fowls will be of interest to all. Special attention is given to the diseases that cause the heaviest losses in the poultry yard and the very latest information is given on such puzzling questions as white diarrhea in chicks, cholera and roup in fowls and blackhead in turkeys.

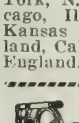
CUT

The "Cyphers Company Chart of Poultry Diseases and Remedies" is published for the first time, in this book, and it will



prove of special value to the busy poultryman. In this chart the common symptoms of different diseases are given, also their names, the proper treatment and most effective means of prevention—all arranged in four parallel columns, thus making it a simple and easy matter to diagnose diseases with certainty and learn the proper treatment—and to do this in a moment's time.

The "Cyphers Company Poultry Doctor Book" contains 32 large pages, is well illustrated and attractively bound, and should be in the library of every poultryman. The price of the book is 25 cents, but the Cyphers Incubator Company has arranged to mail a first-edition copy free to every subscriber who sends in his application promptly, mentioning this paper. Send for your copy today, writing direct to the Home Office of Cyphers Incubator Company, Buffalo, N. Y., or address the company's nearest branch store, as follows: 12-14 Canal St., Boston, Mass.; 41 Barclay St., New York, N. Y.; 329-331 Plymouth Court, Chicago, Ill.; 317-319 Southwest Boulevard, Kansas City, Mo.; 2127 Broadway, Oakland, Cal.; 121 Finsbury Pavement, London, England.



Crown Bone Cutter

Cuts up scrap bones easily and quickly—no trouble. Feed your hens fresh cut green bone daily and get more eggs. Send for catalogue.

Best Made Lowest in Price

WILSON BROS., Box F25, Easton, Pa.

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LEG BANDS

With Raised Figures

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Made from Aluminum, strong, durable, smooth edges.

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Adjustable

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Smith's White Leghorns

Always Win at the Largest Shows. If interested send for Catalog—Free upon request. Write today

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The Queen

Incubator built to last 25 years. Record hatches, strong, livable chicks, fair price. Poultry Guide and Catalog free. Address

QUEEN INC. CO., Box 4 Lincoln, Neb.
Pratt Food Co., East'n Dist'r Phila., Pa.



HERE IT IS FOR $4.00

A Great Big Hand Grinder

that will save its cost several times a year and will furnish one to two bushels per hour of fresh ground corn, oats, peas, dry bone, oyster shells, etc., for poultry feed. A child can operate it. Shipping wt. 40lbs.

We also build a full line of POWER FEED MILLS, SAMSON WIND MILLS, GASOLINE ENGINES. Ask for catalogs.

Stover Mfg. Co., 318 Plymouth St., Freeport, Ill.

RAYO Incubator FREE Hatching Chart



Sample sent FREE with Money-Making Book to everybody. $1.50 Hygrometer and Complete Hatching Chart free with each Rayo. Rayo hatches 15 to 20 or more chicks over old-style machines. Runs automatically on 1 gal. of oil; one filling to a hatch. Low freight prepaid prices. Get Book 11 of Hatching Facts.

RAYO INCUBATOR CO., 1012 S. 13th Street, Omaha, Neb.



Conkey's Starting Food *for* Baby Chicks

Is a ready prepared food that supplies the right elements for proper nourishment and vigor. Its use

Makes Chicks Sturdy

Prepares and strengthens them for regular ration. Saves trouble and worry.

Lessens Leg Weakness

Guaranteed to satisfy or money back. 25 lbs. $1.65, 50 lbs. $3, 100 lbs. $5.75. Small sizes 10c, 25c, 50c and $1.

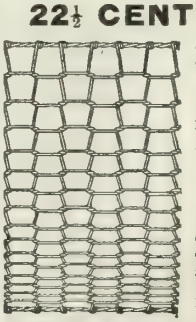
Conkey's Lice Powder

Dusted on sitting hens rids them of lice and keeps chicks free from these disease breeding pests. 10c, 25c, 50c and $1 pkgs.

The G. E. Conkey Co., Cleveland, O.

POULTRY FENCE

22½ CENTS A ROD



48 inches high. Has 4½ inch mesh and graduated spacing of line wires from 1½ at bottom to 3⅜ inches at top. Fewer posts and no base board or top rail required.

STRETCHES UP LIKE A FARM FENCE

27½c for a 48 inch Combined Poultry and Stock Fence made of heavier wire and 6 inch mesh.

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You get it from the factory direct and **save the Dealers Profit.** Other heights and styles of Poultry Fence as well as Farm, Stock and Lawn Fence shown in large Free Catalog. Write for it today.

Box 295 KITSELMAN BROTHERS, Muncie, Indiana.



PARTIAL VIEW OF THE LAYING AND COLONY HOUSES ON THE FARM OF J. W. PARKS, ALTOONA, PA.

Bred-to-Lay Barred Rocks.

A mammoth plant devoted exclusively to the breeding of Quality Layers, the practical poultry question, eggs and meat with profit. J. W. Parks, Altoona, Pa.

The impressive features first and last noted by the visitor to the home and yards of Mr. J. W. Parks, breeder and originator of the Parks strain of Bred-to-Lay Barred Plymouth Rocks is the general business air and system in every department and branch of the plant. In the hen house, the buildings, nests, yards and stock all show care, also the general arrangements of buildings. In the incubator cellar, brooder house, office, etc., it is all the same. The system has been worked out and is closely followed by all from the "Boss" down.

Since our last visit to this plant two years ago many changes have been made. New houses have been built, others enlarged and withal they are still today barely able to keep up with the demand made upon them for breeding stock, hatching eggs and day-old chicks. Mr. Parks is up and doing and planning more improvements. He is a "live wire," a man of many and broad ideas and we point to him with special pride for what he has done and accomplished for better poultry.

We believe the real originator of this line was Mr. Joseph R. Parks, Sr., father of Mr. J. W. Parks, at least we know this line has been bred by father and son for about 30 years with the one special quality of bred-to-lay in view. While laying quality is the special aim today Mr. Parks, by careful selection, has also improved his birds and kept them abreast of the times, and during this last season they have been exhibited in five states, making records of worth and winning special favor at each show for their sturdiness and general quality. Exhibiting eggs has also been one of Mr. Parks' favorite ideas and he has won East and West on exhibits made.

From records shown us by Mr. Parks we could fill pages with accounts of laying records made by his birds, both at his own place and also by those sold whose records were sent in by customers. In this line Mr. Parks handed us between 400 and 500 letters received within a year from customers telling of their success with his stock and of their laying quality, but space forbids, still we wish to refer this, as it is one of the best recommends we can give, the man that pleases customers as Mr. Parks most evidently does is worthy of every consideration.

The stock as seen by us at this plant is easily 25 per cent improved in feather since two years ago, in form they are extra, the fine long backs and bodies, well carried and good heads promise much. They are built like layers and look the part expected from them. The males average good size, are deep and full, with good length; the females are above the average in size, long and deep. Health and vigor are plainly seen while their houses and conditions are of the best to insure results.

The poultry houses are of the "colony" plan. Each has a roosting and scratching compartment. They are set in long, double rows and each has a large yard running down to an unfailing creek. Poultry will never do well if they are not at their best under these conditions.

In the incubator cellar are two mammoth machines with a capacity of 23,500 eggs every three weeks. Several compartments were hatching when we were there and we could not help but note the strong, large fluffy chicks produced. The brooder house connects and a skilled man is in charge here who surely is producing the goods.

Mr. Parks has issued a new catalog that is well worth having and reading, for it is brimful of good stuff from cover to cover. His article therein, "Building a 200-Egg Strain," is particularly valuable, as are also other articles.

This is a plant of progress with prosperity evident. It is the result of successful labor and Mr. Parks is entitled to every credit. He has demonstrated that careful breeding and selecting produces greater layers, and he has also proven that there is a demand for special quality layers.—H. P. Schwab.

S. C. White Orpingtons.

We have lately received four letters from breeders who have bought either stock or eggs from Mr. and Mrs. P. A. Demgar, Brown Station, N. Y., who highly compliment them for the quality and general treatment received from them and we are glad to give this special mention, and trust it may further benefit Mr. Demgar.

We first met this party and saw their line of birds at the last New York State Fair, when in a great class of birds they

Red Sussex Farms Speckled

Importers and Breeders of England's and America's Best Red Sussex

Champion Strain

Write for *reduced prices* of *Eggs* from *America's Best Red Sussex Matings.* *No Speckled Eggs* for sale. Booking orders for stock for fall delivery.

WHAT OUR CUSTOMERS SAY

W. F. Frase, E. Akron, O., writes:—"I get four eggs a day from four females in the pen you imported for me."

Carl Ferguson, Indianapolis, says:—"Eggs arrived in fine shape."

Grey de Rutlege, Northfields Ranch, Roundup, Mont., who is back and forth from England several times a year and breeder of several varieties, says:—"Sussex have proven by actual test, the best winter layers I have ever handled."

Dr. C. P. Linheart, 350 State St., Columbus, O., writes:—"Eggs came yesterday. Only one cockerel in lot. A nice looking lot of eggs, larger than the average."

Satisfaction Guaranteed RED SUSSEX FARMS Myron W. Mills, Prop. H. H. Coburn, Mgr. Marysville, Mich.



PARTIAL VIEW OF THE LAYING AND COLONY HOUSES ON THE FARM OF J. W. PARKS, ALTOONA, PA.

won about all the first prizes and several others with a beauty line of stock that showed the highest quality and the best of care, a line we were pleased to recommend at the time and one that has had a grand good season. These birds have size and bone and are unusually white, full of vigor and vitality.

Mr. Demgar now writes us that he has several breeders to spare at from $2.50 to $5 each, and for the balance of the season they will sell eggs at $1.25 and $2.50 per 15. Here is the breeder's opportunity to buy reliable goods at most reasonable prices.—H. P. Schwab.

Captain Max J. De Bathe, Hartley Court, Reading, England.

We are in receipt of a letter from Captain Max J. De Bathe on his return to England from Burmah, where he has been hunting and had succeeded in shooting a 9-foot tiger. From the New York show, where the Captain has exhibited for two or three years and also has been one of the judges, he returned to England and since has been most around the world on a shooting and pleasure trip and from the tone of his letter we believe he has had a most enjoyable trip

But with all in view most of his letter is devoted to poultry and he reports an extraordinary fine and large crop of youngsters coming fast and good. To the American breeders Captain Max De Bathe is best known as a Blue Orpington breeder and we believe he was the first to export them to this country, and also to exhibit them here at the Madison Square Garden, New York, show. After that he judged them at New York and since has again been an exhibitor, and has yearly attended the New York show.

Beside the Blue Orpingtons Mr. De Bathe also breeds Black, White and Jubilee Orpingtons, Silver Campines, Buff Orpington Ducks and White Turkeys. Note his change of ad and write him your wants.—H. P. Schwab.

New Sixth Edition of Rankin's Duck Book Just Published.

Every duck breeder everywhere needs a copy of the enlarged and revised sixth edition of "Duck Culture," written by James Rankin, recognized as America's greatest authority on duck growing for almost a generation, who is now over 80 years old.

This book is now off the press and ready for distribution. In this new editon, containing over 100 pages and fully illustrated, Mr. Rankin takes the duck grower by the hand and leads him along the practical paths to success and larger profits.

"Duck Culture" is not a book of theories, but tells how to get the best results with the least possible labor and waste. In it the author covers not only every conceivable point about breeding, feeding, mating, housing, incubating and marketing every variety of ducks, but he also describes fully his famous feed formulas, house plans and his home treatment of diseases.

Five editions of 10,000 copies each of this valuable book have already been published and as the name of James Rankin has been associated with duck raising for so many years, there is a big demand for copies of this sixth edition. By special arrangement with the publishers, The A. D. Hosterman Co., of Springfield, Ohio, publisher of Poultry Success, who has been fortunate in securing the publishing rights of "Duck Culture" from Mr. Rankin, we can offer this book to our readers for only 75 cents a copy or $1.40 with a year's subscription to American Poultry Journal.

Eastern Breeders' Notes.

By H. P. Schwab.

Note ad of the Rancocas Farms. They offer a large line of their prize winners for sale in White Rocks and S. C. White Leghorns. In this special sale are included many noted winners. This line is too well known to require special mention at this time; suffice to say Mr. Reese V. Hicks is the general manager and Mr. M. L. Chapman superintendent of poultry. When at these farms lately we were surprised at the amount and quality of their stock. It is a dependable line, and we are pleased to recommend it. Look up their ad and write them your wants.

The Manhattan Farms, Brighton, N. Y., Geo. E. Noeth, owner, have been putting out some very nifty advertising. Well, they also have the class in Silver and Golden Campines, as their winnings at New



Uhl's Day-Old Chicks Are Highest Quality

CAPACITY 35,000 CHICKS PER WEEK

WE have the largest and one of the oldest hatcheries in America. Our catalogue of 100 illustrations will tell you what some of our thousands of satisfied customers have done, and the prizes they won with our chicks. Be sure to send for one if you want to buy some of the very best chicks obtainable, that will double your investment many times in a few months.

We Furnish 24 Varieties

WHITE, BROWN AND BUFF LEGHORNS
BARRED, WHITE AND BUFF ROCKS
WHITE, BUFF AND BLACK ORPINGTONS
WHITE, SILVER, GOLDEN AND BUFF WYANDOTTES
REDS, BRAHMAS, LANGSHANS, ANCONAS, SPANISH, ETC.

Illustrated Catalog, etc., free

M. UHL & CO., NEW WASHINGTON, O.

POULTRY CUTS
Our new catalog now ready; latest and best designs; all varieties; ask for it today
Chas. L. Stiles, Columbus, Ohio

MONUMENTS
White Bronze is more enduring than granite and is less expensive. Does not chip, crumble or become moss-grown. Has stood every test for over forty years. Work delivered anywhere. Write for handsome Booklet—free.
Reliable Representatives wanted
THE MONUMENTAL BRONZE CO.
435 Howard Ave., Bridgeport, Conn.

Largest & Best Steel Brooder Made
Thousands of satisfied customers. 10 sq. ft. floor space in each brooder and yard. Perfect ventilation light weight, dry, strong, easily cleaned and kept clean. Saves time, trouble, chicks and money. *Write for circular.*
C. F. GRIMM MFG. CO.
517 Main Street ATCHISON, KANSAS

Wendell's
SANITARY POULTRY SUPPLIES
INCUBATORS, BROODERS, NON-FREEZING FOUNTAINS, FEEDERS, OAT SPROUTERS AND 60 MORE LABOR SAVING ARTICLES FOR THE PRACTICAL POULTRY MAN
GET OUR BIG FREE BOOK ADDRESS
WENDELL INCUBATOR CO. HOLLY, MICH

"Tycos" Incubator Thermometers
are accurate and dependable. Don't risk eggs in an incubator or chicks in a brooder until you have put "TYCOS" Thermometers on guard. Insist that your new machine be equipped with "TYCOS". Price, 75c each at your dealer or from us. Write today for booklet, "Incubator Thermometer Facts Worth Knowing", Free.
Taylor Instrument Companies **Rochester, N. Y.**

NOTHING MORE CONVINCING IN SELLING STOCK & EGGS THAN OUR
PHOTOGRAPHS OF POULTRY
THEY ARE USED LIKE STAMPS ON YOUR LETTERS, CARDS, MATING-LISTS OR ANYTHING YOU CHOOSE. ALSO MADE FROM ANY PHOTO OR PRINT—JUST THE THING YOU NEED
WE IMPROVE & RETOUCH PHOTOS, ADD BORDER, LETTERING, ETC. DESIGN COVERS, ADVERTISMENTS, MAKE CUTS OF ANY SUBJECT AT LOWEST PRICES. PERFECT WORK. MONEY BACK IF NOT SATISFIED.
100 FOR $2.50
ALL SIZES ONLY DIRECT FROM
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WRITE FOR SAMPLES



WE MANUFACTURE
Quic-Molt
Lice Dust
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Nest Eggs
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Disinfectants
Nutrine Chick Salts
Roup Remedy
Cholera Remedy
Chick Punches
Chick Coops
Chick Troughs
Grit and Shell Boxes
Food Troughs
Water Founts
Leg Bands
Spray Pumps
Poultry Houses
Etc., Etc., Etc.
and MAMMOTH INCUBATORS

America's Largest Line of Incubators and Brooders
19 Styles and Sizes, $2.25 to $48
Send for our BIG FREE CATALOGUE containing illustrations of Best Brooders made—the kind that raise strong chicks. It also contains 5 Chapters on Poultry Raising written by Robert Essex, and 30 Photos of the latest Experiment Station Poultry Houses. Address nearest office.
ROBERT ESSEX INCUBATOR COMPANY
3 Henry Street, Buffalo, N. Y. or
67 Barclay Street, New York City

York, Boston, Philadelphia, Hagerstown, Buffalo, etc., show.

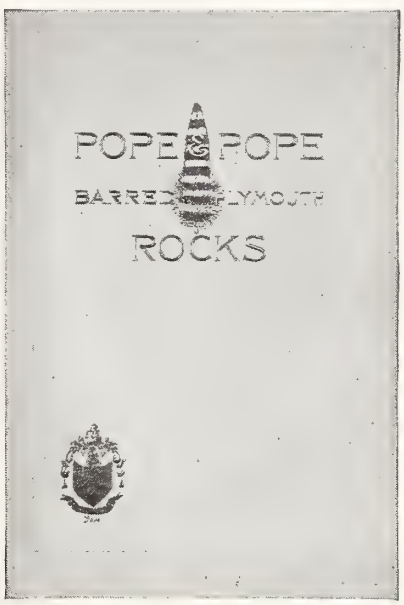
The Orpingtons of Wm. Cook & Son, Scotch Plains, N. J., are ever popular, and more so now than ever. They are the originators of this variety, and at this time are offering special inducements on breeders.

Webster Farm, Girard, Pa., like others, have a special mid-season sale of their White Rock breeders. This is the New York champion line. This past winter at Washington, D. C., they won all first prizes. You will make no mistake if you have this line.

The Niagara Farms, W. R. Curtiss & Co., Ransomville, N. Y., have what you want in day-old chicks, eggs for hatching or breeding stock. They breed Pekin ducks, Reds (both combs), White Leghorns, White Wyandottes, White Rocks and Runner ducks, fawn and white. They also put up the famous "Niagara" brand of cut clover. Write for catalog and prices.

Pope and Pope, Louisville, Ky., Issue Beautiful Barred Rock Catalog.

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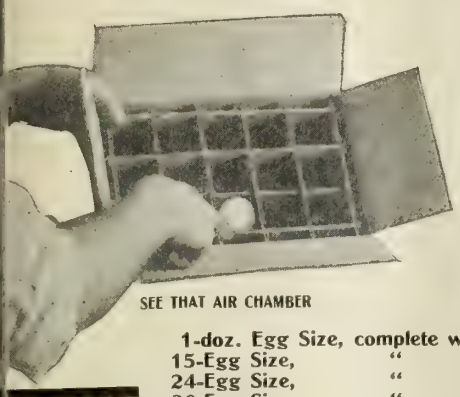
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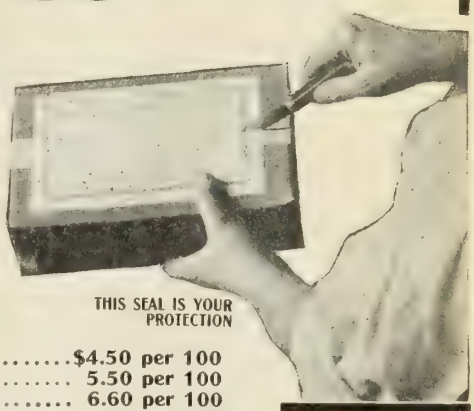
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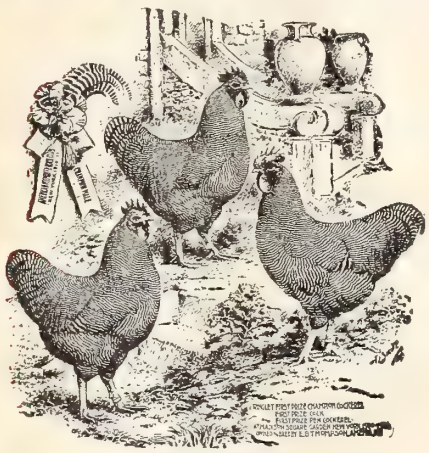
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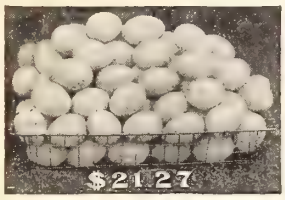
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"World's Best"
Hope, Indiana

C. E. SPAUGH
Rugby, Ind.

ENGLISH AND AMERICAN

OUR SPECIAL SALE

with greatly reduced prices is being appreciated and the bargains are many. By the large saving in various ways in consolidation we are in position to save you money.

Never in the History of the Fancy Poultry Business

has anything been done that will improve conditions and assist the poultry buying public in reduction of prices as will the uniting of these successful farms. Our saving is enormous and our customers are going to reap the benefits. No need to go into details about the **quality** of the fowls we offer you, as the records won for the past years are proof positive **there is no better.**

DO YOU WANT TO WIN? WE CAN SUPPLY YOU WINNERS

for your fall show. Our SERVICE DEPARTMENT will buy or sell for you anything in the way of Poultry, Dogs, Animals or Ornamental Birds. THE BEST IN POULTRY FEEDS, the kind we know of over thirty years' experience will give results. The United Poultry Farms beg an opportunity to prove to you their ability to give you better value for your money than you can secure anywhere. SALE LISTS FREE. Special Prices on Eggs and Chicks.

ADDRESS BOX A, INDIVIDUAL FARMS, OR

SCOTCH PLAINS, N. J. UNITED POULTRY FARMS HOPE, INDIANA



1st Old Chicago Pen 1913-14, Bred and Owned by F. E. Harrison, Menominee, Mich.

F. E. HARRISON'S ARISTOCRATIC ROYAL RED S. C. R. I. REDS

Are the acknowledged champions by virtue of a show record unequalled by any competitor.

In the last two Chicago Coliseum Shows, 1912-13 and 1913-14 (note the dates), Royal Reds won nine out of a possible twelve firsts, competing with seventy-four competitors, none of which won more than one first.

In addition to this, in these two great shows, Royal Reds won five seconds, four thirds, three fourths, and two fifths, and three times as many color specials, shape specials and championships as all other competitors combined, and best display at both shows. Think this over.

Catalogue free for the asking.

F. E. HARRISON, Box 30, Menominee, Mich.

A red hot one, right from the bat---and nobody out---on page 991

Bronze Turkeys

America's proven champions. Best breeding stock and greatest prize-winners always for sale. Eggs in season. Catalog for stamp.
BIRD BROS., Box C, MEYERSDALE, PA.

Partridge Rocks

RED SUSSEX

CARVER'S RED FARMS, SEVILLE, OHIO

GOLDEN CAMPINES

SINGLE AND ROSE COMB RHODE ISLAND REDS

RAISED ON SEPARATE FARMS — RAISED ON SEPARATE FARMS

Winners at Madison Square Garden, Chicago, Buffalo, Cleveland, Ohio, A. P. A. Shows. All our exhibition matings headed by winning males at one or more of the above shows. Write for our great **Down to Rock Bottom** egg prices, and **Fertility** guaranteed. They will open your eyes and save your pocketbooks.

A. A. CARVER, Specialty Breeder -:- SEVILLE, OHIO



YOUNG'S Strain S. C. W. LEGHORNS

I Have No Other Breeds

They are the standard for all the Leghorns of all America, and the greatest layers of all domestic fowls. At the World's Famous and Premier Show of America, at Madison Sq. Garden, New York, for the past thirteen consecutive years I have won best display and from three to five first prizes, every bird being bred and raised by me. MATING LIST FREE.

D. W. YOUNG - - - MONROE, N. Y.

SCHWAB'S NONPAREIL BARRED PLYMOUTH ROCKS

Line Bred Since 1883 — **Winners at America's Leading Shows Since 1885**

Extraordinary Reduction Sale of Stock and Eggs

EGGS FROM GRANDEST MATINGS

Now at $3.00 per setting, $5.00 for two settings or five settings for $10. Our Descriptive Mating List tells all about every mating we have. Send for it. The December and January winners will be hatched in June and July. Our usual guarantee goes with this sale. Don't miss this. Send for Mating List today.

SELECTED BREEDERS FOR SALE

We now offer for sale half our own females and several males, all used by us this year. Females at $3.00, $4.00 and $5.00 each—worth two and three times that. Males, including breeders and those held in reserve, from $5.00 up. Mated trios and pens a specialty. Don't miss this opportunity.

Our Latest Win at the New York Palace Show, December, 1913

We won with 213 birds competing of the usual **New York Quality**: First Prize Hen and Sweepstake Championship, **Special Medal for Best Hen in the Entire Show**, Special for Best Shaped Female, Special for **Best Female in American class, Second Cock, Second Cockerel**, Fifth Pullet, Special First Pullet-Bred Pen, **Special Second Cockerel-Bred** Pen, Special Second Pullet-Bred Cock and Third Cockerel, Special First Cockerel-bred Hen, Special First Cockerel-bred Pullet, **Spratt's Silver Cup** for Best Exhibit, Special champion female, etc.

SCHWAB BROS., Box 451, IRONDEQUOIT, N. Y.

Know Your Hens on Sight

Successful breeding depends upon knowing your fowls at sight. The

SPIR-O-L
TRADE MARK
LEG BANDS



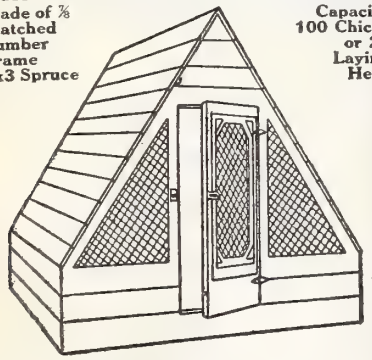
Are made in ten colors and give you 320 combinations. They are indestructible and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address.

	Once Around and Lap		Twice Around	
	Four Poultry Sizes	Pigeon and Day-Old Chick Sizes	Four Poultry Sizes	Pigeon and Day-Old Chick Sizes
12	$0.20	$0.15	$ 0.25	$0.20
25	.35	.25	.50	.35
50	.60	.40	.85	.60
100	1.00	.65	1.50	1.00
500	4.00	3.00	7.00	4.50
1000	8.00	5.25	12.50	8.50

P. S. RIGGS : WHITE PLAINS, NEW YORK

Made of ⅞ Matched Lumber Frame 2x3 Spruce

Capacity 100 Chicks or 20 Laying Hens



8x8 Portable Complete $20.00

LESS 2 rolls 2-ply roofing paper, $17; less 2 roosts and 4 nests; $16; less dropping board, $15; in 5 lots, $14. Can you steal your lumber and beat it? It is known as the Cornell House, same as used by the Great Owen Farms, Vineyard Haven, Mass. Write for free circulars showing 20 cute, portable houses, coops, etc. Mention A. P. J.

E. C. YOUNG CO.

6 Depot Street Randolph, Mass.

WORLD'S FOREMOST
White Wyandottes

Winners in the leading shows of America for 15 yrs.
J. H. JACKSON, L. Box 88, HUDSON, MASS.

See This NEW
Poultry Band



The Kind That's Different

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. **Made for baby chicks and pigeons.** Free catalogue giving full particulars and prices.

F. A. Marshall, 203 Bancroft Ave., Reading, Mass.

Modern Methods Demand
HOPKINS' ELECTRIC EGG TESTER

The greatest money, time and labor-saving device in recent years. Tests 200 eggs per minute. Detects infertile eggs at once, enabling you to market them for food consumption. Saves your chicks from disease. Speed, safety and convenience. No lamps, wicks, dirt or smoke.

Sky-High in Efficiency—Low in Price

Sold under our absolute money-back guarantee. Special inducement if you are the first in your locality to use it. **Act Quick.** Send for **Free** catalogs and information **Today.**

E. M. HOPKINS & CO.

20 Years a Poultryman

P. O. Box A125 Red Bank, N. J.

Big book ad on page 991

EGGS EGGS EGGS

I will sell for the balance of the season my **best eggs** from my choicest matings at **half price.** My White Wyandotte pens are better than ever before. Write promptly to get them in good season. Beautiful catalog, 15c; mating list free.

ARTHUR G. DUSTON, Box 1020, So. Framingham, Mass.

R. C. Rhode Island Reds

From Our Improved Bean Line



Our great reduction sale of eggs is on. After May 1st we will sell eggs from all pens at half price. Our sensational win at Madison Square Garden the past winter proves we have the goods. A chance to get eggs from New York, Boston, Chicago and Pittsburgh winners at bargain prices. Send today for our beautiful illustrated catalog. It is free.

SIMMONS & CRITTENDEN - GENEVA, OHIO

MOE'S SELF LOCKING LEG BAND

MOE'S SELF LOCKING BAND READY TO BE USED



(Patented)

You simply push it together to lock it and it can only be removed by destroying the band. A sealed band that requires no sealer.

Every band has its own raised or embossed number.

12 Bands, any size 15c

Liberal Discount on Quantities

EASILY ADJUSTED WITH THE FINGERS AND IT IS THEN ON TO STAY



This is only one of the good things in Moe's line

Write for complete catalog

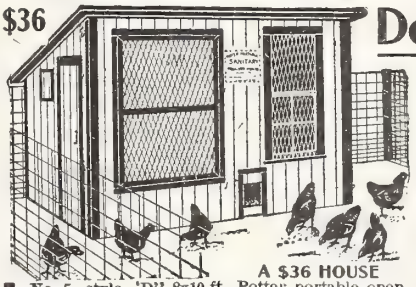
OTIS & MOE MFG. CO., 2011 Otis Bldg., CHICAGO, U. S. A.

FELCH OFFERS

The product of his breeding pens of 1914 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts

$36



A $36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5-ft. 3 perch complete hennery outfit for 30 hens. Price of complete house, $36. Painted 2 coats.

Don't Build

you can buy better, cheaper, more complete, ready-made (factory-made) hen houses, roosting and nesting features, coops, hoppers, etc., from Potter & Co. We buy No. 1 high grade cypress lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures

Portable - Sanitary - Inexpensive

Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a **Potter Portable** with complete outfit of roosts, dropboards, and nests. You save money too. A clean, sanitary henhouse means healthy hens and lots of eggs.

Don't Kill or sell your laying hens. **Potterize** your flock.

Pick out the layers from the loafers and diseased hens. Save feed money. Over 50,000 satisfied poultry keepers have our Potter System Book, "Don't Kill the Laying Hen." You cannot afford to be without our 100 page book. Send for circulars.

OUR BIG CATALOG

contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalog and circulars on the Potter System book.



A $6.60 HENNERY OUTFIT

No. 10, style "A" 6-ft. 3-perch complete Potter hennery outfit for 36 hens. This same style made in 12 sizes.

POTTER & CO., Box E-21, Downers Grove, Ill.

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On page 991 will be found an interesting announcement regarding the great Am. Poultry Year Book!

THE BEST BLOOD LINES

Tecktonius-Reed Strains



R. C. S. C. Buff Leghorns

The fame of **"Tecktonius" Buffs—America's Champion exhibition and laying fowl**—is world wide. Big exhibition prizes, everywhere, at their mercy—not once, but for **7 consecutive years.** Their laying record, as well, is as long and brilliant, with 249½ average in 1912 Nat'l Laying Contest—one bird 281 high. "Tecktonius" Buffs **build "winning" reputations, and make "big money"** for poultrymen. Put your trust in them and be a "winner" as a poultryman.

S. C. Rhode Island Reds

Reed's Champion Single Comb Rhode Island Reds are the outcome of **seven years efforts** of B. C. Reed—one of the most scientific and successful breeders this country has ever known. He is an expert at mating and has by his untiring efforts perfected a strain of Reds that are second to none.

If you want to get into the class of **"winners"** do not overlook this grand strain of Reds.

See special offers below.



Some Unrivaled Tecktonius Strain Bargains

S. C. Matings--Pens 1 to 6 inclusive, one 15-egg setting, $10; two, $18, three, $25.
Random Selection--If selected from one pen, in which price rules, $5 per setting, extra. Pens 7 to 10 inclusive, one setting, $5; two, $9; four, $15. Pens 11 to 14, inclusive, $2 per setting; $10 for one hundred
R. C. Matings--Pens 15 and 16, one setting, $15; two, $25.
S. C. Utility Stock--Hens, $2; Cockerels, $3 and $5; trios and pens, $10 and $15.
Exhibition Stock--Hens, $5; Cockerels, $15 and $25; trios and pens, $25 to $50.

No Chicks of Either Variety For Sale. Mating List Free.

Special Introductory Offer—Reed's Strain S. C. R. I. Reds

We have mated 6 pens of these Royal Bred birds--the cream of 565--comprising 2 Cocks, 4 Cockerels, 20 Hens and 40 Pullets Everyone is a marvel of breeding, with exquisite, rich even Red Color, and with absolutely no contrast between hackle, back and sickle feathers The tail and wing markings are as near perfection, as scientific breeding can make them. Both male and female types come up to standard requirements, and well over standard in breeding weight. From all pens above described, we will sell eggs as follows: One 15 egg setting, $5; two, $9; four, $15; per one hundred, $25.

No Stock For Sale Until Fall. No Chicks For Sale.

Special—A 50 % reduction from above prices on all egg settings from my S. and R. C. Buff Leghorn and S. C. R. I. Red pens; and a 25% reduction from my established list price on all S. and R. C. Buff Leghorn stock; effective June 1, 1914, and good until August 31, 1914.

TECKTONIUS & REED
BUFF & RED FARM
Route 7 Racine, Wisconsin

Prepare for Fall Fairs

Rudy's Perfection Strain
White Wyandottes

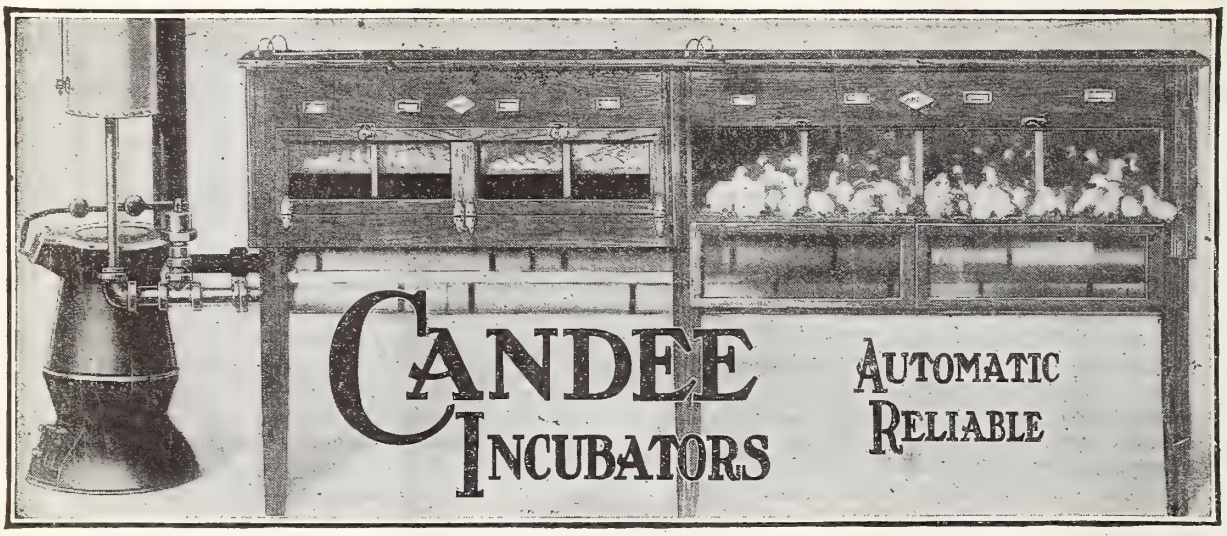
have the reputation of winning the most coveted prizes at the Fall Fairs and early winter shows.

I can supply you with birds that will not be overlooked by any judge. Birds that possess the proper qualifications—broad back—deep body—well spread tails and perfect head points.

Send for illustrated catalog and moderate prices.
Satisfaction guaranteed or money refunded.

GEO. H. RUDY, Route 15, MATTOON, ILLINOIS





Simple to Install --- Simple to Operate

Anyone anywhere can set up a Candee.

Because it is Shipped-all-Built.

Take the 1200-egg size, illustrated above.

The heater parts are assembled in a few minutes. The pipe fittings have been attached at the factory before shipping.

The legs are quickly set up and the two supply pipes screwed together.

Lift on the two sections, connect two small pipes from the supply to each section and you are ready to start the fire.

Larger sizes simply mean a little longer time.

Just as Easy to Increase

Take off the rear panel, set up the extra legs, extend the two pipes and add the extra sections.

That's the way Candee customers do.

That's why you can start with the smallest size—the 1200—and add on as your business grows. Buy as you need them. When you require a larger heater, heaters are exchanged free.

Wherever You Live

Distance makes no difference. About 95% of our customers set up their own machines.

Our true sectional construction makes it easy for our customers and saves them thousands of dollars.

What Size to Order

Start with a 1200, if you prefer. That has every Candee feature, has four 300-egg compartments and will give you a good start in poultry the first year.

If you need additional hatching capacity, you cannot in justice to yourself afford not to put in at least a 1200 Candee when the great majority of mammoth users have Candees.

It is easily operated in 11 by 14 feet of floor space and a house cellar is satisfactory.

For Baby Chicks

Use it for your own work and any spare space is quickly filled with custom hatching.

If you have surplus eggs, turn them into day-old chicks and you will find this very profitable. In fact, in this work a Candee easily pays for itself the very first year.

Expert knowledge is not required.

The automatic features of the Candee make operation easy for anyone.

Coal the heater as you would any stove.

Set the heater regulator and leave it alone. A hot water thermometer shows you the temperature of the main supply.

Set a 300-egg compartment and run it just as you would a small machine. The one heater takes the place of all the oil lamps.

Operation of the Candee is not to be judged by previous incubator experience—the Candee only requires attention when the eggs need caring for.

Safety in Incubating

The automatic regulators on the heater and egg chambers make a double protection against overheating the eggs in hot weather or changeable days.

They simplify operation because they do automatically the work that would otherwise have to be done by the operator.

They give him his liberty and freedom to attend to other work.

The fire danger is removed—no chance for any explosion—the pipes are all open at the open—no worry or fear.

A Matter of Dollars and Cents

It's a matter of record that the saving in fuel alone in a season more than pays the interest on a Candee.

Reckon up the saving in labor and attention.

Then include the superior worth of Candee hatched chicks—big, strong, fluffy fellows that have been incubated with a steady, even, healthy heat—the kind that live and grow.

Used in Every Section

The Candee is today in international use. The growth has been remarkable. Its success has been phenomenal. The triumph of the Candee has been overwhelming.

Our 108-page catalogue shows hundreds of farms using the Candee, but this can only show a part of the army of Candee users.

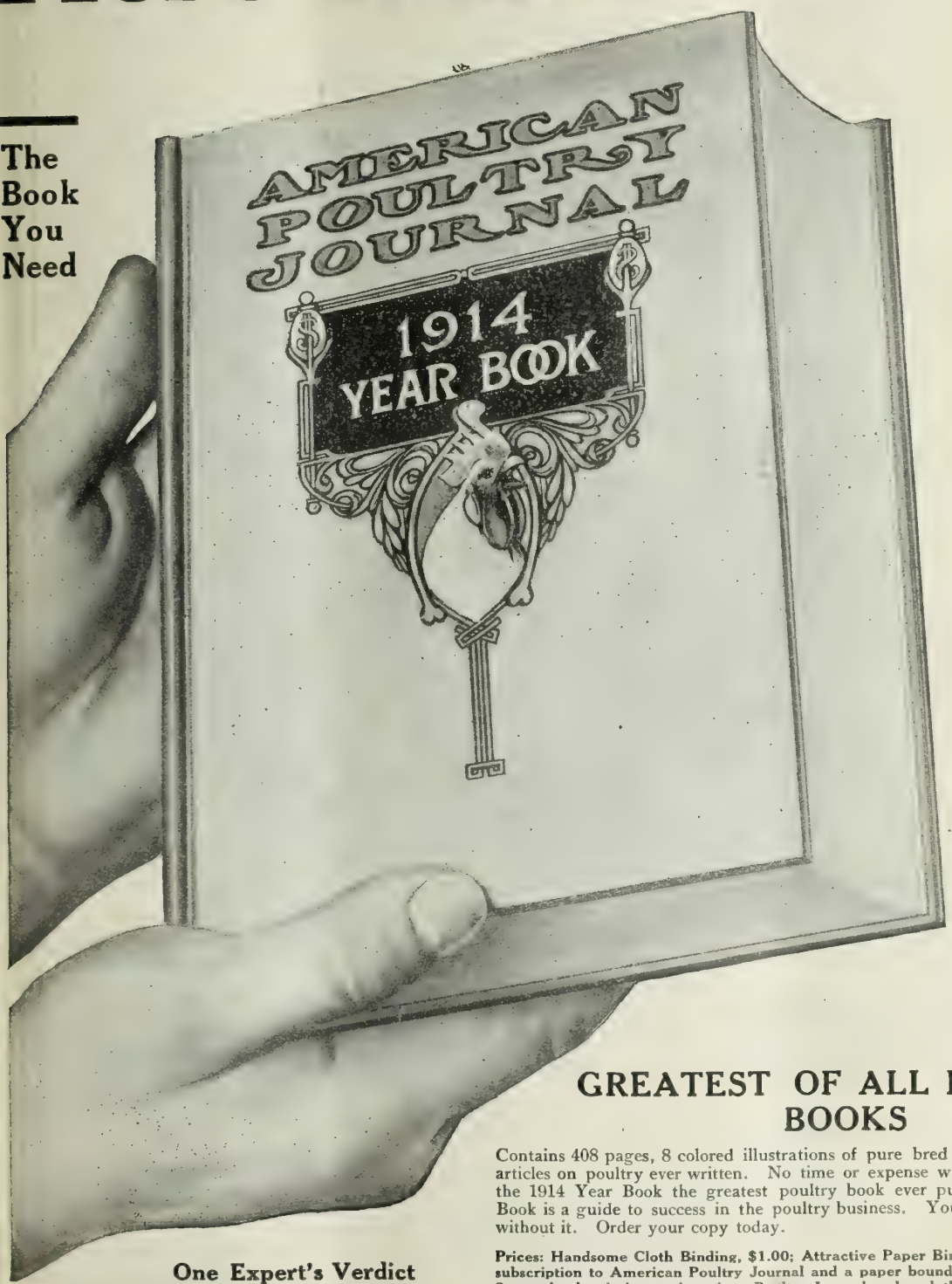
We will gladly send you the catalogue free and give you a list of users in your own section—men you may know personally, and can ask them their results and opinion.

Candee Incubator & Brooder Co., Dept. 2 **Eastwood, N. Y.**

Here It Is—for You

The Authentic Review of the Poultry Industry for the Past Season

The Book You Need



The Book You Want

GREATEST OF ALL POULTRY BOOKS

Contains 408 pages, 8 colored illustrations of pure bred fowls, and the best articles on poultry ever written. No time or expense was spared in making the 1914 Year Book the greatest poultry book ever published. The Year Book is a guide to success in the poultry business. You can't afford to be without it. Order your copy today.

Prices: Handsome Cloth Binding, $1.00; Attractive Paper Binding, 50c; or 1 year's subscription to American Poultry Journal and a paper bound Year Book for $1.25; 3 years' subscription to American Poultry Journal and a cloth bound Year Book for $2.50. **Your money back if you are not satisfied.**

American Poultry Journal Pub. Co. 542 S. Dearborn Street CHICAGO, ILLINOIS

One Expert's Verdict

Gentlemen: Your 1914 Year Book has just been received. This, I find, is a valuable book, much more so, in my opinion, than the one which you issued last year. I find it crammed full of valuable information from cover to cover. Yours very truly, T. E. Quisenberry, Director Missouri State Poultry Experiment Station, Mountain Grove, Mo.

A Poultryman's Time Is Valuable

A Crow Elk-Hart motor car will save him time and relieve him of the needless exertion and worry due to inadequate means of conveyance

The Poultryman who buys a Crow Elk-Hart now, will congratulate himself many times on his choice before the season is over. The reason is more evident after one has experienced the satisfaction of riding in a Crow Elk-Hart.



Crow Elk-Hart Cars are built in ten distinct models

You have your option of the graceful four or six cylinder roadsters, or any one of the handsomely appointed touring cars.

These cars are powerful, silent running and comfortable. They are sold at honest prices that deserve the earnest consideration of those desiring to own a

HIGH GRADE MOTOR CAR

Your written request for further information will be complied with immediately.

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Golden Buff Orpington Eggs

For the balance of the egg season I will sell my best eggs at $3.00 per 15. These are from my First Prize State Show Winners. My Buffs are equal to any in quality. Write for catalogue.

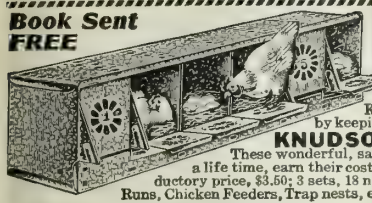
A. B. PORTER Orpington Specialist Box 4, LA SALLE, ILLINOIS

S. and R. C. R. I. Reds — Eggs after May
Silver and Golden Campines — 15th Half Price

All our 1914 Breeders for sale, including some of our New York, Philadelphia, Baltimore and Pittsburgh Blue Ribbon winners at greatly reduced prices.

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Book Sent FREE



Lice-Proof Nests

HAPPY HENS EARN BIG PROFITS

Keep your hens happy, get more eggs, make them pay you better by keeping them free from lice and mites, by equipping laying houses with

KNUDSON Galvanized Steel LICE PROOF NESTS

These wonderful, sanitary, *patented* nests (not a trap nest) can't get out of order, last a life time, earn their cost many times over. Regular price, $3.90, set 6 nests—special introductory price, $3.50; 3 sets, 18 nests, $10. Write for *free* catalog, Gal. Steel Brood Coops with Runs, Chicken Feeders, Trap nests, etc. Knudson Manufacturing Co., Box 570 St. Joseph, Mo.

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We have a fine lot of this season's breeders for sale, for both utility and show purposes. Our birds have won at such shows as **New York State Fair, Buffalo, Rochester Industrial Exposition, Williamsport, Pa., etc.** Bred for years on free range. Send for price list.

"The Glen" Poultry Farm - Fairport, N. Y.

Christie's S. C. White and Brown Leghorns

Having been bred for over 14 consecutive years, represented all over the world, they stand today without an equal as egg producers, the foundation upon which all branches of the poultry industry hinge. We have been shipping our **S. C. W. and B. Leghorn Day-Old Chicks and Eggs for Hatching** to all parts of U. S. and foreign countries for 10 years, and during this time we have shipped over 1,000,000 chicks and 800,000 eggs for hatching, and have yet to find one displeased customer, a record attained by very few. Write for our illustrated catalog, and read what thousands of our pleased patrons say in regard to the **World's Greatest Layers. "Better Be Right Than Sorry." S. C. W. and B. Leghorn Chicks, $15 per 100.**

Wayne Poultry Farm F. W. Christie, Prop. Box 71, Stony Point, N. Y.

UTMOST — THE ORR'S — ALWAYS FRESH — POULTRY FEEDS

Orr's Poultry Feeds

Distinctively Superior

YOUR NAME AND ADDRESS, PLEASE.

WM. ORR & SONS Box 5 ORR'S MILLS, NEW YORK

Guaranteed by D. Lincoln Orr

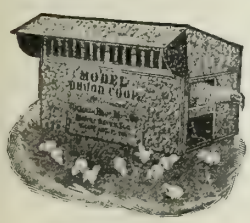
4S STRAIN **Light Brahmas**

Quality stock to select from. Won First Pen Madison Sq. Garden.

E. J. STROUD - Fordham Farm - BELMAR, N. J.

Your money back if you do not find our Poultry Buildings and Fixtures superior to any on the market.

Send for our Catalogue at once



Model Brood Coop

We make Portable Henneries, Brood Coops, Setting Coops, Colony Coops, Fireless Brooders, Trap Nests, Exhibition Coops, Portable Fences, Poultry Gates, Fattening Crates, Wire Runways, etc. Write now. Catalogue free.



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Niemann Bros. Manufacturing Co., Box 677, Mt. Olive, Ill.

Plain truth is, you will have no lousy hens if you paint the inside of your henhouse with

AVENARIUS CARBOLINEUM (Registered)

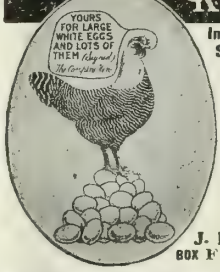
once a year. It is guaranteed. Write for circulars and testimonials.

Carbolineum Wood Preserving Co. Dept. 50, Milwaukee, Wis.

Beware of imitations



Kennedy's



Improved Champion Strain Silver & Golden **Campines**

The fowl with sterling merits and ancient pedigree and the most noted utility and exhibition strain in the world.

Campineology—Third edition. "The Story of the Living Egg Machines." The most costly and complete work ever attempted on Campines for ten cents.

J. FRED N. KENNEDY BOX F BIRCH CLIFF, ONTARIO, CANADA

Colored Leg Bands



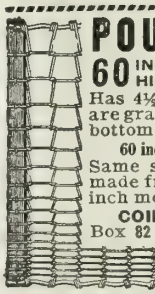
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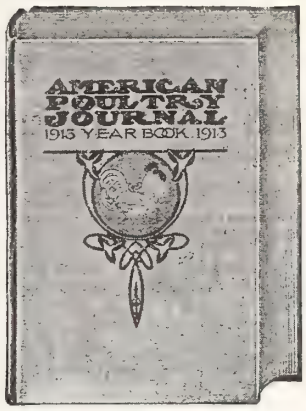
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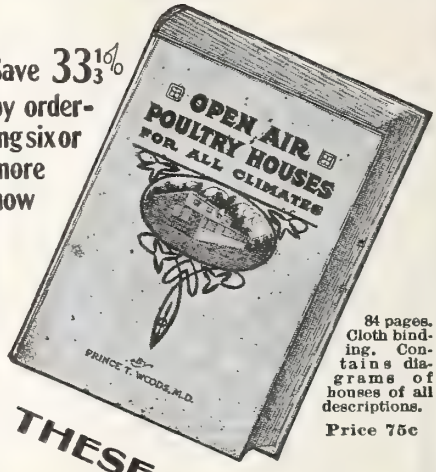
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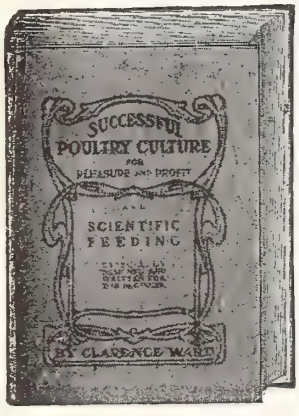
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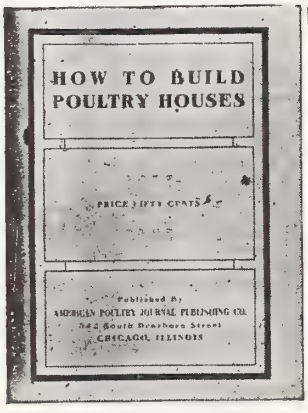
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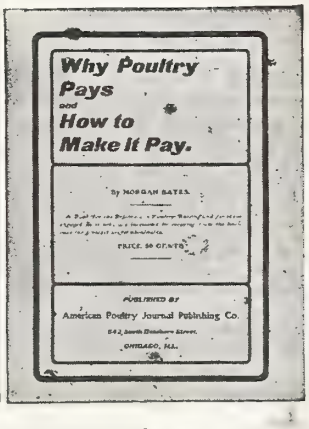
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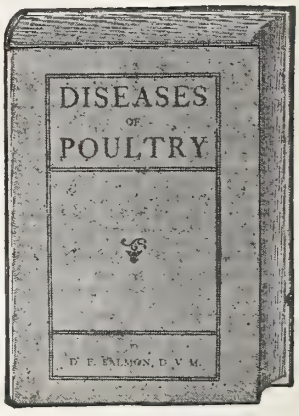
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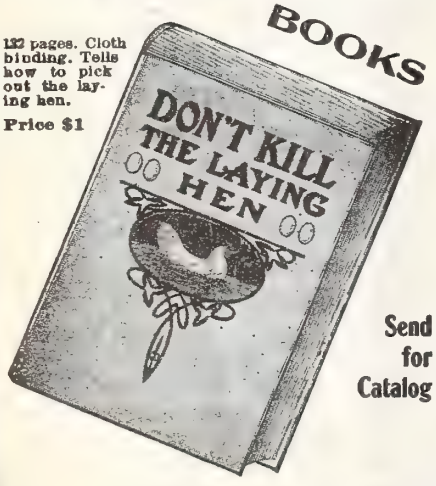


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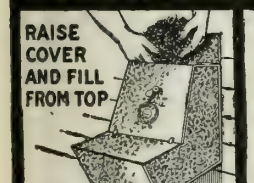
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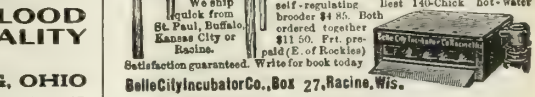
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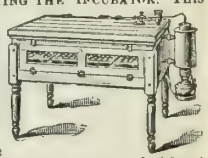
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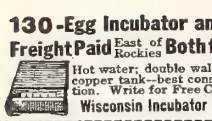


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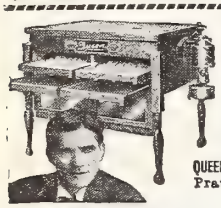
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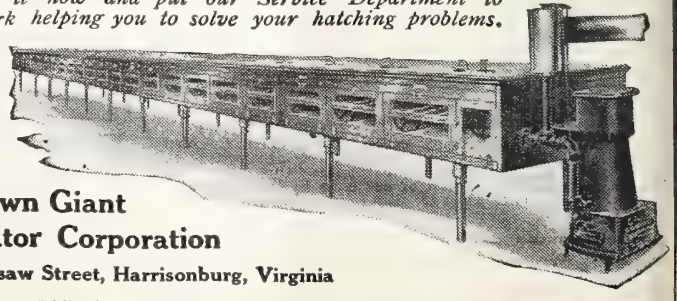
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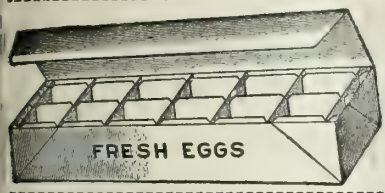
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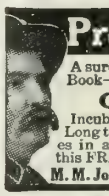
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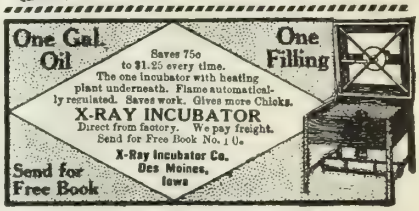
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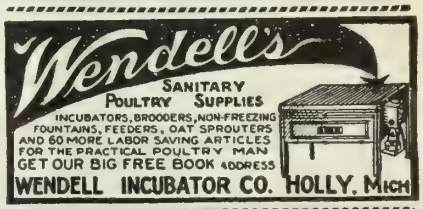


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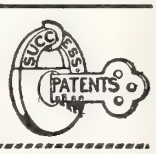
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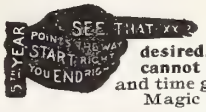
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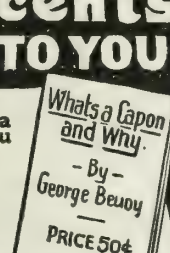
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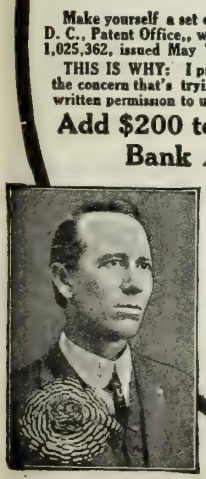


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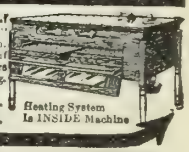
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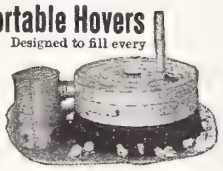


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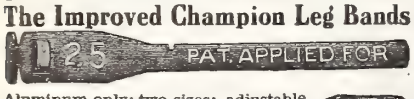
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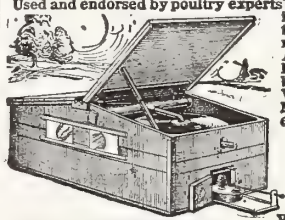
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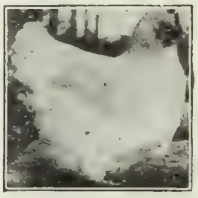
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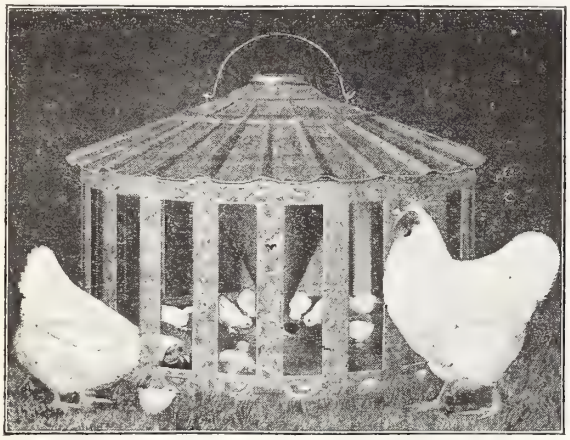
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No Occasion for White Diarrhoea Scare

Disease Does Not Show any Alarming Increase—No Difficulty Experienced in Obtaining Chicks Free From Infection.

By Prince T. Woods, M. D.



WE DO NOT BELIEVE that it is advisable to attempt to "campaign" or to legislate disease out of existence. In our opinion the only sensible way to eradicate poultry diseases is to present more facts and less fiction concerning them to the poultry loving public, to educate the people how to keep, breed, hatch and grow healthy poultry. We are not in sympathy with the Storrs Agricultural Experiment Station's "campaign for the eradication of bacillary white diarrhoea of young chicks" and believe that the measure and the manner of promoting it is ill-advised. Although a member of the "Committee on the Control of the Distribution of Poultry Diseases" of the A. P. A., we do not consider that it is advisable for the association to attempt to legislate for the control of poultry diseases, though it might do effective educational work to encourage breeding for health and maximum constitutional vigor. Neither diseases nor the owners of diseased stock are likely to pay a great deal of attention to campaigns or to legislative measures.

We go around a great deal and visit a good many poultry plants. We have found a small percentage of diseased specimens on some experimental plants where the stock had been shipped in from all over the country, but the number of sick fowls and the percentage of mortality was low considering the number of the fowls and the fact that they came from widely scattered flocks and all sorts and conditions of poultry. While we visit a good many poultry plants for observation purposes, we frequently are called for the purpose of diagnosing some troublesome ailment and recommending a remedy. We also receive and answer thousands of queries from poultrymen and have been conducting information bureau correspondence of this sort for a good many years. If there was any alarming increase in the prevalence of poultry diseases, and particularly of so-called white diarrhoea, we would be likely to know about it. It is our opinion, based on practical experience, that poultry diseases are less prevalent and troublesome today than they have been for the past dozen or fifteen years, all things considered. During the past few years there has been marked improvement in the condition of the majority of the flocks which have come under our observation. We believe that the reason for this is that poultry keepers generally know better than they did how to house, feed and care for their poultry and that they are beginning to realize the importance of constitutional vigor in their flocks and of breeding for health.

So-called white diarrhoea, so far as our personal observation goes, has not shown any alarming increase. Occasionally we are called upon to visit a plant where the disease appears to be epidemic. In fifteen years' experience with white diarrhoea epidemics we have only found half a dozen cases where the only effective remedy appeared to be getting rid of *all* the breeding stock and making a fresh start. On a great many plants, culling the flock of breeders to leave only apparently sound, healthy specimens, cleaning up and disinfecting the houses and runs, more careful attention to feeding, disinfecting the incubators and even dipping the eggs for hatching in a solution of creolin, one gill in 8½ quarts of soft water, was all that was required to stamp out diarrhoeal troubles where chick mortality had been alarming. Constitutional vigor in the breeding stock, cleanliness and good management combined with the "know how" are the chief requisites of successful chick growing. Now and then a brood or several broods of chicks will go wrong and show considerable mortality, but, though diarrhoea may be present, it does not necessarily mean that the chicks have white diarrhoea or are infected with *bacterium pullorum, coccidium tenellum, aspergillus fumigatus* or other special disease producing micro-organism.

Dr. Rettger, of Storrs Station, deserves full credit and appreciation for his work in the investigation of *bacterium pullorum* and bacillary white diarrhoea which results from infection with this disease germ. But other investigators have found other germs that produce similar symptoms and similar mortality in baby chicks. It is difficult to make a positive diagnosis in diseases of chicks under a month old. It is difficult to differentiate the symptoms of several ailments which affect young chicks and cause mortality. We have not visited Storrs for about two years, but we have twice visited the Station plant during the investigation of white diarrhoea and viewed the experimental broods with considerable interest. With all deference to the investigators, we do not believe we could produce or grow healthy chicks on that "white diarrhoea experimental plant," with the equipment in use and under the conditions prevailing at the time of our visits, although we have had considerable experience and are fairly adept at growing good chicks. We wouldn't try to grow chickens that way at home and we see no valid reason why experimental flocks should be predisposed to trouble by being so handicapped at the start and throughout the test.

In the human family disease germs are frequently found in the mouth, throat, and intestinal tract of perfectly normal, healthy individuals. The presence of disease producing micro-organisms does not necessarily obligate a positive diagnosis of disease. If it did most of us would be in quarantine most of the time. It is quite probable that the case is much the same with chicks and fowls. Disease germs become dangerous when the individual is thrown off the normal disease-resisting balance and becomes susceptible.

While we have no dispute with those who hold that certain specific micro-organisms cause infectious diarrhoea and that the trouble frequently originates in infected parent stock, we do know that there are other causes for PRECISELY THE SAME OBSERVABLE SYMPTOMS in young chicks. In 1908 we wrote:

"In investigating the causes of so-called white diarrhoea there are four general sources of trouble that demand your attention.

"FIRST—*The condition of the breeding stock from which the eggs for hatching were taken.*

"SECOND—*Carelessness in selection, handling, keeping and care of eggs intended for hatching purposes.*

"THIRD—*Faulty incubation.*

"FOURTH—*Errors in brooding or feeding.*"

Naturally if the parent stock were infected with some specific and transmissible germ disease that should be considered under "condition." Sound, healthy, vigorous breeding stock is always one of the prime requisites of securing livable chicks.

Eggs ill-kept in too warm a room, or under damp and filthy conditions where flies abound, and stale eggs are likely to produce weakling chicks if they hatch at all. Weakling chicks are generally born to die, either with or without infection with some specific germ. Our description of weakling chicks that are particularly liable to exhibit white diarrhoea symptoms has been widely quoted and is as follows:

"The weakling is almost always big-bellied, the abdomen protruding to the rear so that it bunches out behind well out of line of the vent, with the result that the chick looks as if the tail piece and back bone had been pushed forward and in just above the vent. As the chick grows older these conditions become more exaggerated and it is wabbly on its legs. Sometimes the deformity is so considerable that when the chick voids excrement it seems almost impossible to eject it over the protruding abdomen without having it come in contact with and soil the down. In many cases the chick cannot force the droppings beyond the fluff or down on the abdomen and the excretion dries on until the little bird is in the condition commonly known as "pasted up behind." At this time the upper margin of the vent usually protrudes to a considerable extent beyond the lower margin and sometimes takes on a red and inflamed appearance."

Faulty incubation frequently results in a considerable number of weakling chicks. During the first few weeks of a chick's life it does not take very much to upset its digestive organs and make it susceptible to infection. Sour food, mouldy food, spoiled grain, stale chick foods, poor beef scraps will all promote a condition that results in the development of so-called white diarrhoea symptoms. Severe chilling will frequently cause the trouble, but more commonly over-heating during mild or warm weather, over-crowding and a too scanty supply of fresh breathing air, result in diarrhoeal troubles and mortality.

We believe that Storrs is unduly alarmed concerning the presumed prevalence of bacillary white diarrhoea. We have not found it to be particularly prevalent this season and have not had nearly as many cases come under our observation as in former years, although this has not been a season of good chicken raising weather in our home section of the country. We note that the circular states that great difficulty has been experienced in obtaining eggs for hatching and day-old chicks free from infection. We have experienced no such difficulty and we have twice sent Storrs a list of plants where eggs and chicks might be obtained and where we had never known of a single case of white diarrhoea. The past three years we have bought a good many day-old chicks and eggs for hatching and have not yet received any that showed white diarrhoeal infection.

Last year we obtained a small flock of chickens that were about half grown and were from a flock that "had not done well" for the man who hatched them. The mortality in this flock had been high. We put these chicks on a large range,



Scene on the Granock Farms, owned by Stewart Haddock, Poughkeepsie, N. Y. This farm is devoted to the production of high-class Single Comb White Leghorns exclusively.

part grass land and partly wooded. We raised the whole lot and after they had been with us two weeks the growth and development was surprising. We bred these birds this spring and hatched chicks in incubator and under hens. The first lots under hens ran from 5 to 13 chickens to the sitting, most of them good, strong, livable chicks. The first incubator lot was 130 chicks divided into two brooder flocks. One flock showed almost no mortality while in the other brood the mortality was quite heavy. Weather was cold, wet and unfavorable during first three weeks the chicks were in brooders. The brooders were side by side, were the same make and operated alike, the broods were fed exactly alike. But in one brooder the lamp was balky because of a defective burner and wick and on one cold night the chickens were not found to be comfortably warm in the morning and on another night the lamp "drew up" and made the brooder over-warm for a mild night following a sudden change in weather. The trouble with these chicks might easily have been diagnosed white diarrhoea. It presented typical white diarrhoea symptoms. Isn't it probable that many poultry keepers observing broods similarly affected might believe their chicks had white diarrhoea?

We were not certain as to diagnosis and do not know positively now that the chicks were not infected. Before those chicks were four weeks old we removed them from the brooders, which were thoroughly cleansed and disinfected. The chicks were given a fireless hover in a 3 x 6 colony coop, were provided with large grass range and were fed on fresh ground chick food, a moist mash of fresh ground grains (oats, ground hulls and all) mixed with scalded beef scrap and given frequent full feedings of scalded fresh fish. They began to improve at once and in a few days losses stopped. Seventy-five strong chicks were saved out of the original 130. From the same breeding stock 172 chicks were hatched in a No. 2 Cyphers incubator from 210 fertile eggs. Fifty of these chicks were sold day-old and gave a good account of themselves. The balance were placed in the two brooders, all but ten, which were added to the flock of a good hen. The losses did not exceed two per cent. The hen chicks and brooder chicks show about the same development and have grown well. Would it be worth while to have such stock tested (by a test of doubtful value) to ascertain if white diarrhoea germs are present? We think not.

The Storrs campaign proposes to carry on a system of blood testing whereby flocks of mature hens that are to be kept over as breeders in 1915 may be tested and if test proves favorable, for a modest fee, be certified free from white diarrhoea infection. The test is known as the blood agglutination test and is presented in the circular as an infallible test for detecting infection with white diarrhoea. We believe that too much is claimed for this test and other investigators have not found it to be as positive as our friends in Connecticut appear to believe it to be.

For all practical purposes we believe that an experienced poultry keeper, who is at all familiar with the flock, can select good, sound, healthy breeding specimens without the need of resorting to laboratory tests. In going about the past season we have not found white diarrhoea to be alarmingly prevalent in the East or Central States.

We have found a good deal of trouble due to spoiled grains, poor beef scraps, and stale and mouldy ready-mixed chick foods, also to spoiled corn, both that affected with smut and with "green heart." We have seen broods doing wonderfully well, with little or no mortality, in the hands of novices and have heard very little complaint from purchasers of day-old chicks. In some localities eggs have not hatched over well owing to low fertility and, where the equipment was inadequate to cope with weather conditions and severe sudden changes, there has been some difficulty experienced in growing chicks, but it isn't fair to blame it all on white diarrhoea.

Given a reasonable amount of common sense, the "know how" obtained by experience or from a good instruction book, well hatched chicks, good food, good care and good management you can grow chickens and need not be unduly alarmed about white diarrhoea.

It frequently happens, and particularly with large broods in overcrowded brooders, that some chicks do not learn to eat as quickly as the others and run about and "cheep, cheep" most of the time or stay under the hover. Such chicks and any that for any other reason "go off their feed" may be benefited and often so strengthened that they will grow well to marketable size if removed from the flock, kept comfortable and given a chance to eat by themselves and taught to eat by tapping the feeding board or dropping the food before them in small bits.

Chicks that will eat, though seriously sick, may often be cured. Withhold all grain food for a period of two or three days and give several times a day the following: Thoroughly scald or bring to the boiling point good, sweet, whole milk; add to this a sufficient amount of thoroughly boiled white bread flour to give the milk the consistency of medium heavy cream. Do not get it too thick for the chicks to drink readily. Add a very small pinch of grated nutmeg and pure powdered ginger. Of the above preparation allow the little chicks all they will drink from three to six times daily. Do not leave this milk mixture before the chicks all the time, as they are



liable to get themselves messed up in it and so become wet and chilled. Usually in two or three days the little chicks will be ready to return gradually to the regular ration, but continue giving an occasional feeding daily of the prepared milk as directed.

When the little chicks paste up behind remove the accumulation of dung and bathe the parts with creolin and warm water. Do it as often as you find dropping caking on, about and below the vent. For this purpose use one-half teaspoonful of pure creolin in a pint of comfortably warm water. Dry the chick before you return it to the brood.

When returning them to the dry food ration it may be supplemented with thoroughly dried stale bread crumbs that have been barely moistened with warm, sweet milk, also with mashed boiled potatoes, boiled cracked rice, boiled wheat and a very little raw potato.

Selecting A Good Variety for Beginners

There is Good in all the Popular Varieties—Choose the One That Suits Your Fancy Best.

By W. P. Roberts



KNOWING that I have had many years of practical experience with poultry and in breeding both small and large flocks of more than fifteen different varieties, the Editor of American Poultry Journal has asked me what points of difference I have noted and how I would advise a beginner to choose a variety.

My advice to the beginner is practically the same as the Editor of A. P. J. has always given. Select one of the leading popular varieties that pleases you best and you can't go wrong. Every person has, or develops, some individual preference. Everybody does not always like the same thing, nor in the same way. What one loves dearly and finds good and beautiful, another person might not find likable at all. It is a mighty lucky thing that individual preferences differ, that some like one thing and some another, and that what one prizes highly another would not have as a gift. It would be nothing short of calamity if everybody liked and wanted the same thing and at the same time. Just imagine it!

No one can pick and choose for another and get the best results. You wouldn't expect or want another man to choose you a wife, select your home, or your occupation, or anything else in which you have decided personal preference, and, by the same token, you won't be satisfied with a breed or variety of fowls that someone else selects for you unless they happen to appeal to your particular liking. A man will do best and succeed best with a variety he likes and appreciates. Make your own selection. There is always an opportunity to change your mind and make another selection. You don't get married to one breed of fowls for life, not unless you want to, and many of our leading successful poultrymen have bred several varieties. Do your own choosing, for success comes that way.

In a recent number of A. P. J. I saw the suggestion that some one ought to tell the "defective points of breeds, varieties and even strains" and it was also said that breeders are apt to praise their favorites overmuch, presumably in an effort to promote popularity and make sales. In my opinion no variety won any particular popularity solely through boosting booms, advertising, and eulogy. To become popular a breed or variety has to possess real merit. The man who selects one of the leading popular varieties, as evidenced by the great number of persons breeding them, can't go far wrong in his selection. The merit has to be there or the fowl would not have become popular.

I haven't anything to sell and have no axe to grind. My specialty now is market poultry and eggs. I can make more money by sticking to my specialty and striving to fill an ever increasing demand than I could hope to make by breaking into the fancy. In the early days I used to show some good ones and enjoyed it, but it wasn't my end of the game. I have no use for mongrels and very little for crosses, and then only for first crosses for a special purpose. I keep only thoroughbreds and now largely "general-purpose" American class fowl. Do I believe one variety can be relied upon to produce both "eggs and meat"? I certainly do. I know it, because I get my living largely from "general-purpose" fowl.

"Egg Breeds."

When I started I bred Leghorns, White and Brown, for several years. I sold large quantities of white-shelled eggs in a brown-egg market, too. I found Leghorns easy to keep in small or large flocks with the minimum of house room. They were difficult to keep on the right side of the fence. Although non-sitters, it was not uncommon to have them broody in the chick season. Though rated as "egg machines," I did not find them to be extraordinary layers; I have had heavier birds that laid fully as well. As spring, summer and fall layers they did well for me, but I have had better winter layers. The eggs generally ran good in fertility and hatched well. The chicks were hardy and easy to raise. The eggs averaged just a bit too small to suit me, especially pullet eggs.

Leghorns are too small to be considered as market poultry, yet the chickens make good broilers and fryers and some broiler men find them quite satisfactory. As is the case in all breeds and varieties, the individuals vary in desirability and toothsomeness of the flesh. Some will stay tender after maturity and some won't. As a rule I found that I had to sell my Leghorns as market fowls at a lower price than that paid for heavier fowl. Mine were good foragers and rather heavy feeders for their size and as a rule carried considerable offal in proportion to their meat.

Some wonderfully fecund strains of Leghorns have been built up having a good proportion of heavy layers. The active little birds are good advertisers and generally get full credit for performance. That they have much merit is attested by the fact that a large number of commercial egg farms carry Leghorns exclusively, usually the White variety. As mine is an "egg and meat" farm I dropped them finally in favor of heavier varieties that afforded me better opportunity to make the most of my market.

Black Minorcas I tried for a time and then dropped them, largely because I personally do not like a black fowl. They proved good layers, good feeders, and quite hardy, much hardier than I had been led to believe. Mine were hardened by out-door life in an orchard and a house that was little more than an open shed. The only defect, aside from overlarge combs, that I could point out in this variety is that the females would apparently lay themselves out of condition and that disorders of the egg organs were frequent. With Black Langshans, the color was what caused me to drop them. They were hardy, good feeders and good layers. The young males made excellent capons. I won't weary the reader with a story of all the breeds I tried and discarded, but will go on to the "general-purpose" utility fowl of the American class.

American Varieties.

At one time or another I have probably had all of the American varieties. Barred Plymouth Rocks were my favorites for a time, but their tendency to put on internal fat when heavily fed and their dark pin feathers decided me to drop them. I found them fine layers all the year round and good foragers, a bit disposed to be greedy feeders, and always good table poultry. The Buffs I also found good, but the colored pin feather here also was an objection and the fact that with a utility flock the uniformity in color of the flock was apt to be lacking.

White Plymouth Rocks I still have, and I believe mine are pretty close to the original Plymouth Rock blood, for they now and then throw a Barred sport. I could not ask for better all the year around layers. I get a good yield of eggs in winter, spring and fall. In summer they lay best when they have abundant shade of a well-wooded range. They are good feeders but not gross feeders. They stand confinement and forced feeding well, but need abundant greens. In confinement they are apt to get the egg eating and feather pulling habit unless the supply of fresh green food is very liberal.

With White Rocks I can get 8 to 10 pound roasters at 24 weeks old and fine tender juicy flesh. I think I can get a little quicker and heavier growth with a first cross of Light Brahma male on White Rock females for roasting chickens. Do not keep the pullets of this cross for layers, but market them as roasters. When it comes to egg production I cannot see that the Leghorns have anything on the Rocks, but the latter don't make quite as much fuss about it and lay a big

brown egg. As the birds advance in laying the color of the egg is apt to run lighter.

So far as early maturity goes, I believe that is largely an individual characteristic and not a particular one of breed or variety. I don't want too early maturity. Prefer to have the birds make good full growth first and am satisfied if laying begins between six and seven months old. I find that Rock chickens generally grow all over and keep on growing if handled right. That is a good point, for it means that they are marketable at almost any age. The same is true of the Wyandottes, also favorites of mine. I have bred most of the varieties, but now stick to the White on account of the color chiefly. One of the best features of this variety is that the birds are always plump at all ages when well fed. Generally they lay a good sized brown egg, but it has a tendency to run smaller and lighter in color. With any fowl the size of the egg can only be kept up by skillful feeding.

Wyandottes are great foragers and if given a chance will wander far from the home coop. They are hardy and easy to rear. With purchased eggs I have had some difficulty in securing good fertility, but not so with home eggs. I haven't any fault to find with this variety, though as with all varieties the percentage of best quality market birds and good layers in the flock depends largely on the way they are developed. I have never yet found any real "egg type" and when it comes to meat excellence there is a wide variance with individuals in the same flock. I think I get greater uniformity in egg production combined with market excellence with Rocks and Wyandottes than with other varieties, but that is only my opinion.

As a hardy, easily reared egg breed I like the Rhode Island Reds. For broilers and small fryers the Reds have not done much for me, but they do well as larger chickens and make fine fowl. My Red chickens always seem to put all their energy into doing one thing and doing it well. When they grow frame they make a business of it; when they grow flesh they grow flesh and when they grow feathers they grow feathers. They seldom ever do all three at one time like the Wyandotte. I find the Reds a most desirable addition to a utility plant. When they get broody they are more persistent than the Rocks, but very little more disposed that way than the 'Dottes. It is as layers chiefly that I keep the Reds and they come in just about right as market fowl when the market demands live fowl at 20 to 25 cents a pound. They stand heavy feeding well and are not voracious eaters and seldom put on internal fat. Red pullets that weigh 5 pounds when put in the laying houses in the fall will usually sell as 6 pound fowl the next summer when the price is high. The big brown, very uniformly colored eggs are always in demand by my best trade.

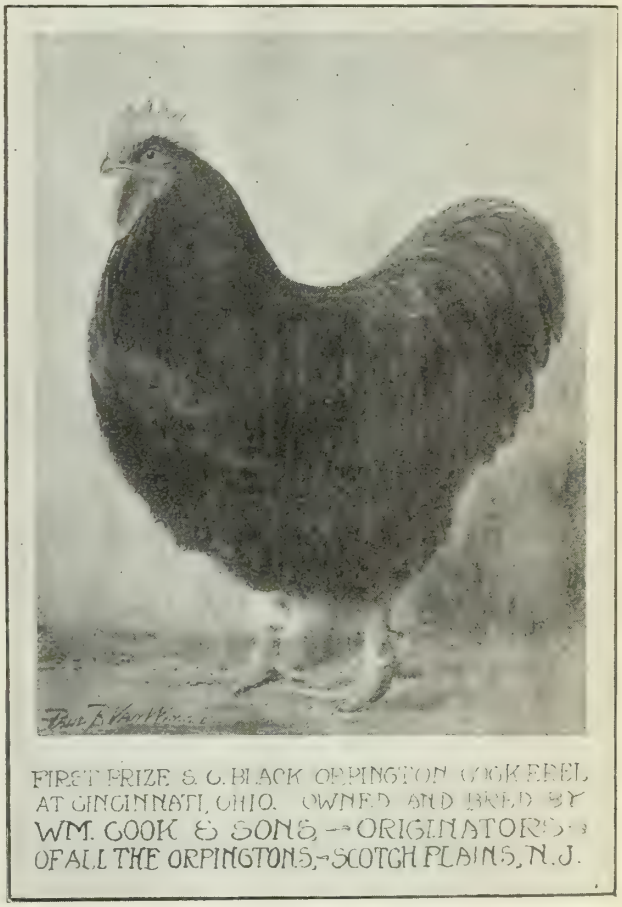
Some folks make a great bugbear of broodiness and think they must have a non-sitting variety. Most of the talk along such lines is just talk. Any fowl you get will rest or loaf some of the time. If she happens to be a non-sitter you can't make her useful during the loafing period. Some of the best layers I have had, trap-nested, too, in some instances, were allowed to hatch and rear a brood and I believe laid all the better for it.

I generally can find a use for all the broody hens I get. If I don't want to set them or sell them to some one who does want to set them, it is easy to break them up. I simply put them in a slat bottomed coop, swinging, and supply only water for first two days, then one feed a day of oats. In less than a week they have forgotten about being broody and generally begin laying again.

Among the Asiatics, besides the Langshans, I have bred Cochins and still breed Light Brahmas. The old fashioned Buff Cochins I found to be excellent layers, especially in winter. They also made good market poultry. My Brahmas lay well and make fine winter roasting chickens. The eggs are large and brown. The fowls are very tame and require only low fences to confine them. I would not want to run my plant without them. For roasters I use them bred straight. Also am using the Brahma as the top of a Rock cross and the Brahma females with a Cornish male for roasting chickens. I only use the crosses for quick growth under forcing.

So, I can only repeat to the beginner: Do your own picking and choosing. Select the particular variety that pleases you best. There is good in all varieties and if your choice is one of the more popular sorts you can feel double assurance that you will not be disappointed. There are big breeds and little breeds, breeds that lay large and that lay small eggs; that lay white eggs and that lay brown eggs.. Almost any of them will satisfy you when used as home killed poultry on the table, if you eat them when the meat is ripe to eat and have it properly cooked. The best quality in table poultry is largely a matter of skill in feeding. Getting eggs is more in the man than in the breed. If you want market poultry you have to know how to produce it and it is the same with eggs. The same ration that will grow good chickens from three weeks up to maturity will make either eggs or meat when fed to older stock. It is not so much in the food as in how it is fed and how the flock is handled.

I haven't done much in the way of pointing out the "defective points in breeds" because in my experience most



The United Farms now own the Wm. Cook & Son Orpington plant.

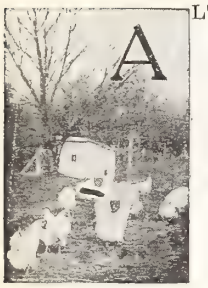
of such points are common to all varieties. There is a good deal of variation among individuals in the same variety. I find considerable differences in individual type in each variety. This is not confined to utility stock. You have only to go to the next big show to see that type varies a whole lot in any one class. Uniformity in type is something we all are working for, but how to get it without inbreeding to the impairment of constitutional vigor and the loss of some other desirable qualities is a big question. The fruit of one season on the same tree will vary and you can only get the appearance of uniformity by constant culling.

Guess I have said most enough, but did anyone ever buy you a necktie of their own selection and devout belief that it suited your particular style of beauty? And did you feel obliged to wear that tie to avoid hurting her feelings, though you loathed the tie and longed to lose it? Many have had that experience. If you prefer to select your own ties, don't ask the editor of a poultry journal to select a variety of fowls that will suit you. You have to work with those fowls and to see them daily—he don't. Do your own choosing.

Poultryman's Practical Dispensatory

Chapter II—Lime: The Upbuilder, the Upholder—The Shell and Bone-Maker.

By J. H. Petherbridge



ALTHOUGH THE MISSION of these letters is to treat in a practical way of Drugs—their use and abuse in the poultry yard, I am giving precedence to certain elementary substances that it would be an injustice and misnomer to designate merely as "drugs." For they occupy a much higher plane, owing their medicinal value to the fact that every animal organism must exhibit these elements in certain fixed ratios in a state of health and any departure or variation from these proportions means a disturbance to the vital functions, with resulting ill-health.

It follows, therefore, that in the use of Iron, Sulphur, Potash, Lime, and other elements I may later take up, as remedies—we intelligently do so for the purpose only of restoring Nature's balance. While we may err in our diagnosis, and frequently do, we attribute certain diseases and conditions to either a lack or an excess of some important mineral constituent of the fowl's economy and by its administration or antidote endeavor to supply the lack or overcome the excess and restore as far as possible conditions of normal and healthy action.

It is highly essential for us to know the importance of the minerals involved in the fowl's organism, their economical sources of supply, and be able, in a measure, to recognize and interpret the distress signal that an abnormal condition invariably flies. True it is that the well bred fowl with unlimited range and natural environment finds and appropriates without direction of ours, all those mineral elements that it stands in need of, but in these "shut-in" and "intensive poultry culture" latter days, hundreds of thousands of our birds are handicapped (or rather footbound) and entirely dependent upon our discernment and knowledge with but little opportunity to exercise their instincts.

Although but 5 per cent of the body weight of the fowl consists of mineral matter, this seemingly small percentage has most important functions to perform in the upbuilding and support of the bony structure and in the regulation of the density of the blood and digestive fluids of the stomach and intestines. The main source of supply of this mineral matter lies in the grain, the mash and the greens we feed them, but in addition to this organic mineral matter, a certain amount of inorganic is required for the formation of the egg shell and the proper development of the frame in the immature bird. In most situations this must of necessity be an artificial supply and as the mineral most in demand is lime, crushed shells, grit and ground bone may be our main reliance. It is asserted that one pound of oyster shells contains sufficient lime for the shells of seven dozen eggs.

I do not feel that I need apologize for including in this informal discussion of remedies brief reference and suggestion of other uses than as medicines for these indispensable minerals and their compounds. It has been my observation that it is the little, simple, generally known information, omitted because assumed to be known by all, that some reader stands in need of, and the writer who really aids one reader has accomplished more than in only entertaining or amusing the large majority who "know it already." It sometimes happens, though, referring to this majority of as well or even better informed readers, that they "are most ignorant of what they're most assured."

Calcium Carbonate is the most abundant and widely distributed calcium salt in Nature. Familiar to us in the form of limestone, shells and chalk. The subjection of limestone and shells to intense heat, drives off the carbonic acid and gives us an oxide, the lime of commerce, or as familiarly known, "quick lime."

The value of crushed shells kept in a hopper before the flock is mainly to supply the females with shell-making material for which purpose nothing can be cheaper or better. As a mechanical aid to digestion, crushed shell also fills some of the functions of grit, but as a bone builder, I am disposed to think shells have but little influence, there being in bone less than 4 per cent of the carbonate to 57 per cent of the phosphate of lime.

Chalk is a native friable carbonate of lime and the world's supply comes largely from the chalk cliffs and beds of England, France and the United States. There is one pharmaceutical product of chalk I can recommend for the poultry troubled with diarrhoea accompanied by acidity. Freshly prepared by the druggist, a teaspoonful of "Chalk Mixture" poured down the throat of the ailing bird at intervals of two or three hours should remedy the condition in a day's treatment unless there happen to be other more serious complications.

Quick Lime is soluble in about 700 parts of cold water. A little water sprinkled on lime is rapidly absorbed, with the evolution of much heat and vapor. This constitutes the phenomenon of "slaking," the first step in "whitewash" preparation. And allow me to interlope, if you should have a bird you believe is suffering from diptheritic roup, and you haven't killed it because it cost you good money, hold it head downward for a few seconds over the heat and vapor of some "slaking" lime; do this several times at intervals long enough for the sufferer to get a breath of fresh air in its lungs and you may effect a gratifying "cure." For use, however, as a disinfectant, purifier and for the soil, lime is better "slaked" without the addition of water, by simply exposing it to the atmosphere, and this we know as air-slaked lime. The addition of one or two handfuls of air-slaked lime to the sifted coal ashes many use on dropping board and in dusting box, will destroy all offensive odor and materially aid in routing body lice. The lime should be sifted and the lumps discarded for these may be unslaked and if eaten by the chickens will do serious damage to the digestion. In event that any of your birds give evidence of bronchial trouble cease using the lime for a time, as lime dust is extremely irritating to the air passages.

There is no more effective soil-sweetener or disintegrater of heavy clay soils than air-slaked lime. Before spading or plowing up poultry yards that have become foul by long usage and lack of growing vegetation or infected by a visitation of a contagious disease, give the yard a heavy top dressing of air-slaked lime and turn under; let rest for a few weeks with several stirrings up with harrow or rake and grow a green crop upon it before again using it as a run.

Lime Water.—Two ounces of quick lime, slaked with 4 ounces of water in a gallon bottle, agitate frequently for an hour with the addition of a half gallon of water, allow to settle and pour off this water. Then again fill up the bottle with fresh cold water and again agitate; cork tightly and set aside until use arises for it. Lime water is a valuable antacid and astringent and the clear solution in the bottle may be given full strength to the poultry in one of their fountains (but not metal ones) for the same purpose for which I recommended chalk mixture.

For quick relief to a burn, mix lime water and linseed oil, half and half, and apply freely to the burned surface.

Sulphate of Lime.—The combination of lime native in the different varieties of gypsum rock, hence the common name of gypsum for the crushed and ground crude, impure sulphate. It is also designated as land plaster. It has no medicinal use as an internal remedy, but is utilized by poultrymen as a deodorizer and absorbent under the roosts. Valuable to the agriculturist as a fertilizer—either alone or in combination with other chemicals, indispensable to the mechanic in many diverse employments, sulphate of lime is worthy of more extended notice.

Phosphate of Lime is the principal mineral content of

bones. Burned to a white ash, the residue shows over 57 per cent of phosphate of lime, and it is from this source we obtain phosphorus and all its compounds directly or indirectly. To furnish our flocks or individual birds, therefore, with the phosphate of lime, absolutely essential to the formation, growth and maintenance of their bodily structure and proper nutrition, I believe we need look no further than this original source of all other compounds of phosphoric acid and lime.

The precipitated phosphate of the drug store, the hypophosphite, the lactophosphate and the phosphide of lime, all have their distinctive application to the needs of human organisms, but they offer no remedial or constructive elements to our birds that a good quality of bone-ash, bone-meal and granulated bone does not afford at one-tenth the cost. And the highly important score of economy must never be lost sight of in our selection of remedial agents for domestic animals we "raise" for profit.

Bone-ash is the mineral residue of burned bones, the heat destroying all animal matter and driving off the carbon.

Bone-meal is the dried ground bone, varying in fineness from flour to the granulated and retains all the animal matter.

It therefore follows that whereas bone-ash offers the greater proportion of the phosphate, it lacks the food value of the meal and granulated bone.

Leg Weakness in chicks and growing stock. While there may be and in most cases are contributing factors, such as too warm floors in the brooder, imperfect ventilation, too close confinement, lack of exercise and overcrowding, the underlying cause of leg weakness is feeding a ration too rich in fat and flesh forming constituents and too poor in ash and bone-making material. The chicks gain in weight faster than they acquire strength.

The amount of corn and corn products should be lessened materially or for a time discontinued. Every mash fed, whether dry or moist, should contain the best quality of bone-meal you can procure to the amount of 2 pounds in a 25-lb. lot. And I would further recommend that in addition the individual hoppers of grit, charcoal and shell you add one for granulated dried bone. (I do not advocate green cut bone or blood-meal for immature stock.)

Chlorinated Lime (Chloride of Lime—Bleeching powder).—I presume there is not a reader but knows the familiar one-fourth, one-half and one-pound pasteboard or metal boxes in which this valuable disinfectant, deodorizer and germicide is offered for sale, but it may not have occurred to some why it is not sold in bulk. Owing to the readiness with which it parts with the chlorine upon exposure to the air, it rapidly deteriorates if kept in other than sealed containers. The value of chloride of lime, for the purposes named, depends upon the chlorine gas content. It is said that chlorine if present in the atmosphere in even the small proportion of 1 to 100 is able to destroy all disease germs, provided the air and the objects or substances to be disinfected are moist and the room tightly closed for a time. This offers a convenient and cheap method of disinfecting poultry houses that can be closely closed, involving less labor than usually called for in the use of other agents. Particularly so, if your water supply permits the services of a hose to thoroughly wash down all the interior.

Ridding the house of the excess water, but while everything is still damp and the air moist, sprinkle chloride of lime around liberally and close up house tightly for several hours. Then open up, sweep out the lime and allow the sunshine and air to complete the job.

Open boxes of chloride of lime should not be permitted to stand around the poultry house for deodorizing purposes; it soon becomes valueless for this purpose but always remains a menace to your birds in that, taken internally, it is a corrosive poison.

Calcium Sulphide (Sulphuretted Lime.)—A combination of lime and sulphur that is highly recommended for the treatment of canker, diptheritic conditions, chicken-pox and sore-head. As a local application for pus formation, canker and diptheria, it is applied directly but sparingly to the diseased membrane by means of a glass or metal tube.

Upon the first indication of an outbreak of chicken-pox in your flock (and its appearance upon one cockerel or cock is sufficient indication, even if you isolate him immediately) the "American Poultry Doctor" advises the thorough mixing in the moist mash, once a day, of 1 grain to each adult bird and the treatment kept up for a week. Half grown birds, ½ grain. The application to the sores of any good coal tar ointment and a thorough cleaning up and disinfection of the premises, with a material reduction in the amount of "meat" fed while under treatment, in addition to the calcium sulphide, is said to control and cure this nasty and far too prevalent disease.

Calcium sulphide may be purchased through your druggist in one or four oz. bottles, the latter package retailing for about 50c. If the top portion in the bottle shows a lighter color, throw this part away, for it is probably inert.

Should you have no small scale upon which to weigh out the required number of grains, counting a grain for each bird, ask the druggist to place a daily portion in each of seven small vials, tightly corked. The additional cost is justified by the accuracy and activity assured. Much of the calcium sulphide on retail drug shelves is inert and value-



FIRST PRIZE COCKEREL MADISON SQ. GARDEN, DEC. 1913
BRED AND OWNED BY F.W. CALMY, TIVERTON 4 CORNERS, R.I.

less, because in stock too long or too often exposed to the air. Buy it only in the original container and insist upon a fresh article. Don't mix it with the mash until feeding time and if they leave any portion of the mash uneaten, remove and throw it away.

Though this chapter has reached an undue length without even reference to many interesting and invaluable salts of lime, as for instance the carbide, upon which we are dependent for acetylene gas and the bisulphite without which the paper manufacturers would be at a loss and the subscription price of the A. P. J. would have to be advanced, I have no right to close without at least "honorable mention" to a lime product with which many poultry plants should be more intimately acquainted, **Calcium Hydrate.**

Whitewash offers an incentive to early rising, late retiring and encourages contentment. A dark, dismal, dirty house, renovated and then adorned with the hydrate of lime will cause the hens to sing:

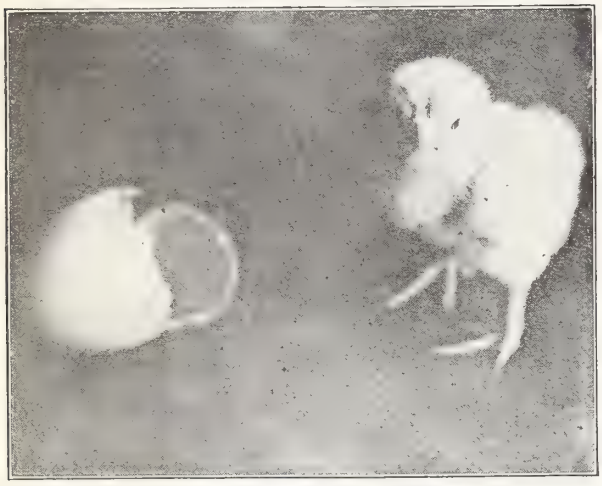
"Now is the Winter of our discontent
Made glorious Summer by this Son of Lime."

Improving and Increasing Egg Production

A Quarter of a Million Roosters Marketed on Missouri "Rooster Day"—Artificial Fertilization of Eggs—High Water Mark Reached in May Egg Laying Contest



THE "ROOSTER" has been "Swatted." Over 250,000 male birds were marketed in Missouri on "Rooster Day," Saturday, June 6th, and during the few days which preceded this. Practically all of the 1,500 buyers and wholesale dealers in eggs in Missouri co-operated with us in this movement, and from reports received from them thus far, it is safe to say that a quarter of a million males were marketed by Missouri farmers during "Rooster Week." The production of infertile eggs will mean the prevention of a loss of from $1,000,000 to $3,000,000 this season in Missouri alone. This movement also will result in the improvement of the quality of the poultry as most of these farmers will replace their scrub males with pure bred males. It will also result in the improvement of the cleanliness of the egg, the method of handling, and the improvement of the quality in general. The fact that farmers show enough interest in the quality of the eggs they market to dispose of their surplus males and market infertile eggs shows that they are making progress and taking some interest, and there will be a general improvement in the poultry business along all lines in this state as a result. The object in "Swatting the Rooster" is not to keep bacteria out of the egg as some seem to imagine, but to prevent chick development in fertile eggs. Before the eggs pass through the hands of the farmer, the country store, the local dealer, the wholesale jobber and the retailer, and by the time they reach the consumer, there has been considerable delay. An egg does not have to be in an incubator for the embryo to grow and develop, but chick development takes place in a hot country store or a living room or on a hot country road, on the road to market, or in any place or under any circumstances where the temperature is as high as it is on most hot summer days. By eliminating the fertility, we prevent chick development which causes our greatest loss in summer months. I have some eggs on my desk which are over a year old. They have never decayed. The contents simply dried up. "Swat the Rooster" by all means if you have not already done so. Confine him if you wish to carry him over for breeding purposes another season.



A chick at the Missouri State Poultry Experiment Station which was hatched from an egg which was artificially fertilized, artificially incubated, artificially hatched and artificially brooded. The mother of this chick was never allowed to come in contact with a male.

Artificial Fertilization.

We have been making some experiments along this line and have some living chicks hatched from eggs laid by hens which have never been allowed to run or come in contact with, or be treaded by a male bird. From what experiments we have made, I believe we can collect the semen from the champion Barred Plymouth Rock male bird at New York, Madison Square Garden Show, carry it to Missouri and then fertilize eggs from the champion pullet at the Missouri State Show if that pullet is in laying condition. Artificial fertilization of eggs may never be practical, but we learn other things as a result of work of this kind. We have been surprised to learn the length of time the male germs will live out of the body of either the male or female. We have allowed the semen to become perfectly dry, and then after two hours or more moisten it and find hundreds of them still living and moving over the field under the microscope. Our experience has led us to believe that about 5 per cent of the males used for breeding purposes are practically sterile—that is, that their germs are so weak that they do not fertilize or else the semen is lacking in male germs. We have living chicks hatched from eggs artificially fertilized, artificially hatched and artificially brooded. Some interesting facts are being developed with reference to this work, and mention will be made of them in later reports.

Facts About Egg Formation.

For some time our Pathological Department has been observing abnormal eggs and facts as to their cause, significance, etc.

36 abnormally small eggs were recently examined.
25 contained yolk or some part of yolk.
5 contained blood clots.
3 contained particles of chalazea.
1 contained a hard lump of albumen.
1 a normal yolk.
1 contained a ruptured yolk and no albumen.

The small eggs were laid in the regular course of laying, the greater number of the hens laying the day before, and the day after, two laying the same day. The common idea is that when a hen lays an abnormally small egg that the hen has laid her clutch and is going broody or else it was the first egg laid by a pullet. This idea is incorrect, for as a rule the hens which lay small eggs lay regularly both before and after laying the small eggs. The facts are that any object getting into the funnel of the oviduct will stimulate the oviduct action so that it is moved down the oviduct, causing the albumen and shell to be placed around it. In certain yards at this Experiment Station, on April 28, 1914, 1,068 eggs were laid. On the night of April 28th there were 27 soft-shelled eggs laid, or an average of about one egg to 40 hens in these same pens. Of the 18 hens which we know positively laid soft-shelled eggs, 12 of them laid on that date, the day before and the day after, showing that the soft-shelled egg is laid in the regular course of laying, between hard-shelled eggs. With regard to the soft-shelled eggs, there are many theories advanced, such as the lack of egg shell forming material, over-exertion on the part of the hen or of her egg organs, inflammation of oviduct, etc. The tests made here indicate that a lack of shell-forming material, such as shell, grit, etc., is not always the cause of soft-shelled eggs. They may have imperfect shells, but a lack of material will not produce a soft-shelled egg one day and a hard-shelled egg the day before and the day after. It is interesting to note that principally during the day is nature's time for the movement of the egg through the oviduct, and at night the egg rests and receives the shell in the shell-forming section. For this reason, the soft-shelled eggs are laid in the fore part of the night, and the harder-shelled ones later in the night. The records of the 24 double-yolk eggs were kept. Six of the hens did not lay the day before, but laid the day after; eight of the hens laid the day before, but did not lay the day after; nine of the hens laid the day before and the day after; one hen laid only one egg during the month. Some of the double yolks were contained in one chalazea, while some of them

were in separate chalazea. In eight large eggs containing two yolks which were examined, six eggs contained yolks which were the same size. In two, one yolk was smaller than the other. In three, the yolks were in the same chalazea. One of the largest hens in the contest is a Plymouth Rock and weighs 8½ pounds, and has laid 12 eggs, or not quite 1½ eggs to every pound of her body weight. One of the smallest hens in the contest is a Campine and weighs 1½ pounds, and has laid 103 eggs, or nearly 70 eggs to every pound of her body weight.

Contest Report for May.

The hens reached the high-water mark in May, laying 20,418 eggs during the month, or an average of about 20 eggs per hen. The grand total for six months is 90,149 eggs, or an average of 87 eggs for good and bad. In other words, the pure-bred hens in this contest, coming from all parts of the world, have averaged 15 eggs more in six months than the average farm hen lays in a year. The highest pen average has been made by the English White Leghorns, 133 eggs per hen. The highest average made by a single variety, all pens competing, has been made by Buff Orpingtons, averaging about 100 eggs per hen. The other varieties run from 80 to 100 eggs per hen on the average. The English S. C. White Leghorns again broke the record for May by laying exactly the same number of eggs they laid in March—257 for the month.

Three hens laid every day in May. One was an English White Leghorn, No. 02, owned by Tom Barron. Another was a Barred Plymouth Rock, No. 592, owned by B. F. W. Thorpe, of Ohio. The third was a S. C. White Leghorn, No. 1009, owned by the Linfield Poultry Farm, from New Zealand. Each laid 31 eggs in 31 consecutive days. The Barred Rocks made quite an increase in production in May; so did both the S. C. and R. C. Black Minorcas. Other varieties also did well, and in fact practically all those which



Third Cock, Chicago Coliseum Show, December, 1913. Bred and owned by Flanders' White Leghorn Farm, Orchard Lake, Mich.

have been slow to get started are now making up for lost time. A few hens have never laid an egg.

The best pen record made thus far by representatives from the various countries is as follows;

S. C. White Leghorns made best English record	1,330 eggs
S. C. Reds made best United States record	1,152 eggs
S. C. Reds made best Missouri record	1,152 eggs
S. C. White Leg. made best Vancouver Is. record	980 eggs
White Wyandottes made best Ontario, Can., record	949 eggs
S. C. White Leg. made best New Zealand record	942 eggs
S. C. White Leg. made best Brit. Columbia record	904 eggs
S. C. White Leghorns made best Australian record	844 eggs
S. C. White Leg. made best South African record	797 eggs

In the contest just closed in New Zealand, the leading pen of six pullets averaged 278 eggs each. We have some birds in this contest from some of the New Zealand winning pens. They were not larger than fryers when they arrived here and of course have had no chance yet to show what they will really do in this country. In New Zealand and Australia they do not use trapnests, as I understand it, and it is only the pen record that they get. If a pen averages 278 eggs, there must be several hens in the pen which laid nearly 300 eggs, and perhaps some more than that. I really believe we can avoid the excitement and handling and get



One of the many prize-winning Black Orpingtons owned by J. H. Wendler, Lakeland, Fla.

a few more eggs from pens where they are not trapnested. But you cannot determine the good and bad individuals without the trapnest.

The varieties in this contest rank as below, and the best pen record made by each pen of ten hens for the first six months is as follows:

Pen 0—Foreign S. C. White Leghorns, England	1,330 eggs
Pen 47—S. C. R. I. Reds, Missouri	1,152 eggs
Pen 79—American S. C. White Leghorns, Pa	1,094 eggs
Pen 18—White Wyandottes, Pennsylvania	1,089 eggs
Pen 53—Barred Plymouth Rocks, Illinois	1,062 eggs
Pen 38—White Orpingtons, Pennsylvania	1,054 eggs
Pen 51—White Plymouth Rocks, Arkansas	1,031 eggs
Pen 5—Anconas, Missouri	1,028 eggs
Pen 4—S. C. Buff Leghorns, Michigan	1,025 eggs
Pen 32—Buff Orpingtons, Missouri	1,014 eggs
Pen 45—R. C. Reds, Missouri	1,011 eggs
Pen 13—Campines, New Jersey	959 eggs
Pen 48—S. C. Black Minorcas, Missouri	950 eggs
Pen 23—Silver Wyandottes, Missouri	948 eggs
Pen 55—Buff Plymouth Rocks, Pennsylvania	936 eggs
Pen 22—Buff Wyandottes, Missouri	935 eggs
Pen 35—Black Langshans, Missouri	900 eggs
Pen 37—Black Orpingtons, Missouri	891 eggs
Pen 14—Rhinelanders, California	865 eggs
Pen 42—R. C. Black Minorcas, Missouri	715 eggs

T. E. QUISENBERRY.

Womans Success With Poultry

Helen F. Woods, Editor

A Department for the Exchange of Helpful Poultry Experiences

NOVEL UNIFORM OF POULTRY WOMAN



AS A RULE, a woman who keeps poultry dresses after the manner of womankind in general, but probably there never was a woman engaged in poultry work who has not at one time or another regretted her inability to discard cumbersome skirts while about her work.

Mrs. A. I. Cruzon, a woman of sixty, who keeps a flock of more than a thousand layers, has laid all convention aside and dresses in clothing convenient and suitable for her work. Although located near a city of about ten thousand inhabitants, with neighbors on all sides, she has not consulted public opinion in the matter but planned her uniform to give freedom of action and comfort.

She wears the regulation soft shirt, flannel or light weight material as the weather demands, with khaki bloomers in place of the usual skirt. These, together with a large straw hat and a pair of high-top lace shoes are worn at all times, while at work about the poultry.

Mrs. Cruzon's husband is an invalid and unable to assist her about the farm, but she needs no assistance, for she climbs a ladder or crawls through a small opening just as readily as could a man.

Mrs. Cruzon uses open-front houses exclusively, the north side of house being boarded part way up as shown in the illustration, with the rest of the opening covered only with wire netting. The houses are open to the north because all of the heavy winds and storms in her vicinity come from the south.

The roosts are arranged above a dropping board about three feet from the floor and along its edge is built a steel track on which is run a litter carrier into which the droppings are scraped. The track runs out the end of the house, where the droppings are dumped into a sled or cart and hauled to the fields.

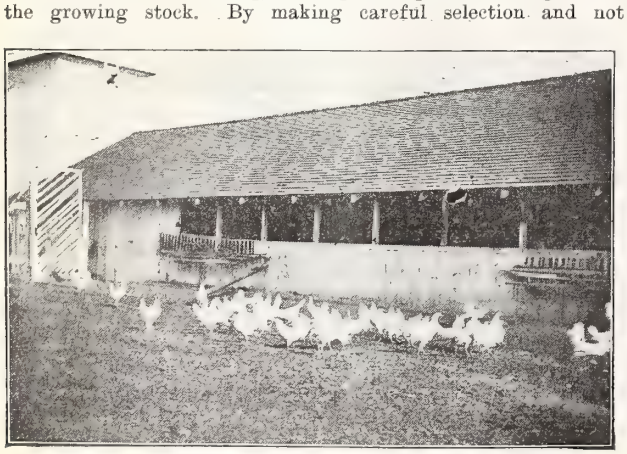
Mrs. Cruzon uses a variety of grains, ground and whole, and during the greater part of the year gives a mash once daily. Self feeders are used for dry mash and whole grains. Green stuffs are provided plentifully the year round, consisting of kale, alfalfa and mustard, all of which are grown on the home ranch and prepared for feeding by running them through a small hand cutter. Beets are also grown to some extent for winter feeding, the tops being fed while green to the growing stock. By making careful selection and not taking too many leaves from the growing plants, the growth is not interfered with. These leaves when run through the cutter make ideal green stuff for growing chicks.

Mrs. Cruzon keeps careful records of her receipts and expenditures and figures that she gets something like fifty dollars a month for labor, besides a good part of her living expense. She has made a study of her business and aims to anticipate the wants and needs of her birds. She raises White Leghorns exclusively, being near the San Francisco market, which prefers the white shelled egg.

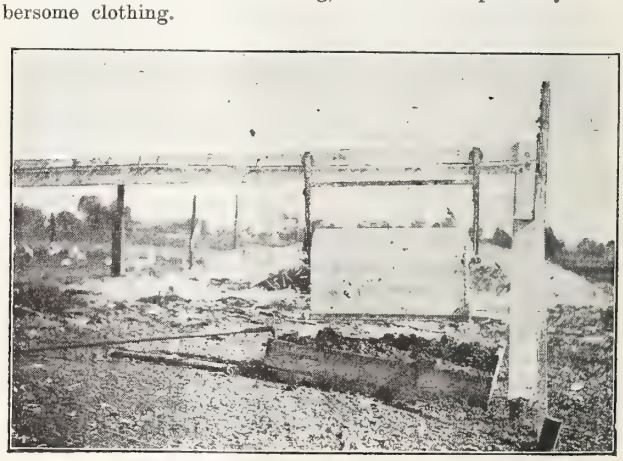


"A POULTRY WOMAN'S CONVENIENT DRESS."

A good share of the success of this farm is attributed by its owner to the fact that she is dressed for her work, and thus, no matter what the undertaking, she is unhampered by cumbersome clothing.



"OPEN FRONT HOUSES ARE USED EXCLUSIVELY."



"A LITTER CARRIER MAKES CLEANING EASY."







"HUBBARD BOY"



"MISS BEETLE"

WINNERS OF ALL FOUR FIRST PRIZES IN SINGLE CLASSES: COCK, HEN, COCKEREL AND PULLET AT MADISON SQUARE GARDEN, DEC. 26-31, 1913. BRED AND OWNED BY R. M. BARNUM, LIME ROCK, CONN. FOXHURST FARM

EDITORIAL

WE LEAD
OTHERS FOLLOW

65,000 A. P. J.'s for July, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the July 1914, issue.

G. M. ATWELL

Subscribed and sworn to before me this 21st day of June, 1914.
(Seal) HENRY G. EISERT,
Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

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Look at the address on your wrapper. See that it is absolutely correct and notify us of any mistake, no matter how slight. Note the expiration date which appears thereon, as American Poultry Journal stops with the issue marked on your wrapper.

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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

"Home Rule" for Transformed Branches.

THE lengthy report of the committee appointed to revise and codify the constitution and laws of the American Poultry Association is now in the hands of members and will be acted upon at the annual meeting in August. The report is certainly "worthy of a thought" for the members of the committee are men of experience in organization work and the majority of them have had abundant active work in the A. P. A. to make them familiar with the needs of the association.

As a whole it appears to be a practical and workable constitution and laws adapted from other organization rules and made to fit the peculiar needs of the A. P. A. Extended comment will be found elsewhere on certain sections and we believe would be better for further consideration and amendment.

Apparently the committee could not find any practical way to get rid of the $10 life membership incubus with which the association was saddled in the early days. It would be difficult to find a satisfactory way to provide for annual dues, and a better balanced life-membership fee, in an organization where the paid up life members now are reckoned in thousands. It is evident that the A. P. A. is likely to continue to depend for its revenue upon new life memberships and the sale of revised Standards and other copyright works. We believe that a national organization is seriously handicapped in its field of usefulness when it must depend largely on publishing and selling copyrighted works in order to get money enough to live on.

There ought to be a way to reach out and help everybody interested in poultry without making it so palpably a commercial proposition, operated for profit of the organization and to provide jobs for a few. Both fancy and market standards ought to be broadcasted throughout the country to build up better poultry and insure more of it. Effort should be made to interest outsiders in poultry keeping, and, once having secured their interest, every effort should be made to help them to succeed and to retain their interest. Continual demands for the loosening of purse strings of prospective breeders or fanciers is not conducive toward insuring permanent and healthful interest. Methods that are well enough in a big business are not so desirable in a big, and supposedly helpful, national association.

The criticism is frequently made, and not without just cause, that the poultry interests are built up largely upon extravagant claims of extraordinary profits. That every known means is used to get people into the poultry business, the lure of big profits is always dangled like bait before the beginner but he seldom gets any information as to the real facts. That every effort is made to get the beginner to buy Standard-bred fowls, but once he parts with his money little effort is made to show him how to make the best of his venture and keep the stock purchased from deteriorating. There appears to be a great deal of booming and boosting of the extraordinary virtues of breeds and varieties, but very little interchange of helpful experience and knowledge of how to make good with Standard-bred stock.

Commercialism is rampant throughout the poultry world. Everybody has something to sell including the national organization, but few have helpful advice to offer that is not jammed full of advertising lure to draw more business and more shekels from the would-be poultry keeper.

What we need is more real facts and truths about poultry, more helpful information how to improve and standardize both fancy and market poultry and how to succeed in the various branches of poultry culture. Here is a field where the A. P. A. might shine brightly as a disseminator of helpful, truthful poultry information, divorced from boosting and advertising of somebody's world wonders. Free bulletins, free information, ten, twenty-five and fifty cent standard books that sell for ten, twenty-five and fifty cents, and not fifty cent books that sell for two dollars.

There ought to be room, and there certainly is need, for a really national, helpful, lend-a-hand poultry association and it ought to be the A. P. A. The annual meetings ought to give more time to institute work and interchange of ideas and experience instead of wasting so much time in "business" sessions that are full of "hot-air" debates, personal advertising, and laboring mountains that bring forth mice. It may be that the proposed constitution will help to bring about the changes needed, but it doesn't appear on the surface. One of the most encouraging things, and what is apparently a step in the right direction, is the provision for transformation of the branch into State and Provincial organizations with "home rule." Provision is made for practical representation of such organizations in the national body in proportion to size. The State and Provincial organizations are independent in a practical way, fix their own dues so that they may be self supporting and act with the A. P. A. in accordance with their strength of membership. With efficient co-operation on the part of the A. P. A. such State and Provincial organizations should be capable of doing great good work and their power will be in proportion to the interest they create and maintain. With organizers of the right sort and sufficiently broad minded officers the proposed State and Provincial organizations can be made a great power

for good. The difficulty will come in amalgamating existing organizations into the transformed branch and in the doing away with local jealousies and carpet-bag politics. Let's hope that this may be the beginning of better things. Below is the text of the constitution as it applies to membership and the transformed branches:

"ARTICLE I.

"Members of Association.

"Section 4. The members of this association shall consist of three classes, as follows:

"(a) Individual Life.—Individual membership shall be for life, and shall entitle the member to a voice and vote in meetings of the association which he attends in person, and to a vote in the elections by mail; and shall be the first qualification for eligibility to act as a representative of an Associate or State or Provincial member.

"(b) Associate.—Any local poultry association, specialty club, or society organized in the interests of poultry culture may become a member of this association, if approved by the Executive Board, and shall be entitled to one representative at meetings of this association, and to one vote in all elections by mail. An Associate Membership shall be for such period as the member shall continue to exercise the privileges of this form of membership. The representative of an associate member must be an individual life member.

"(c) State and Provincial.—Any State or Provincial organization of poultrymen may become a member of this association by giving the Executive Board satisfactory assurance of its purpose, while maintaining its independence within its own jurisdiction to co-operate with this association in the development of its general policies. Each association so federating with the American Poultry Association shall be entitled to one representative to each one hundred members, or major fraction thereof of the State or Provincial association. No representatives shall be permitted to cast more than one vote. Only life members of the American Poultry Association shall be eligible to serve as representatives of State and Provincial members. Only one State or Provincial member shall be admitted to membership from each State or Province.

"The President of a State or Provincial member, if a life member of the American Poultry Association, shall ex officio be a member of the Executive Board. In case the President of a State or Provincial member is not a life member of this association, the State or Provincial organization may delegate one of its members who is duly qualified to represent it on the Executive Board."

Narrow Law for "Helpful" Association.

IN the proposed new laws of The American Poultry Association, Article XIV, we find the following:

"Section 103. It shall appoint from among its members a sub-committee of three on Certificates, Diplomas, and Medals, and arrange to supply these awards of merit to associate members for the encouragement of exhibitors at poultry shows; such certificates, diplomas, and medals to be competed for by individual life members of the Association only, and gold and silver medals to be given annually at the show of the Associate member in each State or Province which secured the largest number of individual life members for the American Poultry Association up to October last in each year. No certificate, diploma or medal offered by this Association shall be given except when awards are made by a judge licensed by the Association, and at this official American Poultry Association Show the Association premium ribbons must be used."

Isn't that a very narrow "Law" for a supposedly helpful association which advertises that: "On its shoulders rest this gigantic Billion-Dollar Industry"? What is the good of an organization that rules by law that its prizes can only be competed for by individual life members? Is that the right way to enter upon a broad field of helpfulness and usefulness? Why not give the prizes to the best specimens, regardless of whether the exhibitor is a life member of the A. P. A. or not? Wouldn't the winning of an A. P. A. special prize by a non-member be likely to inspire him with the desire to become a member of an association broad enough to award prizes for merit in a specimen without any strings on the award?

Better amend that section to read—such certificates, diplomas and medals to be competed for by ANY reputable exhibitor. Open American Poultry Association prizes to be the competition of all persons who are interested in breeding, growing and exhibiting Standard-bred poultry. Leave the membership string out of it and trust that the spirit of good fanciership, inspired by a broad-minded management of a really helpful association in a broad field of usefulness, will lead that prize winner to seek membership in the association.

We would also strike out the requirement that the awards must be placed by an A. P. A. licensed judge and that A. P. A. ribbons must be used. The show secretary and management are the ones who decide on the judges and where to buy ribbons. Why penalize the exhibitor and bar him from winning a deserved A. P. A. special prize simply because the show



management exercised its best judgment in the selection of judges and bought its ribbons of some dealer other than the A. P. A.?

A. P. A. prizes ought to be given for the purpose of "encouragement of exhibitors at poultry shows" as the law proposes and then proceeds to defeat its own object by puerile and narrow restrictions. Give the prizes to the most meritorious specimens and make the only requirement one of real Standard-bred excellence. Why not try to get away from narrow methods and the "I am holier than thou" attitude in which the mantle of holiness is conferred because of membership in the national organization? The greatest good for the greatest number ought to be the object of the A. P. A. if it really desires to be truly helpful and to become a truly national organization.

It is all nonsense to prate of the "Billion-Dollar Industry" resting on the shoulders of the A. P. A. It does not and never did. The statistics, from which the estimated "Billion-Dollar Poultry Industry" has been presumed, consider chiefly eggs and poultry (meat and eggs) in market channels and on farms. Of the 6,000 or more A. P. A. members comparatively few have any noteworthy representation in the statistics and there are vast multitudes of poultry keepers outside the association (who know next to nothing about it, or its objects) who have more to do with the makeup of the "Billion-dollar Industry." Instead of swelling up like a big frog in a small puddle and imagining that it controls the world, which to the frog is confined to the puddle, why not make some real effort to get out into the great nation-wide field and to help and interest all poultrymen. Don't build a spite fence about the A. P. A. puddle and charge admission. Extend interest, promote helpful poultry work everywhere, provide rewards of merit for every earnest poultryman in the nation, inspire poultrymen, and particularly members, with the desire to help, befriend and encourage all other poultry keepers. Don't try to commercialize the association to any greater extent than is absolutely necessary to keep it working, and useful and helpful. There will be no lack of members and seekers after membership in a truly-helpful, really-national organization that is working always for the best interests of all poultrymen of all-America.

Without further comment on Section 103, Article XIV, of the proposed laws, we quote herewith the remarks of Editor W. B. Atherton, in *American Fancier*, on the subject. Mr. Atherton is one of the most competent big show secretaries in this country and he speaks with authority as well as some feeling. Something over a year ago he pointed out to us, and was ably backed by a judge in good standing, the unfortunate fact that special prizes not infrequently go to inferior specimens simply because the owners of better birds do not belong to the association offering the special. Section 103 would foster the continuance of such undesirable conditions. "Encouragement of exhibitors" can only be accomplished by making competition open to all breeders and fanciers. Herewith is Editor Atherton's comment on Section 103:

"Of all the silly, idiotic propositions yet put upon the old A. P. A., this is the limit. It is the same old game of the almighty dollar before the hen to fill the coffers of the treasury so as to pay committees $5 per and expenses, and other things. The great (?) national organization that is supposed to benefit the poultry industry of America proposes to confine its prizes to members, thereby making exhibitors come in at $10 per.

"But the greatest tomfoolery is the proposition that these prizes must be awarded by a licensed judge and A. P. A. ribbons used.

"That's enough to make a cat laugh. Imagine an exhibitor at the Podunk show that fell for such a proposition advertising that he won one of these specials under a licensed judge and upon looking up the judge find him to be someone never heard of but who turned out to be a pigeon man who held a license to judge poultry as was shown to be the case last year.

"The A. P. A. has gone into the ribbon business, now they better take up roup cures and indigestion tablets. The people of this country have had about all the dictatorship that they will stand for as some of the moguls of finance are beginning to realize and the A. P. A. better go a little slow in this matter or they will find themselves more unpopular than a certain other A. P. A. did some years ago.

"If this thing passes the fanciers of the country may take it upon themselves to form an organization that will handle things for the benefit of the hen and let the almighty dollar take a back seat."

Poultry Ideas, owned and published by the Blair-Young Publishing Co., of Louisville, Ky., has consolidated with the "old" Industrious Hen, published in Knoxville, Tenn., for the past eleven years. The combined papers are now published as one under the name of The Industrious Hen, at Louisville, the new location being in the center of the field the circulations of both papers cover.

Hot Weather—Safety First.

DURING the hot weather bear in mind that popular present day slogan: "Safety First." It is better to be safe than sorry and prevention is far better than cures. Practice "safety first" by making your fowls comfortable in hot weather.

Keep the poultry houses wide open. Take out the windows. Don't fret about drafts. With open-air comfort drafts are not dangerous.

Provide plenty of shade and cool shelters. If the shelter is so made that it will afford protection against sudden showers, so much the better. Old canvas "pup tents," board shelters and lean-tos of evergreens all help. Don't summer hens in sun-baked yards. If possible, get them out into an orchard or grove and let them roost in the trees. Keep the yards seeded down to quick growing greens. Corn, if protected until well started, makes good summer shade.

Feed plenty of fresh raw succulent greens. See that the fountains are kept filled with cool drinking water and that they are placed in a shady spot.

Be careful that all food is sound and sweet. Spoiled food is dangerous and poisonous. Much of the "mysterious disease" affecting chicks and fowls in hot weather is really due to spoiled and poisonous food. Do not stock up with much grain at a time. Feed it out promptly and fill feeders often. Be particularly careful in buying beef scraps and ready-mixed cracked-grain foods.

Apparently a good many beef scrap manufacturers are growing careless, seem to think anything good enough for poultry. They do not pay sufficient attention to the quality of their product, frequently adulterate the scraps or put up stuff that is fit only for fertilizer and is sometimes poisonous. Out of ten samples of scraps sent in by poultrymen recently, we found only one that was fit for poultry food. The other nine were absolutely not fit for poultry feeding. The demand for good beef scrap is far in advance of the supply. Manufacturers get a good price for their product, a big price often, and some of them are so unscrupulous that they fill orders with any sort of refuse that they can work off as scraps. They should wake up and pay more attention to quality and to delivering good values; otherwise they may find their business on the wane and a big crop of damage suits on their hands. We believe the poultryman who loses chicks and fowls from bad beef scrap has a good chance to recover from the manufacturer.

Cracked grains spoil quickly in hot weather. Some cracked grain mixtures are made up from inferior quality grains. Be sure when you buy any ready-mixed cracked grains that they are sweet and sound. Such should be freshly prepared. If old and stale, refuse to buy it. If it is lumpy and appears to have heated, if it smells musty, if it shows greenish and bluish mould on the particles of cracked grain, refuse it, for cracked grain of that sort will poison your chicks and fowls.

Remember, "SAFETY FIRST."

Shoot the Foxes.

IN many sections of this country those who "follow the hounds" appear to think it a criminal act for a farmer or poultryman to shoot a fox.

For several years poultrymen of the Massachusetts south shore have worked hard to get the state to put a bounty on foxes, and many hearings have been held. To hear the "fox hunters" at these hearings one might easily imagine that the clan of Reynard the Fox possessed all the virtues in the calendar and no vices. We learn that no fox would deign to steal and kill chickens and that the fox is one of the most cunning and virtuous of the "four-footed friends of man." Also that foxes should be protected and encouraged to breed in woodland dens, that the gallant fox hunters may make the moonlight nights hideous with the baying of hounds on the trail of the virtuous fox. Of course no one should interfere with this glorious and manly sport, and it matters little that the farmers' fields are invaded and his crops ruined by the "sportsmen" (?).

What has amounted to protection for the foxes has resulted in a remarkable increase in the numbers of these pests on the south shore, and their boldness and audacity is astonishing. In our home section they have repeatedly been seen in the public roads and in farm dooryards. They carry off chickens, fowls, geese and ducks in broad daylight and appear to have no fear of entering fenced poultry runs to seek their victims. Many of our friends complain of serious losses of poultry from foxes.

Although we have found them troublesome in past seasons, we have never before had as much trouble with foxes as this spring. Thus far we have not been able to catch one of the crafty villains. On one bright June afternoon foxes broke into the run of one of our poultry houses in the woods and killed ten yearling White Plymouth Rocks and carried off eight of them. So cunning and crafty is thief Reynard that we haven't yet been able to get a shot at him. Fox skins are worth the taking even if there is no bounty, and poultrymen should shoot, trap and endeavor to kill off the fox pest. It will take quite a few good pelts to make up for the loss occasioned by a single raid of hungry foxes. Shoot the foxes.

A. P. J. 1914 Chick Growing Contest.

SEVERAL readers who entered the 1914 Chick Growing Contest write that they are having fine luck with their chicks and are getting some good photographs and hope to win one of the prizes when the contest closes. There are a nice lot of entries and we hope for some very interesting photographs of chicks of different ages in a number of popular varieties. The reports of the experience of contestants should prove most interesting and helpful to others, and we hope all who have entered will keep up their interest and do their utmost to win.

DR. WOODS' NOTES AND COMMENT.

Come, Consider Constitution, Chicago Convention.

* * *

The committee of seven to revise and codify the constitution and laws of American Poultry Association presents its report in 30 pages of closely printed matter. Every member is now supposed to have a copy of this report. If you did not get yours, write to Secretary Campbell at once and ask for a copy. Read it and digest it. If unable to attend the Chicago Convention August, 10th to 15th, write to the Secretary and express your views concerning the proposed constitution and laws. If you can come to Chicago, come prepared to vote intelligently on the new con-



Buff Orpingtons **The Fashion Plates**

Eggs at half price. Stock quoted far below its real value. 40 cocks and 200 hens offered singly or in pairs, trios, pens or mated yards.

These are a part of **our 1914 breeders** and worth while for you to own.

Have you seen **The Orpington Fashion Plate Book?** It's crowded with **poultry talk**, beautifully illustrated, 56 pages. Free.

A. E. MARTZ & SON - Buff Orpington Specialists - Box A, ARCADIA, IND.

OFFER

To introduce our goods we will send postpaid to any address in the United States, **3 Mason Jar Feeders and Fountains for 25c.**

SIMPLEX SUPPLY HOUSE
PONTIAX BLDG. CHICAGO, ILL.

Get our free catalog of automatic feeders and other poultry appliances

All three 25c



Feed **Water** **Grit**

Here are three little labor-saving sanitary devices you cannot afford to be without. They are made of heavy galvanized iron, extra deep, and will fit any Mason Jar

stitution and laws. The committee has worked hard to help the Association to help itself; the final consideration of the matter is now up to YOU.

* * *

On first reading it appears that the new laws are designed to make the Association more effectively operable and to put State and Provincial associations on a better and more powerful footing. When the new constitution, if adopted, goes into effect the Branch as we now know it will cease to exist. State or Provincial associations are to take the place of the branches and are to perfect their own organizations, fix their own fees, dues and membership requirements and the organization will have representation on the Executive Board of A. P. A. The independence of the state and provincial organization should make it a greater power for local benefit than the old branch organization.

* * *

Section 103, Article XIV, of the proposed new laws ought to be revised and amended. It is too narrow minded and reminds one of the story of a great book that was designed to help humanity. The book was published only in a "de luxe" edition and sold at a high price by subscription. After the author's death certain public spirited persons endeavored to have the book published in a low cost paper-covered edition so that the masses might buy the book and profit thereby. The heirs-at-law objected and refused to allow the cheaper edition because it would make the book "too common" by thus allowing it to be broadcasted among the common people. Section 103 practically says: If the show management buys its ribbons of the A. P. A. and employs A. P. A. licensed judges then the A. P. A. will encourage exhibitors by allowing them to compete for A. P. A. certificates, diplomas and medals (special prizes), provided that the competing exhibitor is an individual life member of the A. P. A. and has duly paid his ten dollars into the treasury. It makes no difference if some non-member has a better bird in the same class, the life member will win on his membership and not on the merit of his specimen and will get the special prize, provided the judge has a license and the management bought its ribbons at the A. P. A. store. Great encouragement of exhibitors that!

* * *

The proposal to fix the date of the annual meeting, beginning the second Tuesday in August of each year, is a good one. Section 11, Article III, of the Constitution reads:

"Section 11. The annual meeting shall begin the second Tuesday in August of each year, the place of holding it to be determined by a mail ballot of the association at the time and in the same manner as the mail election of officers.

"It shall not be held at any other time, or in connection with any poultry exhibit or display, unless for extraordinary reasons the Executive Board recommends at an annual meeting that exceptions to one or both of these specifications be made for the next annual meeting; in which case the time, as well as the place, shall be determined by vote of the whole association in the annual mail ballot.

"(Note—This exception is made to provide for such cases as the Panama-Pacific Exposition in 1915, when it would be impractical to hold the meeting of the Association separate from the poultry show.)"

The various provisions covering the Executive Board and particularly the elective members of same, their special preference and perquisites, will bear careful reading and consideration. The Executive Board is to be made up of the President, Vice-President, Secretary, six elective members and the Presidents (or their substitutes) of all State and Provincial members. It is provided that:

"Section 28. The Association shall pay the railroad fares of the President, Vice-President, Secretary, Treasurer and the elective members of the Executive Board to all executive meetings, of the Election Commissioner for attendance at the annual meeting, and of such members of the Committee on Judiciary, and the Committee on Welfare, Grievances and Appeals as are not members of the Executive Board, and shall allow these officers and committeemen $5.00 per day for other expenses while on service. All other committees shall receive such expenses and compensation as the resolutions creating them provide."

It will be noted that no provision is made for the expenses of the ex-officio members of the Executive Board and that the elective members of the Board are given preference in committee assignments. Mr. Robinson, who helped prepare and edited the proposed constitution and laws, explains this in June Farm-Poultry as follows:

"A feature which may come in for some criticism at first is the preference generally given to the elective members of the executive board in committee assignments. There is a reason and a good one for this. Those members of committees selected from ex-officio members of the board will not have their expenses paid by the association. Presumably they will be paid by the State or Provincial organizations, but as the A. P. A. cannot legislate for them, there is not the same certainty of the attendance of an ex-officio member of a committee at annual meetings that there is of the attendance of an elective member. In all provisions relating to the composition of committees, special care is taken to insure the attendance of a working portion of each committee without putting extraordinary expense upon the association. This, of course, means that the elective members whose expenses are paid anyway are required, if they do their duty, to 'work for their passage'. Upon them the association places the greater responsibility for the work of committees of which they are members."

* * *

It is proposed to have the Standard revised once in eight years instead of every five years and provides that the Committee on Standards consist of five members, two of whom shall be general licensed judges, one a competent artist, and one a man qualified to edit the Standard. We would suggest making it a committee of three, one a competent general poultry judge, one a competent poultry artist, and one a man qualified to edit the Standard. Given the proper power and sufficient means to produce a good book, three such men should be able to do better work on the Standard than five could. Why not revise the Standard once in ten years instead of eight?

* * *

State or Provincial organizations pay no fee for membership in the A. P. A. but the representative of such organizations on the Executive Board must



Crusader III, a Boston Winner

REGAL
Summer Sale

In order to make room for my large flock of rapidly growing chicks, I am offering for sale 425 selected breeders at remarkably low prices. Send for free sale list giving description and price, also 20-page catalog.

Eggs from prize matings, $2.50 per 15, $4.50 per 30, $6 per 45, $12 per 100.

REGAL
Cockerels and Pullets

This season I have over 1,000 early chicks, the best I ever owned. If you want to make a winning in your State Fair, let me quote you prices.

John S. Martin, Box 51, Port Dover, Can.

SAVE 25% this month

Peerless Poultry Protector

The Snow White Disinfectant Coating

Take Advantage of These Special Prices

25-lb. box, $2.25 100-lb. keg, $7.50 200-lb. bbl., $11.25

One pound will cover 30 square feet—two coats.

WEATHERPROOF — FIREPROOF — SANITARY

Peerless Poultry Promoter, Port Richmond, N.Y.

be a life member of the A. P. A. Considering the advantages of being represented on the Board the State or Provincial organization should gladly provide for the expenses of its representative.

* * *

Following is the section relating to choice of elective members of the Executive Board:

"Article IV, Section 26. In 1915 no elective members of the Executive Board shall be chosen. In 1916 one member shall be elected for two years, and two for three years. In 1917 one member shall be elected for one year and two for three years. At each election the candidate or candidates receiving the largest vote shall have the longest term. Beginning in 1918, the six elective members of the Executive Board shall be elected two each year for terms of three years, in such a manner as to give one representative to each of the following geographical districts:

"District I, Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania.

"District II. Delaware, Maryland, District of Columbia, Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Arkansas.

"District III. Ohio, Michigan, Indiana, Illinois, Wisconsin.

"District IV. Minnesota, North Dakota, South Dakota, Nebraska, Iowa, Missouri, Kansas, Oklahoma.

"District V. Montana, Wyoming, Colorado, New Mexico, Arizona, Utah, Idaho, Washington, Oregon, Nevada, California.

"District VI. Canada and Newfoundland.

"These geographical divisions shall be recognized in the election of members of the Executive Board beginning with the first election held after this Constitution becomes operative."

If the new constitution and laws should be adopted, it is apparent that such committeemen and other officers as are to be paid railroad fares and $5 per day for other expenses, while on service, will have to earn every cent of their expense money if they faithfully do their duty by the association. There does not seem to be much chance for "junketing" at the association's expense unless provided for by the association in special resolutions and appropriations therefor. If the constitution and laws mean what they appear to say there should be less opportunity for talk hereafter about members seeking office chiefly for the purpose of having their expenses paid to association meeting points. The official who conscientiously does his duty by the association isn't going to be provided with any sinecure and he will be apt to think twice before seeking an office that may interfere with and take much valuable time away from his personal affairs.

* * *

The big annual field meeting and poultry convention of the Massachusetts Agricultural College, in co-operation with the Massachusetts State Poultry Association and Mass. State Branch of American Poultry Association, will be held at the college, Amherst, Mass. July 22, 23 and 24. Last summer the field meeting was a record breaker for attendance and interest and was reported to be the largest gathering of poultrymen and women held in this country. Every effort is being made to make the 1914 meeting this month bigger, better and busier than that of last year. Prof. John C. Graham, head of the college poultry department, has prepared a fine and interesting program for the meet that should bring out a big attendance. There are great possibilities in a meet of this kind where there is abundant opportunity for the interchange of ideas and to benefit by the observations and experience of earnest poultry workers. Every poultryman or woman is appointed a special committee of one to attend the convention and to invite other persons interested in poultry to attend. Summary of the program follows:

WEDNESDAY, JULY 22.

1:30 P. M.—Address, "Diseases of Young Chicks," Dr. George E. Gage, Department of Veterinary Science, M. A. C.

2.30 P. M.—Address, (a) "The Preservation and Use of Poultry Manure;" (b) "Crops a Poultryman Can Grow Profitably," Prof. S. B. Haskell, Department of Agronomy, M. A. C.

3:00 P. M.—Address, "Advantages in Raising Fruit in Connection With Poultry,"



Keeler's White Wyandottes

The World's Greatest Strain

Bargain prices on stock and eggs during June, July and August. 2,000 chicks growing on free alfalfa range. Send for 64-page art catalogue. Special sales list free (5 Red Stamps appreciated).

CHAS. V. KEELER

R. F. D. No. 11 WINAMAC, IND.

BEAU BRUMMEL II



Son of Beau Brummel, Prize Pen Cockerel, Chicago, 1913

50% July Discount

On Hatching Eggs and Breeding Stock

S.C.White Leghorns

The "Frost White" Strain

Sweepstakes Champions, Indianapolis, Feb. 7, 1914

25 Leghorns entered; 24 ribbon winners.

Write today for illustrated mating list "A."

Silver Campines

The "Green Sheen" Strain

Sweepstakes Champions, Coliseum, Chicago, 1913

29 Campines entered; 25 ribbon winners.

Write today for illustrated mating list "B."

SILVER KING I



First prize cock, Coliseum, Chicago, 1912. First prize old pen, Coliseum, Chicago, 1913. Sire of 10 prize winning cockerels and pullets, Coliseum, Chicago, 1913.

PRINCESS FROST WHITE



First Prize Pullet, Indianapolis, 1914. Special prize for best female in her class. Special prize for best pullet in her class. Special prize for best shaped female in her class. Special prize best colored female in her class. Special prize for best headed female in her class.

We make a Specialty of Exhibition Stock for Fairs and Shows. Tell us your needs.

THE WILLOWS POULTRY FARM

Frank E. Hering **South Bend, Ind.**

CLARIBEL



First Prize Pullet, Coliseum Show, Chicago, 1913

Prof. F. C. Sears, Department of Pomology, M. A. C.

3:30 P. M—Visit to the poultry plant.

7:30 P. M.—Discussion, "The Agricultural College and the Poultry Industry." From the standpoint of the college, Profs. Hurd, Foord, Brooks, Morton, Ferguson and Graham. From the standpoint of the poultryman, all poultrymen present, leader, Dr. N. W. Sanborn, Holden, Mass.

8:30 P. M.—A free-for-all discussion. (a) "What Is a Utility Bird?" (b) "Has the Large Intensive Poultry Farm Come to Stay?" (c) "Can Utility Poultry Be Standardized to the Same Extent as Standard Bred Poultry?"

THURSDAY, JULY 23.

9:00 A. M.—Address, "Some Results of Our Experimental Work That Are of Practical Value to the Poultryman," Dr. H. D. Goodale, Biologist, Department of Poultry Husbandry, M. A. C.

10:00 A. M.—Address, "White Diarrhoea in Young Chicks" (some recent experimental data), Prof. W. F. Kirkpatrick, Connecticut State Agricultural College, Storrs, Conn.

10:30 A. M.—Adjourned session of Massachusetts State Poultry Association, President George F. Eastman in the chair.

Address, "A Strong State Poultry Association and What It Can Accomplish," Geo. V. Smith, Secretary Connecticut State Poultry Association.

11:15 A. M.—Address, "The Wise Use of State Money in the Development of the Poultry Industry," Hon. Wilfrid Wheeler, Secretary Massachusetts State Board of Agriculture.

1:30 P. M.—Address of Welcome, President Kenyon L. Butterfield. Response, W. B. Atherton, Secretary Boston Poultry Show Association. Address, "The State as a Factor in the Development of Such Agricultural Industries as Poultry Culture," Governor David I. Walsh. Address, "A Poultry Farm in Massachusetts—The Farm—The Project—The Buildings—The Profits," illustrated with charts, drawings, etc., Prof. J. C. Graham, Department of Poultry Husbandry, M. A. C. Address, "Opportunities in Poultry Keeping for the Farmer," Harry M. Lamon, Senior Poultry Husbandman, U. S. Department of Agriculture, Washington, D. C. The social hour, a general handshake.

7:30 P. M.—Stereopticon lecture, "Poultry Feeding," Prof. J. C. Graham.

8:00 P. M.—Session of the Massachusetts State Branch of the American Poultry Association, President Maurice F. Delano in the chair. Opening remarks, "The Breeding of Standard Bred Birds as a Means of Developing the Poultry Industry in Massachusetts," President Maurice F. Delano, proprietor of Owen Farms. Address, "The Breeding of Pure Bred Poultry Looked at From the Standpoint of the Modern Science of Genetics," Dr. Raymond Pearl, Department of Biology, Maine Agricultural Experiment Station, Orono, Me.

FRIDAY, JULY 24.

8:30 A. M.—Address, "Poultry House Construction," Prof. H. R. Lewis, New Jersey Agricultural College, New Brunswick, N. J.

9:30 A. M.—Address, "How to Select for Breeding Purposes the Ten Best Hens or Pullets From a Flock of 100," D. J. Lambert, Rhode Island Agricultural College, Kingston, R. I.

10:00 A. M.—The Roast Chicken—A demonstration, Prof. Laura Comstock, Department of Economics, Extension Service.

10:15 A. M.—Demonstrations at poultry plant. 1. Caponizing, H. D. Smith, Rockland, Mass. 2. Killing, picking, dressing, etc., Mr. Kelley, foreman of college poultry yards. 3. Making post-mortem examinations of diseased specimens, etc., Dr. H. D. Goodale.

* * *

June prices on grain in the East have been high and the quality of the grain poor. Weather for the greater part of spring and early summer cold, windy and damp or wet, with now and then an exceedingly abrupt change to one or two very hot days followed by another quick change to a cold spell. On June 6th we had a white frost in the morning followed by chilling winds and fog. While the middle states were reporting extreme heat, New England was shivering and the weather man reported Boston as the coldest city on the map. On June 11th everybody was sweltering under a sudden hot wave and the chickens sought shady retreats and stayed in them. It has not been a good season for chickens in the East. Unfavorable climatic conditions, poor quality and high priced feedstuffs are not conducive to big flocks of fine chickens. It looks like a short crop of early chicks. We have seen some fine flocks and some very poor ones. Our own chicks have done well with the exception of one incubator lot that came out at the beginning of a three weeks cold and wet spell. The majority of them came through in fair shape but they do not show the quality and growth that is in the flocks that had more favorable weather conditions at the start.

* * *

Don't neglect to provide abundant shade, plenty of green range and a constant supply of cool, fresh drinking



Jacobus Campine Eggs Now Half Price

M. R. JACOBUS Original Introducer Box 3-J, RIDGEFIELD, N. J.

Granock Farms S. C. White Leghorns

WINNERS AT GRAND CENTRAL PALACE, BOSTON, BUFFALO & PHILADELPHIA

8-WEEK OLD CHICKS
JULY 1st to SEPT. 1st
COCKERELS.....40c each
PULLETS.....75c each
Guaranteed True Selection

BREEDERS AT REDUCED PRICES
Write for free Catalogue

GRANOCK FARMS - Stewart Haddock - POUGHKEEPSIE, N. Y.

RED SUSSEX FARMS'

RED SUSSEX SPECKLED

CHAMPION STRAIN

Winners at Crystal Palace and Dairy Shows, leading all other strains

Our Sussex can win for you at Madison Square Garden, or any show, any where, any time. Now is the time to get a line on your show birds. Our offering in

Red Sussex

Young stock sired by imported males—America's best—"Red Prince," "Red Champion," "Daisy King," "Palace Boy," etc. Also acclimated yearlings.

Speckled Sussex

Sired by "Palace Rainbow" and "Palace Champion," the greatest males ever imported; also high class imported exhibition stock.

The demand for Red and Speckled Sussex will exceed the supply. Reserve your show birds and breeders now. Write for reduced prices on Red Sussex eggs. Satisfaction guaranteed.

RED SUSSEX FARMS - - MARYSVILLE, MICH.

MYRON W. MILLS, Prop. H. H. COBURN, Mgr.



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

Owen Farms Birds

Have demonstrated their unequalled exhibition quality by winning the highest honors in their own and customers' hands at every show from the Atlantic to the Pacific.

They have demonstrated their utility quality in the hands of thousands of customers all over the United States and Canada.

Owen Farms treatment has made friends of its customers and a great number of the new customers that come to **Owen Farms** for their stock and eggs for hatching are sent by these friends.

Owen Farms Youngsters

This year are wonderfully uniform in quality. Among them are **winners** for any show they may enter. Also strong, husky breeding birds that will produce winning show birds, and birds of profitable utility quality.

Hundreds of these youngsters were hatched in January and February and will be ready for the **early fairs in August and September.** There is a great scarcity of early chicks throughout the country this year and the demand is going to far exceed the supply for **finished youngsters** for the **early fall fairs.**

This is why I am telling you in my July ad this year that you can come to me and get the **finished youngsters** to fill out your string.

I will have a few **early moulted cocks** and **hens** in all my varieties to **win** for you.

Whatever your **weak point** is, write and tell me just what you need and if you **come** to me **early** I will have the the birds to accomplish for you just what you desire.

Over 9000 old and young birds are on **Owen Farms** and among them are the exact birds you want for **showing** and **breeding** and for **utility purposes.**

Buff Orpingtons
White Orpingtons
White Plymouth Rocks
White Wyandottes and
S. C. Rhode Island Reds

All adult birds sold during July at **just half the price** they would have brought prior to the breeding season.

I want your order, and **remember** your **absolute ultimate satisfaction** means my **permanent success.**

OWEN FARMS

107 William St., Vineyard Haven, Mass.

MAURICE F. DELANO, Prop. **FRANK H. DAVEY, Supt.**

water during the hot weather. Don't feed too heavily on very hot days. Where food is kept before the birds in feeders and hoppers they are not apt to overfeed, but when hand fed the feeding can be overdone. Three meals a day are enough for hot weather chicks from the first feed to roosting age. Don't feed cut green bone to growing chickens. If good beef scraps cause looseness of bowels in hot weather, scald the scrap and mix with a good fresh ground, sound grain mash mixture. Supply fresh green range frequently or supply abundant succulent greens. A full feed once or twice a week of scalded fresh fish will help growth and condition wonderfully.

* * *

The Third International Poultry Exposition opens on the Million Dollar Pier at Atlantic City on July 4th. This summer poultry show promises to prove an even greater success than that of last season. The exposition continues until September 1st and will be viewed by many thousands of interested visitors. Exhibitors of the past two years tell us that the summer show helps to make sales and is well worth while. All exhibits are attractively displayed and the poultry pens are sufficiently large and comfortable to show off the birds to advantage. This show is conducted by the Poultry Item and will be in the personal charge of Editor Cornman. This year there will be no prizes or other awards. All entries will be for display only and not competitive.

* * *

From the Missouri State Poultry Experiment Station we have received an excellent and practical egg candling chart in colors. This chart shows clearly the appearance of a fresh egg before the candle and also when removed from the shell; a slightly stale egg showing evidence of incubation shown before the candle and out of the shell; a stale egg, showing settled, flattened yolk and thin white, before the candle and out of the shell; an egg with yolk beginning to adhere to the shell, a blood ring egg, a cracked egg invaded by mould, an addled or "white rot" egg and an egg with green white, all shown as seen before the candle and when removed from shell. This chart should prove very useful to all who have occasion to candle eggs.

* * *

The Canadian Department of Agriculture has issued an interesting bulletin by Victor Fortier on "How to Tell the Age of Hens and Pigeons." The author believes he has found a certain way to tell the age of fowls, chiefly by means of the appearance and length of the secondary feathers, but also by the general appearance of the bird, the skin, the legs and spurs. In order to have the feather test yield satisfactory results the molt must be over and all the feathers fully developed. The author calls attention to a short feather between the primaries and secondaries which he designates the "axial or intermediate" feather and which is independent from the primary and secondary feathers and may be easily demonstrated by spreading the wing open. In a fully feathered pullet between six and fourteen months old the first secondary near the axial feather is shorter and more rounded at the extremity than the others and the quill is more central ending in a short point slightly prominent. There is only one short secondary,

as described, until the next molt when a second shortened and rounded secondary appears beside the first; thus there should be two charcteristic short secondaries in the wing of a hen from 18 months to two years old. In a three year old hen are found three of these short secondaries, in a four-year-old four characteristic secondaries and so on up to the tenth year. The last marked or short feather is always the shortest and the furthest from the axial feather. We hope some of our readers will secure this bulletin and test out the author's theory. At the present time we have no hens older than eighteen months and these are not in sufficiently full plumage to make a satisfactory test.

* * *

In these "eqaul suffrage" days when every body seems bent on "swatting" the "rooster," it might not be amiss to say a few kindly words for the much abused male bird. Even our National Department of Agriculture promoted a "rooster day" for the express purpose of "swatting" the rooster. Does the lusty crower deserve it? Experiment station evidence has not shown that fertile eggs deteriorate more rapidly than non-fertile eggs when properly gathered and kept. Eggs spoil because the poultry keeper is careless about gathering them and leaves eggs in the nest to be partly incubated, or he keeps them in a warm room in the sun until they spoil, and then we "swat the rooster" because he did his duty and someone else failed to care for the eggs properly. Why make the rooster the scape-goat? Why not "swat" the careless poultry keeper, the grocer man, the shipper and the egg dealer and all others who abuse good eggs? It is unwise and unnecessarily expensive to carry more male birds and particularly surplus males than are needed on the poultry plant. It is often a good plan to allow hens that are to be kept over another winter a brief summer vacation from attentive males when the eggs are not wanted for hatching. But a few good males are very desirable to have about the plant. Some you will need for next season's matings, some will be wanted for sales purposes and some can be made very useful in summer matings. Summer eggs for hatchings are in demand by roaster growers. Summer and fall hatched chicks make profitable fall and winter chickens and spring roasters or capons. You can't have them if you get too busy "swatting" roosters. Better give the rooster a fair chance and "tie the can" to the lazy shiftless folks who are so careless in handling perishable foodstuffs.

REWARDS OF PRIZE CONTEST.

The prizes of the great American Poultry Journal $500 cash prize contest, which closed June 15th, 1914, were awarded as follows:

		Counts.	Prize.
Thos. D. Gannaway	Washington, D. C.	213	$200 Cash
Macon A. Green	Columbia, Tenn.	144	$150 Cash
A. N. Blair	Carters Creek, Tenn.	129	$100 Cash
Chas. Bauer	Hempstead, N. Y.	127	$ 50 Cash
S. O. Beasley	Franklin, Tenn.	126	150 Chick Brooder
J. H. Jackson	Hudson, Mass.	120	100 Chick Brooder
Arthur S. Johnson	Bloomfeld, N. J.	94	50 Chick Brooder
Chas. J. Tamblyn	West Haven, Conn.	92	20 Quart Feeder
P. M. Turnbull	New Orleans, La.	67	10 Quart Feeder
B. L. Young	Abilene, Tex.	54	6 Quart Feeder

Licene Means

Guaranteed Lice Exterminator

APPLIED TWICE A YEAR

Used on Many Large Farms and Universities

Sold on its merits **Money refunded if not satisfactory**

Mr. E. B. Thompson, President of the American Poultry Association, says: "I have tried Licene with the best of results; it is a most excellent preventive of lice and a quick and rapid exterminator. Licene should have a great sale to poultrymen who must appreciate its value after being tried. (Signed) E. B. THOMPSON.

Price 50c per tube, enough for 200 birds, postpaid

CIRCULAR FREE AGENTS WANTED

THE LICENE CO., 1500 Pontiac Bldg., Chicago, Ill.



SUMMER PRICES

— ON —

HIGH CLASS EGGS FOR HATCHING



Have you ever tried to hatch eggs in July, August or September? If you have not, then take our advice and try it and you will find that the very finest kind of chicks can be hatched and raised during these months. There is no better breeding stock in the country than ours, it doesn't matter where you go. Our prices as listed below are within reach of everyone. We sell more thoroughbred chickens of all kinds than any two of the largest advertisers in this country. Over a quarter of a century in mating, breeding and selling thoroughbred fowls has given us the knowledge that enables us to produce superior specimens. Send us your order as soon as possible as there are many who will take advantage of the remarkable low prices for high grade eggs as listed below. Remember the eggs which we will send you are from the same breeding pens from which we sold eggs during the Spring at double the price.

NAME OF VARIETY	Per 13	Per 26
Light Brahmas	$1.25	$2.25
Dark Brahmas	1.50	2.75
Partridge Cochins	1.25	2.25
Buff Cochins	1.75	3.50
S. C. R. I. Reds	1.25	2.50
R. C. R. I. Reds	1.40	2.75
Black Langshans	1.00	2.00
Buff Langshans	2.00	4.00
Buff Orpingtons	1.25	2.50
White Orpingtons	1.75	3 50
Barred P. Rocks	1.00	2.00
Buff P. Rocks	1.00	2.00
White P. Rocks	1.00	2.00
Pea C. W. P. Rocks	1.25	2.50
Black Javas	1.25	2.50
Cornish I. Games	1.40	2.75
Black Sumatra Games	1.50	3.00
Black B. Red Games	1.25	2.50
Brown Red Games	1.50	2.50

NAME OF VARIETY	Per 13	Per 26
Red Pyle Games	2.00	3.50
Pit Games	2.50	5.00
Silver Laced Wyandottes	1.00	2.00
Golden Laced Wyandottes	1.25	2.50
Black Wyandottes	1.50	2.75
White Wyandottes	1.00	2.00
Buff Wyandottes	1.25	2.50
Partridge Wyandottes	1.25	2.50
Columbian Wyandottes	1.25	2.50
Red Caps	1.40	2.75
Blue Andalusians	1.40	2.75
White E. Black Spanish	1.40	2.75
Houdans	1.25	2.50
Black Minorcas	1.00	2.00
R. C. Black Minorcas	1.25	2.50
White Minorcas	1.25	2.50
S. C. B. Leghorns	1.00	2.00
S. C. W. Leghorns	1.00	2.00
R. C. B. Leghorns	1.00	2.00

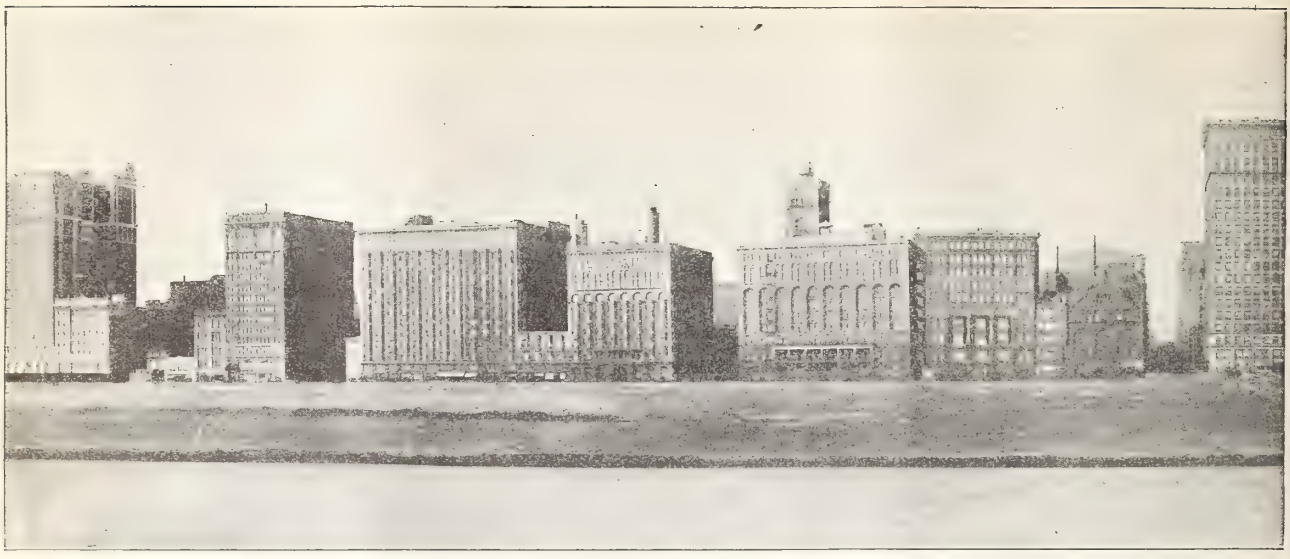
NAME OF VARIETY	Per 13	Per 26
R. C. W. Leghorns	1.00	2.00
Buff Leghorns	1.00	2.00
Silver S. Hamburgs	1.25	2.50
White Crested B. Polish	1.50	3.00
Buff Cochin Bantams	1.50	2.75
Golden Seabright Bantams	1.25	2.50
Mottled Anconas	1.25	2.50

Carnduff, Sask, Canada, Sept. 6th.
Mr. C. C. Shoemaker, Freeport, Ill.
Dear Sir: The four settings of eggs I received from you turned out just fine. I have 16 fine chicks out of 26 S. L. Wyandottes; 10 chicks out of 11 White Wyandotte eggs; 12 chicks out of 12 12 B. P. Rock eggs. This is pretty good, I think, after considering the hundreds of miles the eggs had to travel before reaching us.
Yours very truly, Mrs. J. H. STANDLEY.

ALSO MANUFACTURERS OF THE CELEBRATED GLOBE INCUBATORS AND BROODERS. SEND FOR OUR MAMMOTH 1914 POULTRY BOOK, ALMANAC AND CATALOGUE, PRICE POSTPAID, 15c.

Remember this is not only a catalogue and almanac but a poultry book of 224 pages and splendid colored cover and is an ornament and a valuable addition to any poultryman's library. It contains complete information and prices in regard to incubators, brooders, poultry and eggs, and is splendidly illustrated, containing many colored plates of the leading varieties in their natural colors. **SEND IN YOUR EGG ORDER DIRECT FROM THIS ADVERTISEMENT and if you have not got our catalogue ask for it. We will send it free with egg order.**

C. C. SHOEMAKER Box 605 FREEPORT, ILLINOIS



Chicago Making Plans for a Big Crowd

The Thirty-ninth Annual Convention of the American Poultry Association will be the Biggest, and Most Satisfactory Ever Held

IF you miss the 39th Annual Convention of the American Poultry Association this year you will certainly regret it. It makes no difference if you are a member of the association or not, the Chicago Poultry Society and Chicago Association of Commerce invite you to come to Chicago and see what they have in store for you. Attend the meeting this year and we are sure you will become a member of the greatest live stock association in the United States, the "American Poultry Association." Bring the ladies, the babies, your sons and daughters, your uncles, aunts and grandparents. There's plenty of room in Chicago and we will take care of everyone in great manner. Chicago is not a "Flag Station," no trains run through the city, they all stop there, for Chicago is the end of the line, the center of business, enjoyment and recreation. There are thirty-eight railroads terminating in Chicago, representing one hundred thousand miles of railroad lines, forty per cent of the railway mileage of the United States. You can get excellent accommodation all the way from $1.00 per day up for a pleasant room in a first-class, clean, modern hotel to $50 per day for the "Bridal Chamber" in leading hotels. There are more first-class restaurants in the central district to the square mile than you will find in any other city, and you can get well cooked meals at all hours and at all prices. You will find the finest and most pretentious amusement parks in the world, you will find theatres that are considered the best and most beautiful in the United States. You will find better bathing beaches and see more people in bathing than you did at Atlantic City. In fact, Chicago offers you everything that all other cities combined have done, with the exception of "Mountain Views." The climate cannot be surpassed during August, for the cool lake breezes temper the stifling heat waves. Perhaps you did not know that more people from the South spend their vacation in Chicago than at any other place or resort. Think it over, take a vacation and attend the 39th Annual Convention.



THE hotels of Chicago deserve more than a passing mention because not only of their number, elegance and service, but because they offer so much that is needed and hardly recognized in the general thought of what is required when some great convention is planned. There is in the city of Chicago every possible variety of hotel, with the best equipment, in desirable locations, and adapted to every possible visitor. In the downtown hotels are to be found rooms en suite arranged so that home is at once suggested, and in some of the hotels there are women to care for the needs of women guests. In these hotels are various banquet rooms, large and small, suited for the small as well as the great convention, open air dining rooms, beautiful ballrooms, where the largest gatherings are elegantly cared for, and private rooms, where those who wish can have a dinner party and be quite as much apart as if in their own homes.

Chicago has over thirty miles of water front on Lake Michigan, and with its parks and its suburbs, provides conditions and facilities which make Chicago a city of midsummer charm. Boating, bathing, golf, baseball, all sports easily accessible.

Geographically, Chicago is less than three hours' ride from the center of population of the United States. Its situation on the southern extremity of Lake Michigan has made it the natural transportation center of the country—as a matter of fact the greatest transportation center in the world—and its industrial enterprises thus have the benefit of exceptional transportation facilities both by lake and rail.

Chicago is deservedly a favorite convention city because it is easy of access, delightful for a visit, and if the testimony of convention records can be accepted as reliable, more delightful every time it is revisited. Those who come to summer conventions find the Chicago climate attractive, and there are always facilities for studying those things which most interest aside from convention business, for with its great libraries, art museums, and educational centers Chicago maintains its prestige as a metropolitan city by being fully equipped for every variety of research.

Chicago invites you, and will take care of you in a manner that will be long remembered. The city will be yours, you are our guest and there will be no charge for the many pleasures outlined for this great event. All roads lead to Chicago, the "City Beautiful." Come one, come all. Don't forget the dates, August 8th to 15th, inclusive.

Reservations may be made at any hotel through E. J. W. Dietz, Secretary of the Chicago Poultry Society, 123 W. Madison St., Chicago, Ill. State desires and your requirements will be attended to.

International Egg Laying Contest.—Report for the Month Ending April 30, 1914.

THE White Wyandottes, entered by Tom Barron, England, are still leading in the International Egg Laying Contest at Storrs, Conn. It is to be remembered, however, that the contest is now but half over; not only that but in the fifth month the Leghorns gained on this leading pen so that as yet it appears to be anybody's race. On February 1st, this pen of Wyandottes was leading the next nearest pen by 86 eggs, on March 1st by 120 eggs, on April 1st by 145 eggs, but on May 1st the tide seemed to have turned and this lead has been reduced to 131 eggs. Perhaps this is nothing more than would be expected inasmuch as it is the season when the heavier breeds are broody. On the other hand it is to be remembered that individuals among the Reds that enjoy the reputation of being the broodiest of breeds sometimes appear to be immune to the maternal instinct. In the contest last year two Reds that laid 245 and 248 eggs respectively were, taken together, broody but once during the entire year.

Inasmuch as this pen of English Wyandottes has maintained its place as the leading pen in the contest many breeders have been interested in the type or kind of Wyandottes these birds really are. A prominent New England poultry judge, W. H. Card of Manchester, Conn., visited the plant and was requested to judge these Wyandottes. He gave it as his opinion that they were by no means American show type but conformed more nearly to the Rhode Island Whites. He said furthermore that the little white in the ear lobes would seem to indicate in his mind a possible admixture of Mediterranean blood. On the other hand no one probably would wish to say that these birds are cross breds, mongrels, or anything of that sort. They are Wyandottes with a longer back than the American show type. They are drawn out a little rather than bunched in a ball. In a way it makes little or no difference whether they conform to the recognized show type or not because they are not being exhibited. They have been put in a laying contest where they are expected to deliver the goods and they have delivered them. This pen not only holds the pen record to date but they have also the best individual record, one of these birds having laid up to May 1st 137 eggs. It is interesting to note in this connection that Baroness IV that yielded 282 eggs last year, thereby winning the championship of American egg laying contests produced only 132 of those eggs in the first six months of the year, thus the Wyandotte has a lead of five eggs over that record. It is only a question whether or not she can keep the pace.

The ten best individual scores for the first six months of the competition are as follows:

Pen.	Breed.	Eggs.
14.	English White Wyandotte	137
4.	N. Y. Barred Plymouth Rock	118
35.	N. H. S. C. R. I. Red	117
42.	Conn. White Leghorn	116
42.	Conn. White Leghorn	115
40.	Conn. White Leghorn	115
40.	Conn. White Leghorn	114
16.	Conn. White Wyandotte	112
40.	Conn. White Leghorn	111
72.	Mich. Buff Leghorn	111

Thirty-six individuals including Barred, White, and Buff Plymouth Rocks, White Wyandottes, Rhode Island Reds, White and Buff Leghorns, and White Orpingtons laid from 25 to 27 eggs each during the month of April.

At the close of the first six months last year the five leading pens comprising 25 hens had an average production of 99.7 eggs and finished the year with an average production of a little more than 213 eggs each. The five leading pens in the present competition comprising 50 individuals had made an average record for the first six months of 95.7 eggs each. It will be noted that while these figures are based on the five leading pens in each case they are not strictly comparable because of the fact that 25 individuals are being compared in one case with 50 individuals in the other.

The mortality for the first six months has amounted to 30 hens out of the competing pens from total of 820 birds or a little over 3½ per cent. It is believed that the period of highest mortality has undoubtedly passed so that the total for year is not expected to amount to more than 5 or 6 percent. Many commercial poultrymen figure on an expected mortality of 10 per cent.

The total yield for all pens for the month amounted to 15,509 eggs or an average of 19⅓ eggs each thus the yield for April has exceeded the production of any previous month since the contest opened. This has not been true in the two preceding contests. In other words March has heretofore been the month of highest production whereas already stated in the current competition April although a shorter month has been the month of highest yield, due undoubtedly to the severe winter during which a great many New England poultrymen did not succeed in getting as many eggs as they had hoped and planned for.

The ten leading pens at the close of the first six months are as follows:

Tom Barron, Catforth, near Preston, England	White Wyandottes	1070
Storrs Experiment Station	White Leghorns	957
Francis F. Lincoln, Mt. Carmel, Conn	White Leghorns	939
Neale Bros., Apponaug, R. I	White Wyandottes	881
Merrythought Farm, Columbia, Conn	White Wyandottes	910
Dr. J. A. Fritchey, Harrisburg, Pa	S. C. Rhode Island Reds	824
Cecil Guernsey, East Cobleskill, N. Y	White Leghorns	782
Jules F. Francais, West Hampton, L. I., N. Y.	Barred Plymouth Rocks	759
A. B. Brundage, Danbury, Conn	S. C. Rhode Island Reds	756
Tom Barron, Catforth, near Preston, England	White Leghorns	754
Geo. P. Dearborn, Lake Como, Fla	S. C. Rhode Island Reds	741

William F. Kirkpatrick.

SUMMER HALF PRICE SALE
EGGS BREEDERS CHICKS
HARNLY'S QUALITY WH. ORPINGTONS
Won highest honors in America. Free catalogue.
MRS. JOHN H. HARNLY, 2301 N. Elisha Ave., Zion City, Ill.

THE IDEAL POULTRY FEEDER
Write for prices and terms.
THE MILLER ANCHOR CO., Box 293, Norwalk, O.

FERRIS Leghorns

30% Less Than Actual Value

We raised 10,000 Improved White Leghorns this spring and you can get your pick of thousands of February and March hatched cockerels and pullets at 30 per cent less than regular prices. These birds show splendid development, and they have the low, well spread tails, good heads, with white earlobes and smooth, evenly serrated combs; typical shape in all sections, with long backs and full breasts, and snow white plumage that you must have in order to win. We have been breeding winners for the largest shows for many years. Ferris Leghorns are trap-nested. We have been breeding them for egg production for more than 12 years. We ship on approval and insure all birds for 30 days. If they get out of condition we stand the loss. Utility cockerels from $2.00 up, pullets and hens from $1.75 up. We have a number of very choice breeding birds to spare that we have used in our best matings. Write us for further particulars; we will be glad to tell you just what we have. The summer prices make it worth your while to buy now even if you do not need the stock until winter. Males that will then cost you $10.00 cost only $7.00 now; the $15.00 exhibition birds only $10.50.

We can ship eggs and chicks at once on receipt of order

There is still time to hatch chicks if you can give them good care. Chicks, $5.00 for 25; $16.00 per 100; $144 per 1,000 in June—$4.00 for 25; $12.00 per 100; $108 per 1,000 after July 1st. Eggs, $1.35 a setting; $6.00 per 100; $57 per 1,000 in June—$1.20 a setting; $5.00 per 100; $47.50 per 1,000 in July. Safe arrival of chicks and fertility of eggs guaranteed.

Our Catalog Is Free

It contains a lot of valuable information and will tell you all about White Leghorns and why they are best. Just write a postal today and let us send it and quote prices. Breed Ferris Leghorns and you will have eggs all next winter and can win wherever you want to exhibit. Take advantage of this summer sale and it will cost you very little to get a splendid start.

GEORGE B. FERRIS,
THE FERRIS LEGHORN FARM
905 Union Ave. Grand Rapids, Mich.

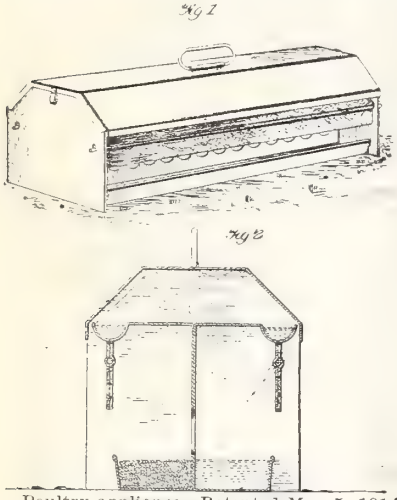
Read about the great big American Poultry Year Book on page 991

Crowther's "Aristocrat" S. C. and R. C. Red Eggs at Half Price
IRA M. CROWTHER - - Box A - - WILLOUGHBY, OHIO

Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.

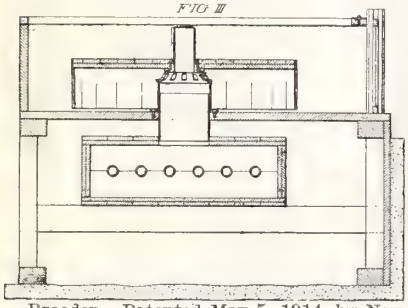
A NOVEL poultry appliance, the invention of Clarence O. Sheldon, Calallen, Texas, has feeding and watering troughs in its base set well in toward the center, overhead troughs containing oil or other vermin destroying fluid. Fabric members or curtains depend from the upper oil troughs, the shape of these curtains being retained by means of light reinforcing brace rods. The rods may be removed when it is not desired to use the fluid applying members to effect application of the



Poultry appliance. Patented May 5, 1914, by Clarence O. Sheldon, Calallen, Texas. No. 1,095,471.

fluid from above to the poultry when they approach to eat or drink from the lower troughs. A half interest in the invention has been acquired by Walter H. Waterhouse, of Texas. Patent 1,095,471.

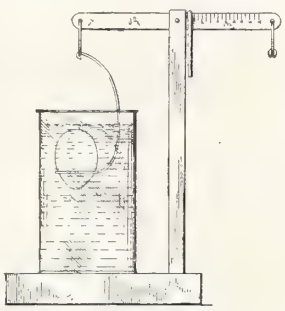
A new brooder invented by Charles E. Bonine, Philadelphia, has been patented to the Newtown Giant Incubator Corporation, of Harrisonburg, Va. It



Brooder. Patented May 5, 1914, by Newtown Giant Incubator Corporation, Harrisonburg, Va. No. 1,095,263.

is the intention of the inventor that a single source of heat for the air be supplied to an indeterminate series of brooders. Each brooder has a cylindrical warm air dome provided with a chimney that furnishes a central support for the hover. A series of steps afford means for adjusting the height of the hover upon this support As the hover is successively advanced upon its support an increasing escape passage is provided, regulating the escape of warm air through the top of the hover, and introducing fresh air beneath the hover curtain. Patent 1,095,263.

James W. Yeager, Higginsville, Mo., is the inventor of an egg tester that tests eggs by their specific gravity, the eggs being supported in a looped wire



Egg tester. Patented May 26, 1914, by James W. Yeager, Higginsville, Mo. No. 1,097,832.

extending into a receptacle of water where the egg is supported, and having the egg-supporting wire loop attached to one arm of a scale bar. Patent 1,097,832.

Samuel W. Klass, Waukesha, Wis., has invented a new egg-testing device, the patent rights in which have been assigned to Arthur W. F. Klass, of Waukesha. The invention is intended for use in testing incubator eggs. An egg tray may be taken from the incubator with the eggs, placed in the tester without disturbing the eggs, and all the eggs in the tray speedily tested and the tray returned to the incubator after removing any eggs found defective. The device is an expansible cabinet having interior ledges adapted to receive and support incubator egg trays of different size, and is provided with electric bulbs or other means for illuminating the eggs in the eggs trays from the under side. Patent 1,097,446.

Ernest L. Tupper, of Nashua, N. H., has patented an incubator which involves the application of novel ideas.

Ideal Colony Brooder

Coal Burning — 100 per cent efficient. Superior to oil burners.

Self Regulating — Economical and safe. Large and small farms are using the Ideal with success. The only system giving perfect satisfaction. Write for booklet describing the



Ideal Coal Stove Brooder

LIBERTY STOVE CO.
Dept. J. Philadelphia, Pa.

Bargain Time



During July many of our good breeders must be sold to make room for large numbers of fine young stock. Rare bargains will be offered.

Mature Breeders 10 Per Cent Off

—single birds, trios and pens of great layers that would not be sold at all except that even the large Sunswick Farm cannot hold them.

Sunswick Farm S. C. Buff Orpingtons

have won the majority of first prizes at the leading shows since 1907. 10 years of intensive breeding have resulted in great utility qualities, early maturity and stamina. **Our January hatched pullets have been laying or two months.** Write at once for catalog and sale offerings.

SUNSWICK POULTRY FARM
RUFUS DELAFIELD, Owner
Box J South Plainfield, N. J.

THE KELLS FARMS

Bred-to-Lay

Send for our special Summer prices on

S. C. White Leghorns and Anconas

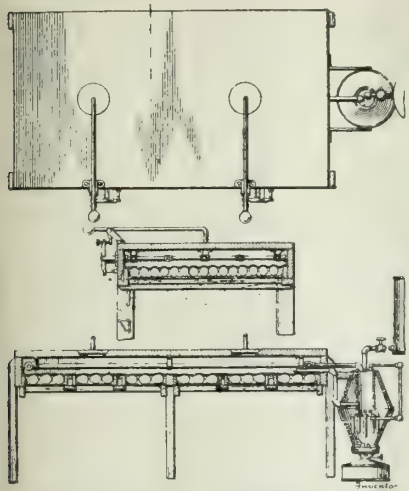
Breeding and Young Stock

S. C. White Leghorn, March Cockerels 1000 at $1.00 each.

Free Range Raised

THE KELLS FARMS **NEW PALTZ, N. Y.**

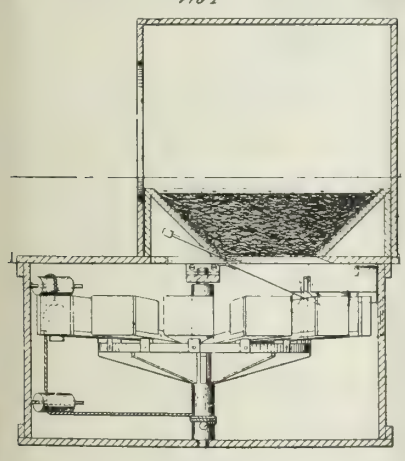
He provides a nonporous diaphragm of rubber or some such material to be placed in contact with the upper surface of the eggs, has his heating pipes disposed just above this diaphragm, the idea being to follow the natural process of the hen more closely.



Contact incubator. Patented May 5, 1914, by Ernest L. Tupper, Nashua, N. H. No. 1,095,248.

The eggs are provided with a support of burlap or some such porous material so as to permit fresh air to come in contact with the under surface of the eggs. The thermostat which controls the heat circulating system in this incubator is positioned in the same relation to the diaphragm covering the eggs as the eggs themselves. Patent 1,095,248.

Other inventions patented in May include an intricate hen's nest devised by Peder L. Haakenson, Barton, N. D., in which the eggs as laid pass to separate compartments on a rotary platform beneath (patent 1,096,300); an automatic trap-nest for keeping tally on hens that lay and eggs laid, and having a divided egg-receiving tray, invented by Frank N. Brown, St. Johnsville, N. Y. (Patent 1,096,017); a coop of



Hen's nest. Patented May 12, 1914, by Peder L. Haakenson, Barton, N. D. No. 1,096,300.

convenient size and design for protecting a hen and her brood, invented by Charles Cabel, Hawkeye, Ia. (patent 1,095,628); and a larger coop invented by Charles E. and Bert F. Grant of Marion, Ind., having removable internal partitions by which the number of compartments in the coop may be easily altered without tearing the coop apart (patent 1,096,904).

An egg tester, invented by Perry A. Lown, Lima, Ohio, has a peculiar form of shelves in which the eggs are carried in independent trays, so that the trays can be brought successively over the light. The roller like egg shelves being operatively connected by an endless chain and sprocket wheels, the eggs may be easily turned while in their trays, as the turning of one roller shelf will so cause the others to turn. Patent 1,095,408.

A new feeding apparatus for poultry, invented by Axel Wahlstrom, Oakland, Cal., is arranged so that the weight of the fowls on a pivoted platform uncovers the feed trough. At other times the feed troughs are maintained closed so that rats, etc., can not obtain access to the food. Swinging cover plates over the troughs are raised by the weight-actuated platform in front of them, on which the poultry stands. Patent 1,098,069.

Robert Lee Caldwell, Trinity, Tex., has invented a coop which may be readily knocked down and folded after the poultry have been removed from it, thus taking up little space when not in use. The side and end walls fold inwardly. An interest in the patent has been acquired by H. I. French, of the same city. Patent 1,096,412.

David A. Jones, Wayne, Neb., has invented a pneumatic egg-crate. This shipping crate has a pneumatic cushion secured within the box and lid. The device has an ordinary valve and is inflated by a bicycle pump. Both the lid, cushion and the spaces between the egg cells are inflatable. Patent 1,097,804.

Now is the time to read page 991—its very interesting!!

RED W FARM — WADSWORTH & CASTOR

Princess Strain Rose and Single Comb R. I. Reds. Breeding birds and all stock at ½ price for 60 days. All eggs at a BARGAIN. Write us for particulars. Mention American Poultry Journal.

WADSWORTH & CASTOR Box W. WOLCOTT, N. Y.



THE SIMPLICITY KANT-KLOG POULTRY FEEDER

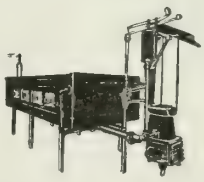
6-quart size, especially adapted for low coops $1.50

This puts an end to all your poultry troubles—no more staying at home on Sundays—go when you like, stay as long as you like. You can rest assured that your chickens will be fed correctly and regularly. It feeds anything from whole corn to millet seed, saves feed, time and labor; it is sparrow and rat proof, never fails to work; it can't clog. **Your Money Back If Not Satisfactory.** Write for catalog today.

Dealers Wanted

Simplex Supply House, Pontiac Bldg., Chicago, Ills.

Canadian Factory: Birchcliffe Poultry Supply House, Birch Cliff, Ontario, Canada



Capacities, 1200 to 20,100 Eggs
(Sectional Construction)

The cash results demanded by the practical poultryman are given by the Hall Mammoth Incubator.

Stronger, livelier chicks (and ducks) are invariably hatched by it. "Hall Hatches" grow into money quickest with the smallest losses, least trouble and expense.

The Hall gives many chicks you would not otherwise get. This higher average puts extra profits in your pocket. Because of the success of its users, its sales and re-orders exceed all others.

Big dividends are returned to its users. Shrewd business-poultrymen (and women) buy it on its record of results and on conviction of its superiority of principle and value. They invest in it because it pays for itself quicker and because its guarantee is all in their favor.

What size can you use? Do you want our helpful literature? Write us a letter giving details of your plans. Ask us to send our SERVICE SPECIALIST to help you get the right equipment and results—no charge—he may be in your section now or later.

THE HALL MAMMOTH INCUBATOR CO.

132 Southern Avenue Little Falls, N. Y.

S. C. W. Leghorns



YESTERLAID Strain. Bought by 19 Exp. Stations. Pullets lay at 4½ months. Breeding Stock. Eggs. Prices very reasonable. Our methods bring success. Write for details.
YESTERLAID EGG FARMS CO.
Dept. 5 Pacific, Mo.



Waste Proof Feeders

Made of Galvanized Iron. Swinging door closes locks automatically when not in use. Fowl jumps on step—fowl's weight forces step down—door swings in and away from fowls—permits 4 fowls to feed at one time. Absolutely rat rain and bird proof. Patented device prevents fowls hooking out and wasting feed. Capacity 24 qts—enough for 15 fowls for 2 weeks. Satisfaction guaranteed or money back. See your dealer—or write for particulars.
Page Poultry Supply Co. Lock Box 211 Rockford, Ill.

Monmouth Farms'
CLEARANCE SALE
Now On!

Both prize and utility stock of the Monmouth Strain **S. C. Buff and White Leghorns** is being sold at greatly reduced prices. Tremendous bargains in the best birds of the best egg-laying breed. Among the many offerings of this vigorous, early-maturing, prize-winning, dual-purpose strain are

Youngsters of Wonderful Quality for August and September Shows

Specimens of beauty and promise, sure to equal and often excel the exhibition and utility qualities of the parent stock. Write at once for our beautiful catalog and description of breeding pens and show records, together with the offerings that are left. Don't delay.

MONMOUTH FARMS
BOX 23 FRENEAU, MON. CO., N. J.

— The —
ENGLISH STRAIN

ACT NOW!
Our SUMMER SALE of BREEDING HENS IS NOW ON



White Leghorn "PENNA. PRINCESS" Record of 258 EGGS PER YEAR

Every bird we offer has been TRAP-NESTED and possesses the laying qualities which have made the ENGLISH STRAIN famous for high egg-laying records the world over.

Poultry experts state this strain to be the

MOST PROFITABLE POULTRY EVER BRED

Our entries in the present MISSOURI and NORTH AMERICAN egg-laying contests **prove** beyond argument or doubt that we have America's greatest layers. Don't fail to write us and get the **facts** before deciding what strain you will buy. Special summer prices now in effect. Catalog free.

THE PENNSYLVANIA POULTRY FARM
2022 Pearl Street Lancaster, Pa.

World's Greatest Layers

SOMETHING NEW—CO-OPERATIVE EGG DISTRIBUTION.

ALL are acquainted with the term, "Certified Milk" but few are acquainted with the term, "Certified Farms", meaning a guarantee of quality for any line of farm produce sold.

But ere long the Certified Farms Company will be widely known— the principle of selling from producer to consumer meeting every ideal of the ablest economists.

The object of this concern is to place in the hands of the consumer eggs not over 24 hours old from healthy hens in sanitary quarters, eliminating the middleman, but at the same time making purchasing convenient by establishing branch stores at various points in each city wherein the company will operate. The handling of general produce along the same lines is also contemplated. Here is the principle of operation. The Certified Farms Company, comprising a number of well-equipped, well-stocked and well-managed poultry farms, is to guarantee or certify to every customer, eggs in any quantity, regularly or irregularly and handled under the most sanitary conditions, not an egg being over 24 hours old and the prices being at all times reasonable.

There has long been a need for just such an organization. True it is, that many reputable poultrymen have individually established direct-to-consumer trade and are successful. But it takes co-operation to advertise successfully, to win the absolute confidence of a big buying public, to give the appearance of big capital necessary to sanitary handling, and to cope with the great variations of supply and demand.

You will undoubtedly be interested in knowing that some of the best poultrymen in the country are back of this organization. While this corporation includes a large number of farms and is bound to include many more in the near future, yet not one has been admitted or will be admitted, that does not measure up to the high standards absolutely necessary to the success of such an undertaking.

The Certified Farms Company is incorporated and capitalized at $25,000, fully paid. The President is the well known proprietor of Monmouth Farms, Mr. J. C. Punderford, Freneau, N. J. The Treasurer, Mr. C. J. Fisk, is also widely known as the owner of Wilburtha Poultry Farms, Trenton Junction, N. J.

Carefully planned advertising matter is now on the press and will be distributed post haste as soon as received. The publicity campaign—the most important problem at hand—has been carefully prepared and, we venture to say, successfully, for the officers are well acquainted with essentials of successful poultry product advertising through many years of experience.

The method of selling is this: High grade retail stores in various points of New York City (nd later, other cities) are to be used as the points of distribution. The literature directs the customer to the nearest branch. Each store will also do some local advertising. The eggs will be put up in the latest approved egg boxes—just as attractively decorated as candy boxes—sealed with the official wrapper of the company. The wrapper states, among other things, "Shipped the same day as laid."

The first distributing point is now established. It is the main office of the concern, located at 26 W. 59th St., New York City, next to Hotel Plaza.

New poultrymen please note this: You are cordially invited to make the above office your headquarters whenever you are in New York. Here's a chance to get acquainted with a movement that's bound to revolutionize some of the food distributing operations of the entire country. It means more money to the producer and better produce to the consumer. Just go around and get acquainted anyway, whether you're interested or not. You'll receive true poultryman's hospitality and the company's stenographers and other conveniences will be at your disposal.

Page 991 is very interesting

EAKIN'S WHITE WYANDOTTES
Winners at Hagerstown and the Great Mid-West Show, Chicago, 1913. Eggs for hatching half price. Send for mating list.
F. M. EAKIN Box A BUCYRUS, OHIO

SPECIAL SALE
On Eggs, Day-Old Chicks and Stock in following breeds: S. C. Buff, Black and White Orpingtons, Barred, Buff and White Rocks, S. C. W. and Brown Leghorns, S. C. and R. C. Reds, White Wyandottes and S. C. Black Minorcas. Sale list and catalog free. Address
GOSHEN POULTRY FARMS
Route 7 Goshen, Ind.

Genasco
THE TRINIDAD-LAKE-ASPHALT
Ready Roofing
applied with the Kant-Leak Kleet makes a lasting roof Booklet and sample free Barber Asphalt Paving Co., Phila, Pa.

山の内
Yama Farms

OUR summer sale offerings include many of our New York State Fair winners, and the males heading the following pens of our 1914 matings. If you have not already received a copy of this mating list accurately describing these males we will mail you one upon request.

MINORCAS
Pen 2, 7, 10

BARRED ROCKS
Pens 16, 17, 18, 18½, 19

In addition to these males, we have the finest, most uniform lot of males we have ever offered to the public, at summer prices. Every one sold on a money back guarantee. Write for a complete list of the birds we have to offer. Description, show record, and untouched photographs of many of them will be sent to those interested.

Yama Farms
Napanoch, New York



Laid Two Eggs in One Day.

Q.—What caused one of my White Leghorn pullets to lay two eggs in one day? The first egg was laid early in the morning. At feeding time in the evening I just got into the door of the hen house in time to see the same pullet lay another egg in the litter. The egg was normal in size, perfectly formed, but had a very soft shell. At first I thought I might have been mistaken, but I couldn't have been, as there are only nine hens in that pen and I got ten eggs. I noticed that the pullet became drowsy and inactive and didn't seem to relish her food after laying the second egg. W. F.

Newport, R. I.

A.—It is not uncommon for hens in full lay to occasionally lay two eggs the same day. In case of your pullet she had probably eaten something that resulted in abnormal activity in the egg organs. Sometimes laying soft-shelled eggs and more than one in a day is one of the first noticed symptoms of diseased ovaries. If the pullet continues inactive and dumpish would put her out on a green range alone and feed only sound hard grain once a day.

Off-Colored Feathers in Minorca Chicks.

Q.—(1) I find several half-grown S. C. Black Minorca chicks, well feathered out, have long white feathers in wings and some have feathers laced with white in breasts. What is the cause of this? Will these birds be black all right when fully matured? I have just discovered that my breeding cockerel has half an inch of white on the tip of one wing feather. Is that the cause?

A.—(1) Black Minorca chicks when half grown are very apt to show more or less white in plumage. We wouldn't worry about it. The best of them will probably be all right when fully matured. Feathers that are injured during growth are apt to show white. Very few adult birds of black varieties are solid black all the way through the plumage; you can generally find some white if you look for it. It isn't fair to attempt to judge the plumage of any chicken when half grown; there will be many changes in appearance before full maturity.

Q.—(2) Does the breeding of Minorcas for heavy weight, say, over standard weight, injure the egg-laying qualities?

A.—(2) It is generally believed that birds of medium weight in most varieties prove to be the best layers. Some go so far as to claim that the small birds are the best layers and that overweight and over-size is not favorable to good egg yield. We doubt this theory and have yet to see any convincing proof that size makes any great difference in fecundity as an individual characteristic. We have had a good many large birds (large for the variety) that were good layers, and we have had small and medium sized birds that were equally good but no better layers. A good many persons in talking about birds above standard weight consider weight only. That is not fair or just. If the extra weight is due to the specimen being overfat in proportion to the normal body size and frame, then we should not expect the best egg-laying qualities, but if the bird was large framed and large sized in proportion to the extra weight, and otherwise in good condition, we see no reason why the egg yield should not yield eggs just as well as a smaller specimen under equally favorable conditions. We have had oversize birds in a number of varieties that were among our best layers.

Q.—(3) Why do some little chicks hatch with much more white on breast and neck than others? Does sex make any difference in the color?

A.—(3) Little chicks in all varieties show more or less variation in color. It is not always an indication of sex, although many poultry keepers believe they can distinguish sex by the appearance and markings of the newly hatched chicks. Sometimes it works out the way they think it will and sometimes it doesn't. We have picked sex successfully in one brood and in another brood of the same variety been badly fooled in the sex of the chicks even after they were almost half grown.

Are You Interested in Getting Started on a Paying Basis

with **Pape's,** the most profitable egg-laying strain of Prize-Winning **SINGLE COMB BLACK MINORCAS** in America? Am offering a "carnival of bargains," also all of our experience. Am selling eggs that will hatch, hens now laying, yearling and 1914 hatched males that will improve any flock, and chicks any age at rock bottom prices. July hatched chicks, if given shade when they require it, will readily compare with the earlier hatched stock. **Write your requirements today.** Our guarantee on stock and eggs is very liberal.

CHARLES G. PAPE, Director American Black Minorca Club **Box B74, FORT WAYNE, IND.**

White Orpingtons

Superb Type and Superior Quality

January and February Hatched Youngsters for Sale

Never have I had young chicks prove more completely the claim made for them regarding TYPE and QUALITY than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in January, February and March. As it is possible to detect any minor faults in birds after they are eight weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced. These are ready for delivery now—large, vigorous, massive birds raised on acres of blue grass sod.

Older Stock at Bargain Prices

Due to the fact that I must make ready for this younger stock, it will be necessary to dispose of a number of hens and cocks on the breaking up of my breeding pens the first of June. These, of course, must go at attractive prices; and here is an opportunity to get some foundation stock, the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000 acre Elmendorf Farm. An extra fine lot of young Duroc-Jersey pigs for sale.

RUSSELL CAVE POULTRY FARM
ELMENDORF STOCK FARM

LOUIS LEE HAGGIN, Prop.
R.R. 3, Box 1025, LEXINGTON, KY

Riley's Barred Rocks

I offer my breeding birds at bargain prices. A fine lot of yearling cocks, both matings. I have the most promising young stock I have ever owned and it will pay you to write me about a winner for the coming season. Mention American Poultry Journal.

HENRY D. RILEY
Box B Strafford, Chester Co., Pa.

Yours For The Asking

Choke skepticism; send dime (postage) for either 50c or $1.00 bottle of "Oculum".

Unless it **knocks White Diarrhoea, Cholera, Roup, Blackhead, Sorehead, or Gapes,** we want **no pay.**

"Oculum" does it—that's all—Yes we **mean** it. Proof from any state free.

Successful Poultry Journal, Chicago, says "Nothing which has been given to poultrymen in recent years has met the reception accorded to "Oculum". It is surely a wonderful remedy and belongs to that class of articles which revolutionize things.

H. I. Company, Box B, Salem, Va.

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The Forest City Fair

Cleveland Ohio

Opens the show season
Aug. 20-27 Inclusive

Poultry Premiums $3,500. Covering all classes and slighting no breed. It is worth while to win at the Forest City Fair. The Premium List is ready.

1050 Leader-News Building
H. J. KLINE Gen. Manager
CLEVELAND, OHIO

Summer Sale of Trap-Nested Layers

The Peabody Farms have in their Breeding Yards hundreds of birds that have high records as layers during the first five months of this year. We have thousands of early hatched chicks bred from them that are coming along in fine shape. We are now offering to the public our first Summer Sale. This will be an exceptional opportunity to secure **White Leghorns, Orpingtons, Rocks and Wyandottes** that are layers and have records behind them.

We are booking orders for cockerels. We will deliver the birds at your convenience. We will ship you all the birds you desire on approval.

July is the month to select your breeding **Drakes.** We have hundreds of **White Pekin Youngsters.** We are offering our old breeders at a great sacrifice.

We are now booking orders for September and October delivery of chicks.

We have **White Holland Turkeys, White Embden Geese, White Guineas and White King Pigeons. Mallard Ducks, Wild Geese, and Pheasants of all kinds.**

PEABODY FARMS, Hinsdale, Ill.

Q.—(4) In running a hot-water incubator the lamp was out one night from four to six hours. The eggs were cold, but the water pipes were warm. This was in warm weather. It was on the ninth day. I filled and lighted the lamp and the eggs were up to temperature again in four hours. Can I expect a fair hatch?

A.—(4) You will probably get a fair hatch and may not notice any ill result from your mishap.

Q.—(5) What is your opinion of hot-air incubators, especially those that only require one filling of the lamp for the entire hatch?

A.—(5) We have not used any machines of that type. We would not want to trust any kerosene lamp unless we filled, cleaned and attended to it at least once in twenty-four hours. It is a severe strain on any oil lamp to keep it burning twenty-four hours a day for three weeks and any operator certainly should be willing to devote a few minutes a day to care of the lamp. We have used both hot-water and hot-air incubators satisfactorily and if buying would give preference to one of the leading standard makes even though the first cost might seem high.

Q.—(6) Would it prove profitable for me to put in several good incubators and hatch chicks for neighbors at 4 cents for each live chick when they supply the eggs and 10 to 12 cents each for chicks when I supply eggs?

Howell, Mich. Mrs. B. K.

Q.—(6) If you are a successful incubator operator you should find custom hatching profitable. A good many women conduct such chick business satisfactorily. Until you gain experience in hatching livable chicks you are liable to have some disappointments. You should get at least 12 cents each for chicks from eggs you furnish and should charge 3 cents per egg for each egg put in machine by others or else get 6 cents per chick when they furnish the eggs. It is usually more satisfactory to furnish the eggs yourself and sell the chicks. When hatching eggs for others there is likely to be much dispute and dissatisfaction if the eggs do not turn out well, and it is better to collect a certain price per egg at the time they are put in the machine. Mark all eggs set and save the infertile ones to show to the customer who supplied the eggs.

Egg Eating and Other Matters.

Q.—(1) What is the cause of egg eating and how can it be prevented?

A.—(1) Egg eating is a bad habit, usually acquired by poorly fed or idle fowls kept in crowded or close quarters and where the nests are open to the light. Keep the birds busy and well fed, do not overcrowd, provide good-sized runs, supply abundant greens and keep the birds busy. Provide dark nests. Gather the eggs often. Don't leave cracked or soft-shelled eggs in poultry house. Put a few china nest eggs on floor for the hens to pick at until disgusted with attempting to eat them. Salt the mash food enough for seasoning. Supply crushed oyster shells and granulated bone.

Q.—(2) What causes soft-shelled eggs? Could lack of exercise do it?

A.—(2) Soft-shelled eggs may be due to insufficient supply of fresh green food and crushed shell. Frequently due to disturbance of egg organs resulting from careless feeding or from poisoning with grain smut and spoiled grains. Sometimes fowls overfat internally

A sure two-base hit on page 991

Rose Comb REDS

Sensation Strain. If you are looking for good blood lines and superior quality, write me your wants.
H. H. HOLMES, 49 Lockwood St., Ashtabula, Ohio



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DON'T let your chickens belong to the "I Didn't" class. USE—
Mundee's Lightning Roup Remedy
The remedy that hits the spot and cures the bird. Used by the world's best breeders. Two sizes, 50c and $1.00 a bottle. Write for folder.
W. J. MUNDEE, Libertyville, Ill.

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are best. Our book tells you why. Write for it. Mention American Poultry Journal.

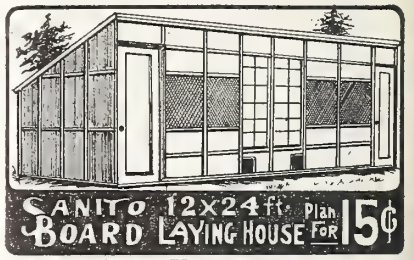
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If you want one portable house for keeping a few chickens on your back lot, or if you want a number of colony houses, do not fail to write for circulars and prices on portable chicken houses. Many styles and sizes. Shipments made from coast to coast. Prices $9.00 to $50.00. Write for circulars to-day. Mention A. P. J.
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SANITO-BOARD keeps out all LICE and MITES
Send us 15c and we will send send you a detail plan 20x30 inches, material list, suggestions and sample of board.
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Patent Applied for.

Send for free sample and special trial offer. Yours for the asking. Large numbers showing 10 feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each $2.50 a 100.

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Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings.

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All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.

A. P. Spiller : Dept. A : Beverly, Mass.

Dr. Hess Poultry PAN-A-CE-A

can be used as a tonic and conditioner. Guaranteed to make poultry healthy—make hens lay—help chicks grow and shorten moulting period. Only costs 1 cent a day for thirty fowl. Sold by reliable dealers everywhere.

Dr. Hess & Clark Ashland, O.

Eggs Now Half Price

Having completed our hatching operations for this season we will now dispose of eggs **from all matings at one-half former prices. Utility chicks 10c each after May 20th.**

Moore's S. C. White Leghorns have made a wonderful record at leading shows. Buy eggs now and hatch your next season's winners.

Moore Bros., Moscow, N. Y.

Poultry Diseases and Their Treatment

By F. A. Kaupp, M. D.

A book containing 185 pages, 5x8 inches in size and is profusely illustrated with original half-tone and pen and ink engravings. It shows the many parasites, germs, and bacteria that attack our poultry, as well as tells the names of the diseases, the cause or causes, the symptom and lastly the *treatment for each disease.* The book is printed on a high grade super calendared book paper, substantially bound in cloth, linen sewed to make it flat opening and the title is stamped in gold. Every poultryman should add this very useful book to his library. Remember that we prepay all charges on the book to your town.

Price $1.50

Send all orders to

American Poultry Journal Publishing Co.

542 So. Dearborn Street Chicago, Illinois

from heavy feeding and lack of exercise will lay soft-shelled eggs. To remedy the trouble remove the cause.

Q.—(3) What is a good way to tell the age of hens? Is there any rule you could follow? W. T. F.

Wood Haven, L. I.

A.—(3) See "Notes and Comment" department in this issue, where this subject is referred to.

Hens Choke.

Q.—This spring one of my hens got something wrong with her and would throw back her head and make a noise as if something in her throat was choking her. Then several others got the same trouble and I thought they surely would get all choked. Think it must have been some disease, as they surely would not all begin to choke at the same time. I did not know what to do and so did nothing, and they are all about over now. Can you tell me what it was?

A.—In the treatment of disease it is always a good plan when you do not know what to do to do nothing. Simply give the birds good care, keep the quarters clean, supply plenty of wholesome food and see that they have an abundance of fresh air day and night. Let alone treatment is called expectant treatment, and when you don't know exactly what to do it is a good plan to try it and give Nature a chance to remedy the trouble, which in many cases she will do best without help. It is probable that your birds had a mild catarrhal inflammation of the throat, which may have been caused by irritating dust, or by climatic conditions, or from use of lice remedies and disinfectants.

Rations to Fit Local Supplies.

Q.—In the interests of poultry keepers of this section we would like to have you suggest suitable rations for chicks and laying hens with the following feeds at our disposal:

Corn	$1.80
Wheat	2.25
Kaffir corn	1.75
Milo maize	1.75
Oats	2.00
Bran	1.85
Shorts	1.90
Corn chop	1.85
Hominy meal	2.00
Cottonseed meal	1.80
Alfalfa meal	.90
Short cut alfalfa	.75

We can, of course, obtain other feeds, but they are too expensive and the ones given above are the cheapest obtainable. Prices are per 100 pounds. Will alfalfa meal or short cut alfalfa answer as a satisfactory green food the year 'round? Pecos Valley Poultry Assn.

Roswell, N. M.

A.—Alfalfa, either in meal or short cut, is good to feed when fresh green food is not plenty, but it is not a complete substitute for fresh raw succulent green food. At the price you can buy it, it makes a good, cheap addition to the ration.

Scratch grain mixture:

Corn	40 pounds
Wheat	25 pounds
Oats	15 pounds
Kaffir corn	15 pounds
Milo maize	10 pounds

Vary quantities of above from time to time as the fowls show preference for any particular grain.

Mash: (Parts by measure.) One part each of shorts, corn chops, hominy meal,

WILL PAY RELIABLE man or woman $12.50 to distribute 100 **Free** pkgs. Perfumed Borax Soap Powder among friends. No money required. **V. Ward Co., 224 Institute Pl., Chicago.**

Smith's White Leghorns

Always Win at the Largest Shows. If interested send for Catalog—Free upon request. Write today

Eugene C. Smith, 317 Galena Blvd., Aurora, Ill.

BABY CHICKS AND DUCKLINGS

S. C. White Leghorns, $10.00 per 100. White Rocks, $12.00 per 100. White Runner Ducklings, $20.00 per 100. Capacity 100,000 annually. Catalog.

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"The kind you'll eventually buy". More regular and special prizes than 5 nearest competitors combined at Guelph Show, 1913. Eggs $3 per 15 after May 15th. Mention American Poultry Journal.

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Cramer's Regal Reds

R. C. Rhode Island Reds exclusively. Bean and Prickett strains. Eggs, $3 for 15, $5 for 30. Tenth Annual Mating List now ready.

Cramer's Red Feather Poultry Yards - Eagleville, Missouri

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Our new egg prices are $5 per 15 from best selected pens; $7.50 per 15 from best exhibition matings. Booklet free. J. C. Coffin & Co., Box A, Sewickley, Pa.

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World's record for winning at Boston. Eggs half price. Book your order for show birds for Fall and Winter Shows now. Send stamp for 24-page catalogue.
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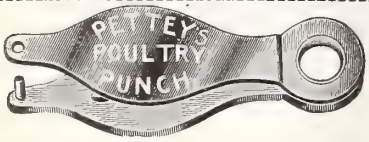

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At Boston's Greatest Show, Jan., 1914
In greatest class ever shown and with 159 birds competing, my birds won Hen 1st, Pen 1st and Specials, showing in three classes only. This great class was the sensation of the show. Have also won at Phila., Mad. Sq. Garden and N. Y. City. Eggs half price for June, and special sale of breeders. Write me your wants. I can suit you.
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Send for catalog of Flanders S. C. W. Leghorn eggs, matings, day-old chicks, etc. The greatest prize winners at the last National (Official) Poultry Show. Unequaled for exhibition, flesh, flavor and hardiness and cost no more than others' second-grade.
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The Phosphorus-Food
Is *all* medicine and food. *No* fillers used. Contains correct amount of phosphorus needed by all live-stock. Composition and analysis on every pail.
5 lb. tin $1; 10 lb. $1.50; 25 lb. $3.
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45 Varieties
Land and Water Fowls
Send for free illustrated catalogue, which tells you much you should know. Stock and eggs at all times. Mention A. P. J.
S. A. HUMMEL Box 52, Freeport, Ill.



All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Pettey, State St., Belvidere, Ill.

a good beef scrap and short-cut alfalfa with two parts bran.

Chick food:

Corn	50 pounds
Wheat	25 pounds
Oats	15 pounds
Kaffir	10 pounds

Grind all together, in small quantities as needed, into a coarse granular meal of desired size for feeding. It is not necessary to sift it and the ground oat hulls will do no harm.

Silage for Poultry.

Q.—What do you know about silos and the use of silage for poultry? It seems to me that silage would have some advantages over other green foods if it can be successfully fed. H. S.
Elmont, Va.

A.—We know very little about silo construction, but some of our friends are very positive that a silo built of cypress staves is in every way superior to a concrete one. If we were about to build a silo should consult an expert on the subject. Some silos keep their contents in fine feeding condition and others do not. We have several friends who keep poultry as a side issue on dairy farms and who feed silage to their poultry in winter with very satisfactory results. Fine chopped corn fodder grown for ensilage is used and if not allowed to become spoiled or mouldy it should make good poultry food. If any of our readers have had practical experience with silos and silage for poultry, we will be glad to hear from them.

Orpingtons.

Q.—What is the difference between S. C. White Orpingtons, R. C. White Orpingtons and Crystal White Orpingtons? I raise Orpingtons myself and would like to know. Mrs. E. C. M.
Fennville, Mich.

A.—S. C. stands for single comb. R. C. for rose comb. "Crystal White" is simply the breeder's name for his particular strain of White Orpingtons.

Blue Legs in Orpingtons.

Q.—(1) Have three Orpington chicks about ten weeks old that have blue legs. Otherwise they look good and are large for their age. What is the cause of the blue legs?

A.—(1) Now and then chicks come with off-colored legs inherited from some ancestor with legs of that color. Sometimes when small chicks show off-colored legs at birth the legs may change in color as the chicks develop. With chicks as old as yours the blue is probably permanent.

Q.—(2) One of my hens did not lay any eggs for five days. Before that she laid an egg every day for nearly six months. What is the trouble?

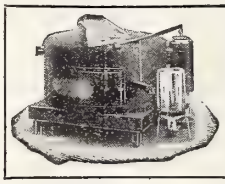
A.—(2) No trouble at all, probably. After such remarkably good laying she is certainly entitled to a brief rest from egg production if she wants it.

Q.—(3) I enclose sample of scratching food that I bought from mill. Is this all right? The hens do not eat the millet in it or the sunflower seed, but sometimes they eat the peas. I am disappointed that the sunflower seed and millet are waste. If this scratch grain is not all right please give me a formula. D. H. K.
Mt. Vernon, Wash.

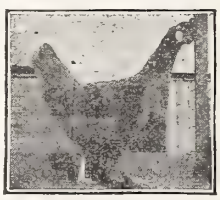
A.—(3) It appears to be a very good scratch grain. There is no millet in it and that you take for millet is broom


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Cuts up scrap bones easily and quickly—no trouble. Feed your hens fresh cut green bone daily and get more eggs. Send for catalogue.
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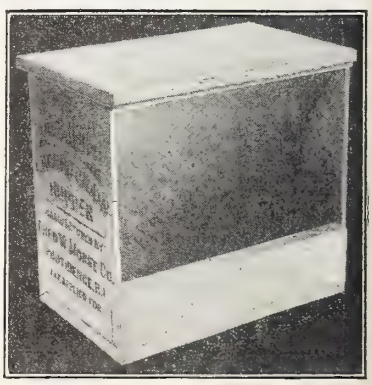

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corn. Your birds will probably clean it all up after they become used to it.

Question on Egg Testing.

Q.—A few days ago when testing some Leghorn eggs I rejected two eggs as infertile. Now these two eggs showed no dark mass in center which moved when egg was inverted, but they did show a network or spider's web of bright red blood vessels. Were these eggs fertile or infertile? R. B.
Sheldon, Iowa.

A.—They were fertile. It is apparent that you need both instruction and experience in testing eggs. See chapter on egg testing in book "How to Raise Chicks."

Sex in Ducks and Geese.

Q.—How can I tell the male from the female in ducks and geese? It also bothers me to tell a pullet from a hen.
Minneapolis, Minn. Subscriber.

A.—In ducks the female has a coarse, noisy, deep-throated quack, the drake makes only a hoarse, rather high, whispering note.

In geese the only sure method for determining sex is to put the bird on its back and roll back the margin of the vent. If it is a gander you should be able to find the penis, which is quite prominent when uncovered.

Experienced poultrymen frequently find it difficult to tell a pullet from a well-kept hen. See notes and comment in this issue.

Eyelids Stick Shut in Chicks.

Q.—I have some trouble with little chicks having their eyelids stick shut. Sometimes their feet swell and turn black. Have one old hen affected in the same way. Her feet are a blue black, considerably swollen and covered with big water blisters. F. G. C.
Sheridan, Wyo.

A.—Catarrhal inflammation of the eyes from irritating dust or from colds is common cause of chicks' eyelids gumming up and sticking shut. Wash the eyes with a weak creolin solution, one teaspoonful in a quart of water, and then apply a little vaseline. The foot symptoms are new to us. Would expect to find that some powerful corrosive substance had been carelessly used about the poultry runs.

Purple Barring in Black Orpingtons.

Q.—(1) If at any time a Black Orpington chick is stunted or suffers a check in its development in any way, will that cause purple barring?

A.—(1) No. The purple barring is more apt to be entirely a matter of what is in and back of the breeding stock.

Q.—(2) Why is it necessary to use white corn only when raising Black Orpington chicks?

A.—(2) It isn't.

Q.—(3) Can I feed yellow corn with good results?
Pittsburgh, Pa.

A.—(3) Yes. K. B. H.

Eggs Don't Hatch.

Q.—In January, 1914, W. P. R. eggs were fairly fertile and gave reasonable hatch. From February 1st we had a temperature of 13 degrees below zero, and during the first part of March. Since then we cannot get a hatch, or very poor, if any. The birds seem in good condition, but to date (May 6th) hatches run from nothing to 25 per cent. L. G. B.
Niagara Falls, N. Y.

A.—Birds evidently got very much out of condition during the cold weather. They need abundant greens, not too heavy graining and plenty of outdoor exercise.

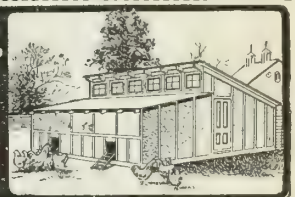


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His magic was not far to seek—
He was so human! Whether strong or weak,
Far from his kind, he neither sank nor soared
But sat an equal guest at every board.
No beggar ever felt him condescend,
Nor prince presume, for still himself he bore
At manhood's simple level, and where'er
He met a stranger, there he left a friend.—Emerson.

IT IS A COMMON THING to hear men and women speaking with pride of their blindness of anger when aroused. One claims to be "furiously mad" over every trifling thing and as quickly over it. Another boastfully remarks that he does not mind little things but if any one treads on his toes with intent to hurt, his anger assumes the form of a towering, seething, frothing monster and people make no delay in getting out of his way at such times. How often we hear it!

But why pride in anger? What worth while quality is possessed in wrath? Why should we be boastful of the fact that about every so often we advance the spark up with the gas and allow the machine to run wild regardless of traffic or road conditions? Is it any wonder that disaster so frequently follows in the wake of uncontrolled anger?

The old order of "fight to the finish" is a back number among nations as well as individuals. The real fighting to be done lies within ourselves. Let the good motives drive out the bad, the good deeds crowd out the evil ones. But the old time warring communities are no longer up in arms against their neighbors. They realize that only so long as they help their neighbors, they help themselves. The intelligent classes are aware that it is not man's strength in battle which counts today, but his breadth of mind, his strength of character, his control of self.

The little, weak-willed, impotent ones are wasting their energies on wrathful vengeance against their neighbors with cumulative damage to themselves.

A lesson we all need to learn is that the world's work is wholly team work. A man of clear vision may be able to see the possibilities of his ideas carried into operation but there must be team work to put it there. No one person can be the "whole show" in an undertaking. The success of a play is as greatly dependent upon the minor parts as upon the leading characters in it. There must be a harmonious working of the whole to make a worth while success and this is true of every human undertaking from making pins to uniting the oceans.

Harmony in work among individuals is practically a modern undertaking. The slave drivers of the past will be superfluous adjuncts to accomplishment in the future. The man or woman deemed fit to be at the head of any big undertaking should be able to realize the necessity of consideration for all the workers—not alone the heads of departments but the errand boys and the scrub women (providing

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Remember This Champion Line made its best records at America's Greatest Show, **Madison Square Garden, New York. They are now better than ever.** We have a great line of stock to select and fill orders with. They have the best of breeding quality and will give absolute satisfaction. Write for my **Special Sales List of Stock.**

Eggs for Hatching from selected matings, made on quality to produce quality. My circular and full particulars for the asking. Write me.

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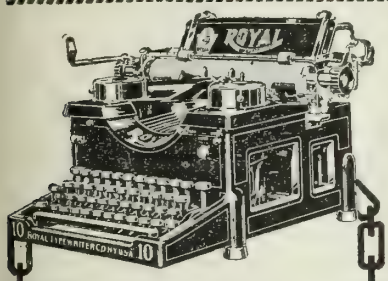
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we have not become sufficiently civilized to care for these tired-faced, back-bent, gray-haired mothers and grandmothers who toil on hands and knees by lamp light in the evening, or before opening hours in the morning, ever greeting us with cheery good mornings and going about their work uncomplainingly.)

A leader among men must be an individual possessed of an unconquerable courage of his convictions, taking keen joy in his chosen work and able to wisely and harmoniously direct his fellow workers. While conscious of his ability in certain directions, he realizes that he is not greatly unlike other people, and neither condescends or presumes in his relationship with his fellows. Such a leader can conduct a great business on a friendship basis, and it will flourish, for their is truth in the saying that if we cannot make friends by doing business with them, we cannot long do business.

The fact is, there are very few really human folk who are antagonistic at heart. If we could forget the trifles, and overlook, for the time being, the slight tread on our toes, cultivating a certain adaptability in human relationships, the team work of communities, of organizations, of business concerns and especially of families would make a showing undreamed of by people generally.

There is a tremendous amount of energy wasted on petty warring that could be advantageously used to turn the wheels of trade, to beautify the waste places, or in a heart-whole, world-wide effort to free the children and the children's children from the bondage of false teaching and superstition that mankind has labored under, and suffered from, during centuries of time.

Take the cruel and absolutely useless written examination grilling that thousands of children are weighted under during these sizzling June days. Why and wherefore? What the object, and what the result? The teacher with her mind on her work knows without so much as looking over the papers which of her scholars have benefited sufficiently from the year's work to advance. But think of the weary, trouble-hearted youngsters who for some reason or another have been unable to grasp little more than a glimmer of knowledge as presented in the usual dry unattractive way. Examination does not help them. It cannot be claimed to help even those who can answer the questions but it sometimes scares them, and it very frequently teaches them to cheat. Examinations as conducted today are due to be marked off the calendar of events in school life at an early date. The teacher who, by her daily association with them, cannot divine the extent of her pupil's knowledge, thereby incapacitates herself for further duty. She knows that if a pupil cannot successfully cope with examples in fractions in class, he cannot be expected to pass a written examination in fractions successfully, and do so honestly.

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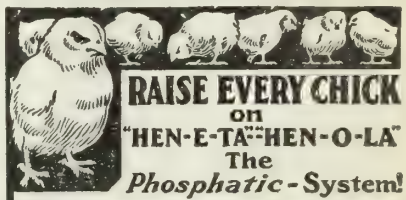
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the human element; a mutual helpfulness in business, in schools, in homes—a determination to make the best there is out of the material at hand, and this can only be done by mutual helpfulness and friendship for our fellow workers.

Strawberry Marmalade.
By E. J.

To a pound of washed and hulled berries, add three-fourths of a pound of sugar, and mash them into a smooth mass. Cook slowly until jelly-like and thick, stirring occasionally. Put in small jars and cover with paraffine. This is delicious to serve at breakfast with hot biscuit.

Cherry Sweetmeats.
By E. J.

Wash and pick over the fruit carefully and remove the seeds and stems. Place in an agate lined kettle and bring slowly to a boil. Stew gently for from twenty to thirty minutes when the sugar should be added, allowing one pound of sugar to one pound of cherries. Mix through the fruit carefully but do not mash them or allow to boil again. As soon as the sugar is thoroughly dissolved, fill the jars and seal. Currant sweetmeats made after this rule are most delicious and the coloring is very attractive.

Currant Conserve.
By E. J.

Five pounds of washed and stemmed currants, two pounds of seeded chopped raisins, four sweet oranges and five pounds of sugar. First cook the currants, raisins and sugar together for fifteen minutes after the boiling point has been reached. Then add the grated rind and juice of the oranges and cook for five to ten minutes longer. Gooseberries may be used instead of currants. Good relish to serve with meats.

Raspberry and Currant Preserve.
By E. J.

To two pounds of washed raspberries add three pounds of sugar and one pint of currant juice. Cook twenty minutes, bottle and seal.

Orange and Rhubarb Conserve.
By H. O. H.

6 oranges
2 lbs. rhubarb
½ lb. best layer figs
2 lbs. sugar

Peel the yellow rind from the oranges as thinly as possible and cut this rind in narrow strips with the scissors. Put them into a saucepan with one-half cup of water and boil gently until tender. Then remove the juice and pulp from the oranges, slice the figs thinly, cut the rhubarb in inch pieces and add all, with the sugar, to the orange rind mixture, and cook slowly together until it begins to jelly. Put in tumblers and cover with paraffine when cold.

Fruit Ice Cream.

To make a good fruit ice cream almost any fruit may be used, but the following are recommended: strawberry, raspberry, pineapple, orange, lemon, peach, prune, apricot. About three-fourths of a quart of cream when whipped is sufficient for a gallon of fruit cream. Sweeten the cream according to the amount required for fruit used, and add to nearly two quarts of sweet milk. Add also two envelopes of minute gelatine which have been dissolved in a little boiling water. Have the crushed ice and salt ready for freezing, and turn freezer until the mixture begins to thicken. Remove cover carefully and add nearly a quart of sweetened crushed fruit or juice. Freeze and pack away for an hour or more.

Cantaloupe Split.

Chill the cantaloupes and cut them in half lengthwise, scraping out the seeds. Fill the hollow with vanilla ice cream. Then place the halves firmly together and bind with a tape. Put in a bed of cracked ice in the refrigerator and allow to chill thoroughly. When ready to serve, split with a silver knife, and sprinkle chopped nut meats or crushed fruit over the top. Serve at once.

Read page 991 right now

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Let us fill your wants for Incubator and Brooder Lamps, Chick Fountains, Chick Feeders, etc. We can save you money. Write for **Free Book** with illustrations and prices. Mention A. P. J.
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Summer sale of breeders. Eight weeks old chix. Pullets and cockerels for sale. Write for price list.
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Eggs for sale from prize winning stock.
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"The Best in The West." If you want stock or eggs, write me. Square deal and reasonable prices.
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Blue Ribbon S. C. Buff Orpingtons
Only 4 pens mated, but each one is quality. 15 Eggs, $1.50 to $5.00. Write for mating list.
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Large Eggs!
How? Why, feed your hens right! Free book **The Golden Egg**, tells how. Write today.
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A MILLION HENS USE
Wellcome's Famous
"Ideal" Trap Nest
Shows which Hen Laid the Egg
New Principle, 100 Per Cent Efficient
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Write NOW for prices and proof.

Black Orpingtons
Winners at Indianapolis, Feb. 1914
First cockerel, first and second pullet, first young pen and champion hen. This hen has won the championship and best bird of the show at Elgin and Aurora and scored 96 points under three different judges. Orders for **Eggs for Hatching**, from the pen containing this fine bird and from pens containing her offspring, are now being booked. Catalog free.
WILD ROSE FARM
Poultry Dept. St. Charles, Illinois



I remember, I remember
How my childhood fleeted by—
The mirth of its December,
And the warmth of its July.

* * *

On July 4th after you have cared for the chicks, it will be perfectly proper to sizzle off a few fire-crackers.

* * *

Frank Platt has been very quiet lately, in fact, so mum that we begin to suspect it is another matrimonial germ.

* * *

It was very gallant in Editor Curtis to publish that letter complimenting Messrs. Orr and Rigg, we also appreciate their notes, it gives one something to think of.

* * *

According to reports the chicken crop is a rather light one, particularly of early hatched chicks, we are hatching right along and intend to set hens until July 10th.

* * *

The Panama-Pacific International Exposition is going to have an Egg-Laying contest to begin November 1, 1914, and ending October 31, 1915. This contest will be in charge of the Poultry Division of the University of California. Entries close Oct 15th.

* * *

Circulars, blanks and further information can be had from Mr. D. O. Lively, Chief Department of Live Stock, San Francisco, Cal. This will add interest to the great Fair and Poultry show to be held there next year and should receive universal support. Contests of this kind are, we believe, of special value to the fancy as it demonstrates that standard-bred birds are the most consistent layers, the greatest layers and the best layers.

* * *

Received a copy of the New A. P. A. Constitution, while we haven't digested all of it as yet, it does look strong, broad and liberal. The A. P. A. needs just such a document, one that is great and level with no shallow (minded) spots.

* * *

We would like to review this further, but others have the floor and are busy on the job, with still one to hear from, we commend the committee for forgetting some things.

Now let us have a Greater American Poultry Association.

* * *

Arrangements for the Chicago meeting are practically completed and the members who do not attend will sure miss something.

* * *

General Harcombe, of Grand View, N. Y., is spending the summer in Labrador, mail reaches him daily, but none ever leaves as the boats run but the one way.

* * *

We believe that the A. P. A. should allow the Specialty Clubs that are members, the use of its illustrations in their annual catalogues under proper and certain conditions, and we hope that favorable action will be taken at the Chicago meeting.

* * *

The Clubs are all doing good work in educating beginners who in time make worthy breeders and A. P. A. members and they should have the privilege of illustrating their catalogues with the adopted Ideal Cuts of the A. P. A. to show positively the correct and desired outline.

$ 7.16 PROFIT PER HEN



is the amount Director Quisenberry made from 100 hens on the Missouri Poultry Experiment Station last year. $4.58 profit per hen was the average amount he cleared from each of 1,000 hens, or $4,580.00, less the cost of labor. In the correspondence course offered by

The American School of Poultry Husbandry

he will teach YOU how to do the same thing, and GUARANTEE SATISFACTION OR YOUR MONEY BACK. Never such opportunities as now in this "Billion Dollar Industry." Regardless of droughts or floods you can harvest your crop every day in the year "The Quisenberry Way."

"A.S.P.H. Graduates Succeed"

Experience Is a Dear Teacher!

Mistakes cost money! Thousands of people have failed to make a financial success of the poultry business solely because of improper methods due to a lack of reliable information. Don't run the risk of failure when you can absolutely insure success! Any one of a hundred single mistakes you might make this summer would cost you more than a complete course in The American School of Poultry Husbandry.

Special Inducements This Month

Whether you are a beginner or an "old timer," a farmer or a "back lotter," it will pay you to investigate this Course, and to **do it now,** while the special summer rates and terms of **"a dollar down and a dollar a month"** are in force. Remember, The American School of Poultry Husbandry is the only exclusive poultry school in the world. It is unanimously endorsed by the poultry press and by hundreds of enthusiastic students in 43 states and Canada. If you have red blood in your veins—if you have heard the "call of the hen," here is the opportunity of a lifetime to put both feet on the sure road to success in this fascinating and profitable business. SEND TODAY for a free copy of our illustrated prospectus, "Dollars and Sense in the Poultry Business." You'll be glad. Address

The AMERICAN SCHOOL of POULTRY HUSBANDRY
Box 38 Mountain Grove, Mo.

Kettering—I thought you said Rosemary was a strawberry blonde.

Rankin—She used to be; but since purple hair came into fashion, she is a huckleberry brunette.

* * *

Our advice to E. Booth Drevenstedt to get off that heavy stuff had no effect for he is off with heaps of its every week in the American Fancier and it is pretty durn good too. He seems to worry much over those somnambulistic pants of ours and we have decided to will them to him right after the Chicago convention, while Chicago has no board walk, it has a beautiful beach and they also say a canal and tow-path, so we will keep them for emergencies until then.

* * *

We regret that in the A. P. A. a condition seems to exist that a prominent official seeking re-election is obliged to mail out character circulars to refute small talk and base charges as was the case in the last election. This official has been a faithful member and servant of the A. P. A. for years and his election was a glorious victory over unfair and base methods. Let all play fair at all times.

* * *

Lines to John A. Gough.

Blame where you must, be candid where you can,
And be each critic the Good-natured Man.

* * *

"The Cockerel," a neat little sheet issued by the International Poultry Sales Co., Browns Mills, N. J., is a lively cockerel full of vigor and worth careful perusal. Here is one of their hints from the hen: "Be it remembered by all that the very best thing to raise chickens on is common sense."

* * *

Fertility has been unusually good during May and June and we look for a larger crop of the later chicks and greater quality at the later shows.

* * *

The moulting season is due and the fowls need special care and food now. For years we have fed sunflowers, linseed-meal, etc., during the moulting period and with much success, but last year we used French's Poultry Mustard entirely and will for future time to come for it has given us the best possible results, there is nothing like it to grow plumage.

* * *

In another month the show season will be opened by the great fairs, soon to be followed by the poultry shows. There is no good reason why we should not have grand good shows from November first to March first. As it is the show season is entirely too short.

* * *

The poultry associations imagine that unless the show comes between December 15th and January 15th that they are out of the season and the result is that many fail to get the entry they should have, spread out the season and avoid close conflictions and you will receive proper entries and support.

* * *

It is pleasing to know that the two associations of Washington, D. C., have got together and the prospects are very good for having but one association and one show there in the future. Washington has its advantages and there is no good reason why a National Show

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Bargain Sale for 1914



Imperial "Ringlet" Exhibition Pen, winning First Prize and Sweepstakes Cup at Madison Square Garden, New York, 1913-1914, and Ckl. heading Second Prize Pen.

Type never told a story of greater values and more sweeping price reductions than in my Special Sale List which is now ready for mailing. This is an opportunity to buy the finest quality Barred Rocks ever offered in America at Special Bargain Prices.

This Is America's Leading Bargain Sale

It is unrivaled in high quality and low prices—This establishment is the largest devoted entirely to the breeding of High Quality Barred Rock in All America. There are more First Prize Madison Square Garden, New York, winners here than on all other farms combined. You can now secure Madison Square Garden winners and sons, brothers, sisters and daughters of New York winners, and birds of this richest New York first prize winning blood at the decided bargain prices. Birds bought now at the prices in my Special Sale List will pay you splendid dividends.

In This Special Sale List

Are listed the finest show birds, the finest breeders in single birds, pairs, trios, and pens that I have ever offered and at the rarest bargain prices. There are lots to meet the needs of all—the beginner who must begin right, the old breeder who will improve his stock, and the show man who wants to win in the strongest competition in the world.

See ad on back cover page for the wonderful record of my Imperial "Ringlets" at last winter's Madison Square Garden 1913-1914 show. This achievement takes rank in history as the most wonderful ever recorded since the New York show was founded.

It Will Be To Your Interest to have this Special Sale List and take advantage of this opportunity to secure "Ringlets" at the cut down bargain prices. Whatever may be your wants in Barred Plymouth Rocks you will find it in my Special Sale List at Bargain Figures: The List will be mailed promptly upon request.

Elegant 70-page catalogue upon application.

EGGS from the world's finest exhibition matings $10 per setting; four settings $35; 100 eggs $60—One-half these prices after June 10th.

E. B. Thompson

Lock Box 510, Amenia, N. Y.

of first importance can't be held there annually. This get-together idea should also prevail in other cities. One show and that a corker should be the desire in all sections and places.

* * *

A Philadelphia doctor lately sent in his bill to a lady as follows:

"To curing your husband until he died $139.49."

* * *

When a man is disturbed by something that annoys some one else, he believes that he is good natured.

* * *

The A. P. A. is unusually well supplied with reformers (we should say knockers) for refer to it in whatever way you wish, some crank will pop up, jab in his chin and try to belittle it, or to make real fun of the association. Some of these no doubt think that they bought the whole association when they paid in their little ten, it is a poor way to get reforms by continually knocking.

* * *

In a great association of this kind with its thousands of members there must be a vast difference of opinion relating to the many important questions that arise almost daily, this is natural and we expect this, but opinions should be well stated without bias, threat or ridicule and let the majority say.

* * *

The trouble is that some expect too much of the association and they fail to believe that there are some things the association "Can't Do." It has its limits of power, and these limits will ever be drawn closer until all members work heart and hand for a greater association and a greater and broader general prosperity and a closer brotherhood between all poultrymen.

* * *

Let all that possibly can meet at Chicago and there resolve upon a just, broad and liberal constitution that all can look upon with pride and in this way build for the future, to which we all owe so much.

* * *

The "Order of the Flea" will hold a special meeting and bite at a date and time to be set later, and during the Chicago convention. There is a new Degree to be worked on "Billy Atherton" who has already made application for more Life Insurance.

* * *

The man who can realize his own limitations is in a fair way to extend them.

* * *

Man's love is a short story, woman's a "Serial."

* * *

July and August hatched Barred Rocks make the winning hens and cocks at the following winter shows. This is also true of other particular varieties.

* * *

Prehistoric. Willie: "Pa, what do they make talking machines of?"

His father: "The first one was made out of a rib, my son."

Ward's Champion Dark Cornish
Summer sale of breeders now on. Some exceptional bargains in imported stock. Booking orders for show birds for the early Fall shows.
John W. Ward Jr., Box 7, Pennington, N. J.

THORNILEY'S ANCONAS
Specialty breeder of the best single comb in America. Show stock, chicks, eggs and line-bred winter layers for sale reasonable. Circular free.
WILLARD J. THORNILEY R. D. 1, Box 36 MARIETAT. OHIO

Read page 991---do it right now! HURRY UP!!

HOUDANS
The "Famous Jimcrack Strain" have won and have produced winners at our largest shows for years. Their records at Toronto, the Ontario Winter Fair, Boston, etc., prove their quality. Stock and eggs for sale. Write for circular. HARRY TAYLOR, 82 Howard Park Ave., Toronto, Ontario, Can.

4114 Pechin St., Roxborough, Philadelphia, Pa., April 17, 1914.
Mr. Chas. Nixon, Washington, N. J. Dear Sir:—The hens which I purchased of you have certainly done good. They have averaged over 24 eggs each per month all winter; have got a nice bunch of young stock from them. I thank you for sending me such good hens. Yours very truly Ernest Cank.
If you buy NIXON'S WHITE WYANDOTTES you can say the same.
CHAS. NIXON - - - - Box 202, WASHINGTON, N. J.

The World's Best **HARVARD REDS** Rhode Island Reds
Sold on modern, progressive, co-operative plan. Get out of a rut. Special sale of breeders now on. Investigate. Give us a trial.
UNITED BREEDERS, Inc., 314 Pond Street, South Braintree, Mass.

Halbach's White Plymouth Rocks
WON EVERY FIRST AND SECOND AT CHICAGO
Write for free bargain sales list. It offers the most attractive bargains you ever heard of. Write today and take advantage of your best chance.
H. W. HALBACH - - - WATERFORD, WIS.



IOWANA WHITE ORPINGTONS
Summer Sale of 1914 Breeding Stock, also cocks, cockerels, hens, pullets and pens that will be ready for the early fairs and Fall shows.
IOWANA FARMS POULTRY DEPARTMENT
Harry W. Atkins, Supt. Box S, DAVENPORT, IOWA

Silver Campines
Cockerels and pullets bred from Crystal Palace winners for sale. Any quality from utility birds to birds that will win at any show. Eggs $2.50 per 15, $4.50 per 30, balance of season. Circular free.
CHAS. A. SIMMONDS - - CAMP POINT, ILL.



EGGS, CHICKS AND BREEDING STOCK OF
PARKS' BRED TO LAY BARRED PLYMOUTH ROCKS
At greatly reduced prices during July.
Circular free. Large 40-pp. catalog, a dime.
J. W. PARKS Box J ALTOONA, PA.

NIAGARA FARMS
Breeders
Young and Yearlings, White Wyandottes, White Rocks, White Leghorns, R. I. Reds. Pekin, Fawn, Pencilled and White Runner Ducks.
Cheap Now: Eggs and chix for roasters. Cut clover and supplies.
W. R. CURTISS CO.
Ransomville, N. Y.

2,500 Showbirds
are now maturing into wondrous beauty among the world famous Aristocrat Barred Plymouth Rocks. This is that sensational strain of birds which set the record of winning at 142 shows all over the U. S., Canada and Europe. Think of it—142 shows. If you need any kind of a **winning** bird at **any** show **anywhere**—write me, stating clearly just what you think you need.



EVERY SHOWBIRD GUARANTEED
W. D. HOLTERMAN, Fancier, Box A, FORT WAYNE, INDIANA

Pacific Coast Department

Conducted by H. H. Collier, Tacoma, Washington.

OUT on the coast we have been very short on poultry judges but at this time we are bringing out new men that we hope will help us tie the blue ribbons in the different shows. One of the new men to shy his castor in the judging ring is Ralph B. Randall, Seattle, Wash. Mr. Randall is not young in the cause like some as he has judged many poultry shows in both England and America. For eighteen years Mr. Randall has bred poultry. Like most of the fanciers he began his career with Bantams. He first bred African Bantams and has gone the limit, having handled most all the different varieties. Like all Englishmen he has shown a fondness at one time for Orpingtons and in his time he bred some good ones. Since the Campine craze came forth Mr. Randall has forsaken all other varieties for the famous Belgium birds and he had the satisfaction of seeing the judges tie several blue ribbons on his coops.

Speaking of poultry Mr. Randall says, "I have had a fondness for chickens all my life and it is hard to say which breed I like the best. I believe that I have a weakness for Leghorns as much as any other fowl but I want to make the Campines a success."

Mr. Randall is sales agent for C. H. Lilly company, a large poultry supply house. He meets a lot of people in the course of a year and gets a good lot of information. Recently he visited Tacoma and I had a very pleasant hour with him talking chickens. The Chinese egg question came up and I was forced to display my ignorance on the subject. I have read a whole lot about Chinese eggs and what they would do for the Pacific coast hens but so far, despite the fact that I am often in the market, I have my first Chinese egg to see. As Mr. Randall makes his home in Seattle where they have imported eggs I asked him what he thought about them as a menace to the Pacific coast hen. He said:

"The Chinese egg has done little to affect the Seattle market. Eggs have not gone lower than twenty cents in Seattle this season and before the cry came up about Chinese eggs, eggs went as low as 18 cents last February a year



JUDGE RALPH R. RANDALL

ago. I saw a shipment of these eggs in a Seattle commission house. They were smaller than our Pacific coast egg. They are generally a dull or brownish color. Some have streaks in them and to the average poultryman he would note a difference at once. Most of those that I saw were small and round. They seemed to have a very hard shell and the membrane in the egg seemed very thick, even that membrane around the yolk was thick and the egg seems to stand up well when broken just like our fresh native eggs. I believe that our native eggs are much thinner in shell than those we find in the east and middle west and I believe that we find the same condition all over the coast. The fact is I believe that our hens lay better and do not make as thick shell as other hens that do not produce the amount of eggs that are averaged here on the coast.

"I do not believe that the Chinese eggs would give us much trouble provided we could have laws passed in the state making the vender of eggs brand them. For instance, I would make the vender of eggs display a sign telling whether an egg was a strictly fresh egg, a case or nearby egg, imported or a cold storage egg. If these signs were displayed then the people would be advised what they were buying and then we would have very little trouble. The people of the Pacific coast believe in good eggs and they would not buy any that they did not believe to be fresh.

"I met a man from China a few days ago and had quite a long talk with him on the egg question. He said if the American people were appraised of the conditions under which Chinese eggs were produced that few would sell in this country. He said that the Chinaman was doing all he could to find a sale for his eggs and that they have established regular egg routes in China that go back from the coast hundreds of miles. These eggs are gathered and often packed on Chinamen's backs for miles in order to get on one of the egg routes where they could sell them. Speaking of the quarters where these eggs are produced my friend

289 Eggs RECORD FOR 1 HEN IN 1 YEAR **212 Eggs** AVERAGE RECORD FOR 10 HENS IN 1 YEAR

In addition to this, my birds won 296 out of a possible 305 firsts last year, 89 specials; 28 silver cups, one A. P. A. Gold Medal, 8 A.P.A. silver medals. Grand Breeders for sale. Send for special sale list. **BARRED ROCKS, COLUMBIAN WYANDOTTES, BLACK ORPINGTONS.**

J. H. WENDLER - - - - - - LAKELAND, FLORIDA

WHATGLEN FARM Champion S. C. Black MINORCAS

Madison Square Garden, N. Y., Winners. Since 1906 birds of my breeding and of my line have won at the leading shows the country over. Their record is history—commending them for highest quality and greatest possible worth. I offer mated breeders, line bred, in any desired number, having the largest farm and largest stock. **Eggs for Hatching** from selected pens, $5 per 15. From special matings, $1 per egg. Write me your wants and for catalog, please. **Whatglen Farms, Frank McGrann, Owner, Hiram Demmy, Jr., Mgr., Lancaster, Pa.**

Harold Tompkins' Rhode Island Reds

Never better. Stock and eggs from heaviest winners at Boston, Madison Square and Chicago, now at half price. Remember, a few June and July chicks will be just ripe for Dec. and Jany. shows.

WRITE YOUR WANTS TO **HAROLD TOMPKINS - - - - CONCORD, MASS.**

said that no American would think of eating them if he could see the hens' surroundings."

Mr. Randall has never applied for a judge's license up to this writing as he has been so very busy with his other work that he could not take many show engagements. He has judged a great many shows in his time. He placed his first ribbons at Dartford, England. Has judged Massachussetts, Los Angeles, California, Edmonds, British Columbia, Seattle and Tacoma, Wash., and other shows around the country. He has lived in Seattle about five years, came here from California. He is married and has one daughter.

* * *

The show season for Washington is fast coming around. The Washington state fair this year promises a big poultry show. The writer is superintendent and James A. Tucker, Concord, Mich., will place the awards. The dates of the fair are September 21 to 26. The big Spokane fair opens this year on the 12th of September. William S. Russell, of Ottumwa, Iowa, will place the awards. Mr. Russell will also judge the Tacoma and Grays Harbor poultry shows this winter. Puyallup or Western Washington fair follows the state fair, and W. M. Coats, of Vancouver, British Columbia, will judge. Superintendent Fred A. Johnson promises a big show this season. The Oregon state fair holds forth the same week as Puyallup and Jimmie Tucker will place the awards. Secretary A. L. Merridith, Salem, Ore., would be glad to send premium list to all who are interested. The Salem fair offers a splendid cash prize this year and it will, without doubt, be the big show.

* * *

It is a little hard to write poultry "stuff" that will be good wherever it is read, things being so different here on Puget Sound from any other climate. The month of June has always been a very damp month with us. The days are often warm and the nights cold. Tonight, the 11th day of June, we find a fire in the morning very pleasant and a good bunch of blankets on our beds feel very comfortable. I note by the papers that the middle west has been suffering from heat. This spring has been a fine one for poultry. We had a delightful May. The rains have held off well but are now beginning and last Sunday we had all kinds of rain and it was quite chilly in the evening. It is a funny thing but a fact, our June rains seem to be much cooler than those that we have in May. The sun comes out between the showers and the weather is very pleasant but the cold nights are a little hard on the young chicks.

This season I am trying to raise a big band of turkeys. The first part of the season my eggs did not prove fertile, in fact, the eggs from one of my hens have been exceedingly poor. She is a very old hen, eight years old this spring and perhaps that accounts for the poor fertility. On my new place I have about six acres in trees, the turkeys have all managed to get over in these woods and despite the fact that I made nests for them in the yards (the same as I did on city lots) they have persisted in laying somewhere on the edge of brush heaps. Not wanting the hens to set in the woods I have taken away their eggs and put artificial eggs in the nest but some of the hens will quit the nest and find others. So far only one of the hens has wanted to set and I have hatched most of the eggs with Buff Rock hens. I had two setting on turkey eggs, one on twelve and the other on ten and I hatched all the eggs. That was about three weeks ago and at this writing every turkey is alive and doing well.

I took the two hens with the turkeys and put them in coops. I have a coop for one that is about ten feet long, covered at one end with a shed roof and the other part with two inch wire netting. The other coop is about six feet long built in the same style. These coops were put on good grass and as fast as the hen and young mowed the grass the coops were moved to another place. I kept the hens and turkeys up so they could not get out for the first week and then I put a brick under the corner of the coops, raising the coop up high enough to allow the little turkeys to run where they please but keep the old hen in. This way of handling the youngsters has proved a big success and as I said before, I have not lost one of the lot.

For the feed for the young turkeys I have used commercial chick feed in

Single Comb White Leghorns

Yearlings, cocks, $1.00, $2.00, $3.00; hens $12.00 per doz.; cockerels, 75c. Laying Bred.

JOSEPH STENZ & SON FOND DU LAC, WIS.

SEND FOR ILLUSTRATED CATALOGUE

"PREMIER" PARTRIDGE WYANDOTTES

500 January and February hatched cockerels and pullets making unusually fine growth and soon ready to win the blue ribbons at the Fall shows. The "Premier" strain, originated by Sheffield Farm, has won more prizes than any other strain of Partridge Wyandottes in the world. Get started right with this great Utility and Beauty breed.

SHEFFIELD FARM H. B. Hark, Mgr. Poultry Dept. GLENDALE, OHIO

Smith's S. C. Buff Leghorns

The Largest Exclusive Breeder of Buffs in the World.

I have no other breeds and had the grandest winter layers and winners at 13 big shows. EGGS and DAY-OLD CHICKS by the thousands. Send 10c for catalogue and find out how to raise 150 pullets to the age of six months for 15½ cents each. Eggs half price. If you want grand layers or show birds write me your wants.

F. S. SMITH Box C and D HAMILTON, OHIO

WYANDOTTES

I offer 300 grand hens and 100 exhibition cocks in Golden, Silver and White Wyandottes at much less than half price for quick sale. Bred from our N.Y. Winners. A great chance to procure the finest line in America at a sacrifice price. Also the finest imported Golden Seabrights. Circular.

IRA C. KELLER Box 75, PROSPECT, OHIO

CHICKS

At Reduced Summer Prices

Any one can afford to buy them and make some money at these prices. High-grade chicks for delivery June 22nd up to Aug. 17th. Order early. Also will give a cut on lampless brooders. S. C. White Leghorns and Barred Plymouth Rocks our Specialties.

S. C. W. Leghorns ..... each, 8c
S. C. Brown Leghorns ..... each, 7½c
Barred Plymouth Rocks ..... each, 10c
R. C. R. I. Reds ..... each, 11c
Broiler Chicks ..... each, 7c

6 per cent off if 1,000 or more are taken at one time. Catalogue Free.

TWENTIETH CENTURY HATCHERY, Box 73, Chatfield, Ohio

THE "Maryland" STRAIN

Walden's Barred Rocks

Win at Baltimore, Md., 1914

First Prize Hen and Shape Female and Second and Fourth Pullets

The Pullet Bred Line a Specialty

My birds have won this year also at Philadelphia, Williamsport, Pittsburgh, Hagerstown, etc. For years they have won at leading shows. If you are interested in Quality My Maryland Strain will interest you.

My New Catalogue for the Asking

It gives you full and complete information of my line with prices, etc. Eggs for hatching from selected pens containing all my winners. Write me your wants today.

R. J. WALDEN Box A MIDDLEBURG, MARYLAND

the morning, boiled wheat at noon and whole wheat in the evening. I find that it is not well to feed turkeys as heavy as one would chickens as they go off their feed much quicker. For a start I give boiled eggs and bread crumbs. For drink I have not used anything but sour milk, some of it has clabbered well before it is fed. They have the run of a big place where there is a lot of native grass, some white clover and different kinds of weeds that seem to be native to this section. The only trouble I have had with this bunch of turkeys is in the evening when I will find one hen with the whole twenty-two and I am forced to go out and divide them up. They have done better this way than with one turkey hen that brought off a cluth of fourteen; she has lost six of hers and has only eight left.

* * *

I am extremely fortunate in the land that I am on. It is a gravel formation. Earth very black, filled with small gravel. About two feet down one strikes a gravel bed and the formation all the way down is gravel and sand. The reason why I know I dug a well 44 feet and the only thing I went through was gravel and sand. This soil drains well and no water will stand any length of time after a rain. In fact if it were not for the grass one would not know that it had rained at all two or three hours afterwards.

I have swale running down at the foot of my land that contains about three acres. This land is a heavy black sandy loam and as a producer of green stuff I never saw anything better. I raise all kinds of lettuce, cabbage and kale. The beans, corn and potatoes all seem to do well. As I am in the center of the woodland, the frost seems to do little harm to the garden sass. Even the beans and potatoes were not touched when several gardens got a good nip about the middle of May.

* * *

I do not believe there is a better feed for either turkeys or chickens than boiled wheat fed once each day. This wheat has swollen as large as it can get. If the turkey or chick can swallow the grain, they find it no trouble to digest it. I had one Buff Rock to reach two pounds and four ounces in ten weeks. This may seem large to some but chicks seem to mature very fast here on Puget Sound. The seasons being short may account for it.

* * *

All of the fanciers are busy raising birds this year for the big San Francisco fair. They realize that they must raise their cocks and hens this season for the next year's fair. Washington will duplicate the prize money won by Washington breeders and this will stimulate the exhibit from this state. Washington expects to take at least twenty-five per cent of the prizes on the breeds exhibited from this state. We are willing to concede the middle west and east a few premiums but do not come out and tell us that you left your best birds at home for if you do, we will keep all of the blue ribbons here on the coast.

Blue Orpingtons Silver Campines

Having finished rearing, I offer my best Blue Orpington eggs—best in the world—at $12.50. Second pen $10 a sitting. Silver Campines, $8 and $5 a sitting. Several sound, healthy breeding pens, cock or cockerel and three hens (Blues), correctly mated, $40 each. Bear in mind—I was the introducer into America in 1911, at the Garden Show, New York, of Blue Orpingtons, and started all the big American breeders in this variety with my stock. Birds and eggs shipped at once on receipt of order. Live delivery in New York guaranteed. I have no representative in America.

Member Advisory Committee, Panama-Pacific Expo., 1915 **Max de Bathe, Hartley Court, Reading, England** Vice-President Poultry Club of England

BYERS' STRAIN **ORPINGTONS** BUFF BLACK WHITE

The best possible value and service is extended you in stock which I now offer and will deliver at ONE-HALF regular price. Secure a doubly profitable purchase now by anticipating your future requirements. That's what every successful business man does. Superb Stars ready for immediate or later delivery—birds with a future. Sale Folder free.

C. S. BYERS (Successful Orpington Specialist 15 Years) **HAZELRIGG, INDIANA**

Sunlight S. C. White Leghorns

(D. W. YOUNG STRAIN)

GREATEST KNOWN LAYERS

DAY-OLD CHICKS HATCHING EGGS STOCK

It is not too late to buy eggs and day-old chicks. Some of my best layers are hatched in June and July. I am offering eggs and day-old chicks at **reduced prices**, for which I still pay the **express charges.**

Pullets and Cockerels Six to Eight Weeks Old, for 50c each

I will have a fine lot of pullets and cockerels for Fall delivery. **A fine lot of breeders for sale at reduced prices.** If you want the best in S. C. W. Leghorns, write me for catalogue and prices. **Satisfaction Guaranteed.** Best of references. "The Most of the Best for the Least."

SUNLIGHT POULTRY FARM **E. N. LEMON, OWNER** **LYNCHBURG, OHIO**

French's Poultry Mustard

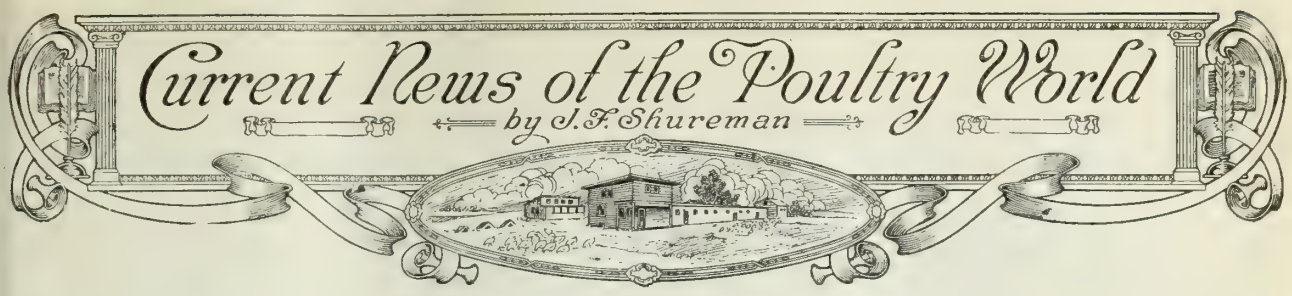
The Original Poultry Mustard in America. Absolutely pure and prepared to produce most excellent results. Used and highly recommended by thousands of breeders, fanciers and practical poultrymen the world over.

Feed It During the Moulting Period

Most satisfactory results have been obtained by its liberal and constant use. It stimulates and invigorates. It rebuilds and strengthens lost and waste tissues; It SHORTENS THE MOULTING PERIOD, and starts the hens laying. A fair trial will convince you of its worth. Avoid counterfeits and don't accept substitutes. Insist upon having **French's Poultry Mustard.** Buy it from your dealer, or send to us direct.

Our 32-page booklet giving Mr. Ralph Allen's experiments in England, together with other articles on Mustard and testimonials from prominent poultry raisers is sent free of charge for the asking. Write for this today. Address

The R. T. French Co., Department A **Rochester, N. Y.**



Dr. Hal Halstead has been appointed superintendent of the poultry department of the Alabama State Fair to be held in Birmingham in the early part of October.

Joel M. Foster, wealthy proprietor of poultry farms at Browns Mills, N. J., and Scranton, Pa., who was arrested in Mobile last January in company with his stenographer, Delilah Bradley, charged with violation of the Mann white slave act, was indicted by the Federal Grand Jury on June 3, charged with the offense.

A summer course in poultry culture is being conducted at the Minnesota State Agricultural College at Merriam Park by Prof. A. C. Smith, head of the poultry department, and assistants. The course, which began on June 15 and which will continue for six weeks, is designed to accommodate small poultry raisers living in the cities.

One hundred eggs from four hens in one month, with one hen contributing two eggs the last day, is the reported performance of four Silver Campines owned by C. A. Nichols, of Le Grande, Ore.

Mrs. Martin Carden, of Skidmore, Wis., is the owner of a duck that lays black eggs. The eggs are of the usual size, but coal black. On the tip of the small end of each one is a bluish-white spot. Next!

There are some chickens in New York City—in fact, it is quite a chicken center. The report of the Board of Health, just issued, shows that upward of eight thousand permits to keep live chickens, ducks and geese within the limits of the big city are issued annually.

The penalty for stealing poultry in Massachusetts is now a fine of $200 and imprisonment for a term of two years, no matter whether one bird or a hundred are stolen. Before the new law was passed, the penalty was only a five-dollar fine. It doesn't pay to steal poultry in Massachusetts now and get caught at it.

Frank G. Perrin, well known attorney and poultry fancier of Media, Pa., lost his chicken house and 150 fowls by fire early in June. The fowls were Rhode Island Reds and Mottled Anconas, many of them being prize winners at the big eastern shows. The origin of the fire is a mystery.

With one hand entirely gone and the other minus four fingers, Lee Worman, of East Columbus, Ohio, will engage in the poultry business. To make this possible, the State Industrial Commission gave him a check for $3,646 a few days ago and will pay him $9 a week during the balance of his life. Worman met with an accident while working for the Ralston Steel Car Co. He will purchase a tract of land, erect modern poultry buildings and engage in the poultry business. This is the first time in the history of the State Industrial Commission that it has allowed in a lump sum any amount for total permanent disability.

New freight tariffs proposing to increase the ratings on live poultry in carloads from fourth to third class, between points in Colorado, Utah and other Western states and the Eastern markets have been suspended by the Interstate Commerce Commission to August 29. The commission will conduct an investigation into the reasonableness of the advances.

The Arkansas Branch of the American Poultry Association has adopted a resolution asking the Arkansas Press Association to favor the passage of an act by the next legislature providing for the appointment of a State Board

BLACK ORPINGTONS
THE BIG, BLOCKY KIND
A FEW FEMALES FOR SALE AND SOME FINE YOUNG STOCK AFTER SEPTEMBER 1st.
SYLVESTER THOS. McCABE 535 W. 4th Avenue COLUMBUS, OHIO

American Poultry Association

The poultry industry of this country amounts in the aggregate to one billion dollars per annum. These figures paralize the imagination.

The American Poultry Association is the largest live stock organization in the world and its membership is increasing with tremendous rapidity. On its roll are the leading breeders and representative poultrymen of Canada and every state in the union.

Every breeder, fancier, man and woman in the United States and Canada who is interested in poultry of any kind should join this great organization.

The American Standard of Perfection

The Standard of Perfection is the official guide for the breeding, mating and judging of all poultry. It gives a close and detailed description of every breed and variety of chickens, ducks, geese and turkeys, with illustrations from living models. This book is published by the American Poultry Association at an enormous expense and is the American authority. You can not raise poultry successfully without this American Standard of Perfection. Prices postpaid from the publishers of this paper. C'oth binding, $2; leather binding, $2.50. Send all orders to American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.

On its shoulders rest this gigantic Billion-Dollar Industry.

Your interests will be promoted and safeguarded. You may compete for the association diplomas and gold and silver medals at the shows, and be entitled to all the help that honest organized effort can give you.

You will have a voice in shaping the course and policy of the association. Making it recognized by nations and governments. Your name should be one of the thousands of the honored members of this association. We urge you to write immediately for information and application blank. Address

E. B. THOMPSON, President, Amenia, New York
S. T. CAMPBELL, Secretary
American Poultry Association, Mansfield, Ohio

of Poultry Husbandry, whose duty it shall be to establish a state poultry experiment station in Arkansas similar to the one at Mountain Grove, Mo.

A. G. Goodacre, president of the Long Beach (Cal.) Poultry Association, is introducing English pheasants into Southern California and announces that he expects to revolutionize the poultry industry of that section of the country.

The following officers were chosen at the recent election of the South Dakota Branch of the American Poultry Association: President, William Scallin, Mitchell; first vice-president, R. H. Borrey, Sioux Falls; second vice-president, John Noit, Mt. Vernon; secretary-treasurer, W. C. McConnell, Sioux Falls; executive committee, H. P. Larson, Beresford, and Mrs. Mattie Webster, Woonsocket.

Harry Collier, the well-known poultry breeder and judge of Tacoma, Wash., has been appointed superintendent of the poultry department at the Washington State Fair. Mr. Collier has held this position fifteen times in the past, so this will be his sixteenth administration in this capacity.

A hen belonging to William Grubb, a poultry farmer near Exeter, Pa., recently laid an egg that resembles a calabash.

Exports of poultry from New Orleans to the Bay Islands, Central and South America, have been large this season. Bruce Brothers alone shipped more than five thousand White Leghorns, while a number of other poultrymen have made smaller shipments.

A peculiar disease recently attacked the small chicks belonging to Mr. and Mrs. Arthur Silvey, of Bowling Green, Ind. Within a period of thirty-six hours they lost between eighty and ninety chicks.

Prof. Bittenbinder, of the Iowa State Agricultural College at Ames, has been assigned by the dean of the college to take charge of the poultry show to be held in Hopkinton, Iowa, in November.

J. C. Fishel, the well-known White Wyandotte breeder of Hope, Ind., has been appointed postmaster of Hope.

In compliance with instructions received at the meeting of the American Campine Club, held in Philadelphia last December, there have been prepared and filed with Secretary S. T. Campbell, of the American Poultry Association, petitions asking for the admission to the Standard of both the Golden and Silver Campines. These petitions will be acted upon at the August meeting of the A. P. A.

Miss S. Carey, the well-known lady poultry breeder of England, has been made a member of the advisory committee from England at the Panama-Pacific Exposition to be held in 1915. She will endeavor to get a representative exhibit of English poultry for the poultry show to be held in connection with the exposition.

What is claimed to be the largest consignment of Chinese eggs landed thus far at American ports reached Vancouver, B. C., recently. The shipment is said to have consisted of 6,792,260 eggs, most of which were consigned to points in the United States.

Frank C. Hare, formerly of Quincy, Ill., but now United States poultry demonstration agent, has been working in South Carolina for several months and has organized boys' and girls' poultry clubs in several of the counties. Until recently most of Mr. Hare's work was among the adults.

To stimulate interest in the matter of raising high-grade poultry throughout the state, joint plans have been made by the Montana State Board of Poultry Husbandry, the State Poultry Association and the Montana Branch of the American Poultry Association, by which every beginner in the chicken business will be given a pure-bred cockerel. In order to take advantage of this offer, the beginner must agree to devote at least three years to raising high-class fowls.

KLINGBEIL PARTRIDGE ROCKS

The Great Fancy and Utility Strain. Winners at New York, Boston, Providence and other leading shows. They have the show record as well as the quality record. Bred in line for greatest value. Some very fine mated pens and cockerels. **PLEASANT VIEW FRUIT AND POULTRY FARM,**
PAUL KLINGBEIL, Prop. Sec'y and Treas. Partridge Plymouth Rock Club **WALPOLE, MASS.**

Myers' Barred Plymouth Rocks

I will now sell a lot of my breeding birds at reduced prices to make room for growing young stock. These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder desiring choice exhibition and quality birds. I sell in lots and quantity to suit, and assure absolute satisfaction. Selected Breeding Cockerels, $5, $7.50, $10, $15. Selected Breeding Pullets, $3, $4, $5 to $10. Trios, $10 up. Pens, $15 up. A Special Pen of Male and 4 Females, $25. Remember I select and mate all birds sold. Write me your wants. **Eggs for hatching.** Write for free catalogue.
C. N. MYERS - Box A - HANOVER, PA.



BARGAIN SALE

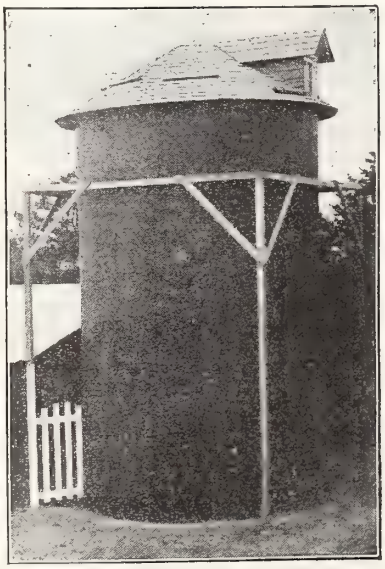
of Foxhurst Farm Champion Black Orpingtons
OUR MADISON SQUARE GARDEN WINNERS
Breeding Females
Pens, Trios and Single Birds

at less than **one-half price. Remarkable** chance to buy specimens of World's Champion Strain from $5 to $50.
On approval; satisfaction guaranteed.
FOXHURST FARM - LIME ROCK, CONN.

The Poultry Silo

A Silo is a receptacle for green food, the same as the housewife preserves fruit or sugar corn for winter use.

The Poultry silo is the coming thing, as it solves the feed problem once for all. Keeps poultry all winter the same as on range in summer — the cheapest and best food possible. Saves time, labor and expense. You will pay for a silo whether you put up one or not. We have made the plan so simple that anyone can erect one, at the lowest possible cost. Complete set of blue prints and instructions for $1.50. Also little booklet "Poultry Silage"



The Poultry Silo,
Box 35, New London, Mo.

LICE?
The lice question is quickly settled if you dust your fowls with
Conkey's Lice Powder
It's safe, quick and sure.
Saves your poultry profits because it
Kills the Lice
Doesn't Harm Chickens
Price 25 cents, 50 cents and $1.00.
For the mites that hide in the cracks by day and prey on chickens at night, spray your poultry house with
Conkey's Lice Liquid
Cleans them out thoroughly. Quart 35 cents, half gallon 60 cents, gallon $1.00.
For the deadly head louse use
CONKEY'S HEAD LICE OINTMENT
Effective and doesn't harm chicks. 10 and 25 cents. Money back if these preparations do not satisfy.
The G. E. Conkey Co., Cleveland, Ohio
Ask For Conkey's Free Poultry Book



E. B. Thompson's "Ringlet" Sale.

Bargains in "Ringlet" Barred Plymouth Rocks are plentiful in Mr. Thompson's Special Sale list. We want all of our readers who are interested in this grand breed of fowl to send for this handsome illustrated sale list. It contains over 30 pages and is just chock full of bargains. All of the birds listed for sale are of first prize New York winning blood and every number is a rare and special bargain. If you want birds to enter in the coming winter shows, birds that will win in the hottest competition, here is the place to get them. There are seventy-six different bargains in hens, pullets, cockerels and cocks listed in this booklet, as well as special bargain in eggs. All of the birds have grand size and shape, great length, breadth and thickness; narrow, clean-cut "Ringlet" barring, even, rich blue color, fine head and comb, red eyes and yellow legs and beak. Furthermore, these birds are of the best blood lines known to the breed. Do not delay; send for sale list today. Address E. B. Thompson, Lock Box 510, Amenia, N. Y. Please mention American Poultry Journal when writing.

Bargains.

Any of our readers who are looking for some bargains in breeders, young and yearlings, in White Wyandottes, White Rocks, White Leghorns and R. I. Reds, will do well to correspond with W. R. Curtiss & Co., Ransomville, N. Y. They are also offering some excellent Pekin, Fawn, Pencilled and White Runner Ducks at reasonable prices. Eggs and chix for roasters selling very cheap now. They also handle cut clover and supplies. Now is the time to fill your wants and this concern will treat you right. Why not send them your orders? Satisfaction guaranteed or money refunded.

Penciled Runners Have Fulfilled Conditions.

Notice is hereby given all interested breeders that the Cumberland White-Egg Indian Runner Club has filed with the secretary of the American Poultry Association all the required papers for the admission of the Penciled Runner to the American Standard of Perfection, in due form. As far as is now known to it, the Cumberland Club is the only group of Runner breeders to have filed all the required papers.

The magnificent carriage, type and gait in Runners recently shown in New York and other eastern shows by both American and English breeders will forever set at rest the question as to true Runner quality. It is confidently expected that the Runner Ducks will now enter upon an era of progress and conquest such as has never before been known. With the best egg and the best flesh of any known domestic fowls, and with harmony prevailing among all who desire the best good of the best Runners, their future course should be straight onward and upward continuously.

C. S. Valentine, President.

Forest City Fair.

The Second Annual Forest City Fair Poultry Show will be held August 20 to 27, 1914, at North Randall, Ohio, suburb of Cleveland, America's sixth city. The management is so encouraged by the support given them by the fanciers at their inaugural exhibition last year that they are planning for even better things this year.

This event opens the season of America's great shows, consequently it will be attended by scores of eager buyers seeking winners for the shows that are to follow.

Over $60,000 is being offered in cash premiums at this fair and an unusually liberal proportion thereof is allotted to the poultry show. In addition, handsome ribbons will be awarded all prize winners.

Very keen interest is being shown in the Hamburg class owing to the fact that the Ohio Hamburg Fanciers' Club will hold a special meeting in connection with this show, and through its secretary, Ira M. Farber, Sandyville, Ohio, is offering a number of valuable cash specials to be competed for by its members.

Shepard Strong will again have charge of this show, thus insuring fair and courteous treatment to all exhibitors and proper care of all specimens and safe delivery of same to express companies for return shipment. Intending exhibitors should make note of the fact that each one of the four thousand birds on exhibition last year was returned to its proper

White Diarrhoea!

Avoided, Prevented, Cured by our system. 5 lbs. Life Saving Feed, 1 big box **Preventive**, and 1 big box **Cure**, all for 65c; any one 25c. J. C. Fishel says, "It does the work". **Avoid** the long **moult** in **hens** and **make pullets** lay **early** by feeding **Prescription No. 4 now.** 1 lb. 25c, 5 lbs. $1. **A pound** cockerel **given free** with each $3 order for **remedies.** A grand chance to get new blood. Rocks, Reds, Wyandottes, Leghorns, Orpingtons, etc. **Send New Jersey orders to A. Sanders, State Agt., Lambertville, New Jersey.**

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"O. K." Poultry Litter

TRADE MARK

Cheaper to use and better than Straw, Clover, Alfalfa, Sawdust, Shavings, etc. In **Coops, Laying Houses, Colony Houses and Scratching Pens, "O. K." Litter** dries up the droppings so that the house is always dry, clean, sweet smelling and sanitary and needs cleaning out only once in three or four months.

"O. K." Keeps the Brooder Clean, Dry and Sweet

One lot of "O. K." Litter lasts until the chicks have out-grown the brooder, without once cleaning out. "O. K." Litter will NOT BURN. Lice will not come where it is used. **TELL US HOW LARGE YOUR HOUSE IS—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.**

FREE! Write today for sample of "O. K." Litter and copy of our New Poultry Book

O. K. Company, Dept. 183, 157 Water St., New York

"O. K." Trade Mark is on every bale of the genuine

"PITTSBURGH PERFECT" CHICKEN AND RABBIT FENCE

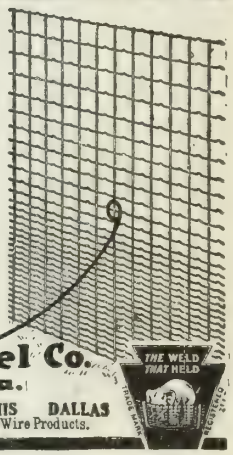
Indispensable to all poultry raisers, large or small. The closest-meshed fence of its kind in the world. The horizontal wires in the bottom portion of this fence are only 1 inch apart, the upright wires being 4 or 6 inches apart, as desired. Affords *perfect protection* against all prowling, destructive animals, while the smallest chickens can't squeeze through.

The strongest, most durable chicken fence, because it is made of heavy gauge Open Hearth wire, heavily and thoroughly galvanized. Wires at every contact point are WELDED BY ELECTRICITY, making a *one-piece fabric*, easiest to string. No top and bottom boards required. Fewer posts needed.

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Our new catalogue is full of fence information Sent free.



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Makers of "Pittsburgh Perfect" Brands of Open Hearth Steel Wire Products.

THE WELD THAT HELD

100,000 Chicks for July Delivery

All exhibition and special mated chicks go with utility stock at utility prices—Buy our "better hatched" chicks; they cost no more than ordinary stock; they are bred right, hatched right and shipped right. Sold at low prices because we hatch thousands while others hatch hundreds. Stock bred for vigor and laying qualities. Why pay higher prices for chicks that are inferior? Order direct from this ad to save time. A hatch each Tuesday. Price list on request.



BABY CHICKS DROPPED AT YOUR DOOR
— BY THE EXPRESSMAN —

S. C. *White Leghorns* in thousand lots a specialty. S. C. *Brown Leghorns, S. C. Buff Leghorns, Barred Rocks,* $3.00 for 25, $5.50 for 50, $10.00 for 100, $45.00 for 500. *White Rocks, S. C. Black Minorcas, S. C. R. I. Reds, R. C. R. I. Reds,* $3.50 for 25, $6.50 for 50, $12.50 for 100, $55.00 for 500. *White Orpingtons, Buff Orpingtons, White Wyandottes,* $3.75 for 25, $7.00 for 50, $13.50 for 100. *Mixed Broiler Chicks,* $8.00 for 100, $40.00 for 500. Orders filled promptly. Safe delivery guaranteed. Send postoffice order for full amount with order. Remember you will receive some of our 50-cent chicks in each lot you order. Mention American Poultry Journal.

The Co-Operative Breeding & Hatching Co., Box A, Tiro, Ohio

destination at the conclusion of the show.

This event will be conducted along the lines of the best winter shows. Spratts Patent will coop and feed the show and a catalog will be published showing the names and addresses of the owners of all exhibits.

Don't forget that entries close August 1.

Write today for premium list to H. J. Kline, General Manager, 1050 Leader-News Bldg., Cleveland, Ohio.

———o———

Fred B. Keifer, Marshall, Ill., state secretary of the National White Wyandotte Club, would like to hear from every breeder of this popular variety who is not now a member of the club. Special inducement to get you interested. Join the club and help make Illinois the banner White Wyandotte state.

———

On April 18, 1914, the final meeting of the West Haven, Conn., Poultry Association was held, at which time the members voted to disband, owing to the fact that after having given one of the largest and best exhibitions in the history of the association, the members were astounded to discover that, through the incompetency and extravagance of an official in whose hands the affairs of the association had been placed, the association had been forced into bankruptcy and compelled to disband.

———

The Terrebonne Parish Fair will hold its Second Annual Poultry Show October 8-11, 1914, at Houma, La.. Judge F. J. Marshall, College Park, Ga., will place the awards. The handsome A. P. A. ribbons will be awarded at this fair. Cash specials for Black, White, Buff and Particolor varieties; $20 for grand champion pen, $10 for grand champion male, $10 for grand champion female. Other specials and cups. For catalogue and entry blanks address F. X. Bourg, Sec'y, Houma, La.

———

The Williamsport Poultry, Pigeon and Pet Stock Association have selected as dates for their 1914 exhibition, Nov. 17 to 20, opening on Tuesday and closing on Friday. This will make their show come one week earlier than it has for several years past, and they trust that all their old exhibitors, as well as prospective exhibitors, will take notice of the dates and get their chicks out accordingly. They feel that in their judges they are not surpassed by any show in the country and that all exhibitors will be pleased to learn that Henry P. Schwab, Richard Oke, Charles Nixon, J. C. Punderford and F. I. Bradford have been selected as the judges. This season they will make an entirely new mailing list, and ask all prospective exhibitors to write for premium list. James T. Huston is president of the association, but address all communications to the secretary, George J. Hanks, 35 West Fourth Street, Williamsport, Pa.

———

At the recent annual meeting of the White Plymouth Rock Club, the following officers were elected: President, Chas. H. Ward, Bethel, Conn.; secretary-treasurer, Martin F. Schultes, Bartlett, Tenn.; executive committee: Dr. L. D. LeGear, St. Louis, Mo.; Geo. H. Hilderbrand, Meadville, Pa., and U. R. Fishel, Hope, Ind. Dues are only $1.00, which includes the application fee, and should be sent to the White Plymouth Rock Club, Albashire, Bartlett, Tenn.

———o———

Of Interest to Local Associations.

The management of the Great Coliseum Exhibition have decided to offer a special that should in the right way encourage local associations to exhibit under the name of their associations. For the season of 1914 a special of $25 will be offered for first and $20 for second, to the breeders of local associations making the largest win, according to Rule 15. The entry blanks that go out this year will have at the bottom a blank line for each exhibitor to give the name of his association. This will be entered on the books of the secretary, and at the close of the show every award made on every breed or variety, Standard or non-Standard, will be credited to these associations, and the association winning the greatest number of prizes will be awarded the $25 and the one winning the next greatest number will be awarded the $20.

It would certainly be a credit to any association to be able to advertise to the world that their members won at this show more prizes than any other association. It is open to the world and costs absolutely nothing, as the same cash specials will be offered on all varieties as heretofore.

The Great Mid-West Poultry and Pet Stock Association have introduced more good and novel features in Poultry Show management than all the other Poultry Shows in the country combined. We feel that it is up to us to encourage local shows and we think of no better plan than to offer these specials.

———o———

It is a good plan to run several hens with each flock of pullets. These will have had their lessons at laying eggs, and will put the young pullets through their pupilship. Select those hens that are ready to lay and are in fit condition.

THIS FINE SHETLAND PONY FREE

HURRY! — WHO WANTS HIM? — SEND TODAY!

Girls and Boys! Write quick and see how easy you can get a pony *free*. Yes, really *FREE!*



If you could pick out what you would rather have than almost anything else in the world right now, I know you would say "A Pony." I want to make you a present of this real, live, beautiful Shetland Pony **"BILLY"** and if you try you can get him **FREE,** absolutely **FREE.** You cannot buy him because I am going to **Give Him Away.** Send me your name, QUICK!

"My Name Is Billy"

"I want to go to some kind little girl or boy who likes a real pet and who will give me a good home. You will love me because I am friendly and gentle and like to play. I am strong, too, and you can fill up my carriage with children and I'll take you to school and home again, so fast you'll never be late. I am going free to some boy or girl, so you better send for me. See my photo. I am a black pony, four years old, weigh about 300 pounds, well trained and gentle, just the chum you want. You can ride me or drive me. I have a dandy new Carriage, Harness and Saddle, so I am all ready for you. Tell the Pony Editor that you want "Billy."

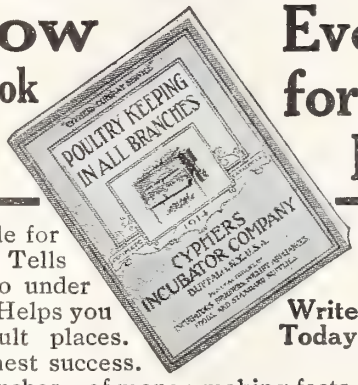
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WRITE QUICK!
Carriage, Harness, Saddle and Bridle
All Given Free!

Send Me Your Name Quick!—Free Gift

Let me tell you how you can get a dandy Shetland Pony, Carriage, Harness and Saddle—all **FREE.** My plan is different, it's so easy. You want a Pony and here is your chance. Write me **TODAY.** A post card will do. Just say **"I WANT BILLY,"** give your name and address, and I'll send you a **FREE GIFT** to start, and show you how to get this beautiful Pony **FREE.** But you must **HURRY**—do not delay—**GET STARTED QUICK!** Address

PONY EDITOR, Dept. 537 So. Dearborn St., Chicago, Ill.

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Everything for Poultry Keepers

A friend and guide for poultry raisers. Tells you just what to do under all circumstances. Helps you over all the difficult places. Insures you the richest success. 244 pages—7½x10 inches—of money-making facts.

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Written by poultry experts. Based on actual experiences on Cyphers $75,000 Poultry and Demonstration Farm. Send for this book today. Apply its rules, suggestions and discoveries to your poultry business and make this your banner year.

See That List of Poultry Supplies?

Cyphers Company 1914 book describes, shows pictures and gives prices on every poultry need. Each article carries Cyphers warranty and is guaranteed to give satisfaction.

Ask us to send with the 1914 book our two valuable books, "Poultry Foods and Feeding" and "Cyphers Company Doctor Book." The Doctor book is new. Informs you instantly the name of any disease and the remedy. Don't wait until your fowls are sick. Be prepared, get this book, save money. We will send all three together *free of charge.* Write today.

Cyphers Incubator Co., Dept. 30, Buffalo, N.Y.

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Nodi Charcoal
Poultry Remedies
Napcreol (Disinfectant)
Anti-Fly Pest
Egg Preservative
Fumigating Candles
Drinking Fountains
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Never needs coating. An excellent fire protection. Write for Illustrated Catalog.

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New York and every large city.

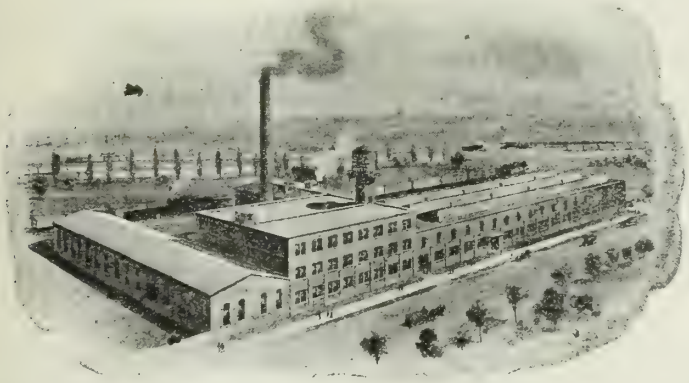
Best and Cheapest
Chicken House

Two-inch concrete walls. Circular FREE.

C. C. ROOT, 2407 Hillside Ave., Springfield, Ohio

Factory of the R. T. French Co., Rochester, N. Y.

This mammoth factory, with upwards of five acres of floor space, is the largest mustard factory in the world. It is the home of French's Poultry Mustard, the original poultry mustard in America. Year by year this great factory has been increased to supply the ever growing demand for their goods. The name "French" is an absolute guarantee of quality and this applies to their poultry mustard as well as to their full line. French's Poultry Mustard has proven its worth and has given results to the users. It does all they claim for it; it is a healthful stimulant that assures results. The R. T. French Co. have now in preparation a new book on Poultry Mustard which is mailed free for the asking and which will be of great interest to all poultry raisers.



From the first when French's Poultry Mustard was first put on the market we have been pleased to recommend it for personal use, and experiments have been highly satisfactory.—H. P. Schwab.

Owen Farms Birds.

Maurice F. Delano, proprietor Owen Farms, 107 Williams St., Vineyard Haven, Mass., desires to call special attention to his advertisement in this issue. Look it up, see the special offer he makes to all American Poultry Journal readers during July. He can supply you with birds in Buff Orpingtons, White Orpingtons, White Plymouth Rocks, White Wyandottes and S. C. Rhode Island Reds to win at the early fall fairs. They are January and February hatched and will be in excellent condition to enter in hot competition at leading fairs. Mr. Delano will also have a few early moulted cocks and hens in all varieties ready to win for you. All adult birds sold during July at just one-half the price they would have brought prior to the breeding season. Mr. Delano wants your order and guarantees to satisfy you or refund your money. This is certainly fair enough and we urge our readers to write at once for prices and further particulars. Don't forget to refer to his ad in this issue. You can save money by ordering your show stock now. Mention American Poultry Journal when writing.

How to Save Time, Labor and Money.

More poultry raisers are learning every year that they can save time, labor and money, as well as worry, when it comes to building and making the fixtures for their poultry houses. The factory made, ready built poultry houses and equipment solve the problem for poultry keepers, for they not only can buy better made, better arranged and more completely equipped houses, but the cost of such houses and equipment is less than the cost of material and labor for building. This making of portable poultry houses and hennery outfits of all kinds has been worked out to a science in manufacturing plants and that is one reason why such well built houses can be furnished at low prices. Better material is also used because it can be bought in large quantities, and in cutting up hundreds of pieces all defects are cut out of the lumber. All the worry and valuable time required for planning and building is done away with when you buy a portable building because the work has all been done at the factory. Any poultry keeper can order almost any size made up all complete ready to set up in a few hours.

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Prize winners for your fall selection are now growing big and strong and beautiful in our shady orchards. If you expect to win, get the best, that's Kelley's. GERTRUDE H. KELLEY, Breeder, Willoughby, O.

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3000 birds to sell—Great Layers. 1000 Pullets, $1.2 each; 1000 one year Hens, $1.25 each; 1000 two yea Hens, $1.00 each; 100 Cocks $1.00 each. Circular free
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Now booking orders for stock for the early fall shows. Tell me what you want.
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CURES AND PREVENTS
White Diarrhoea, Chicken Cholera and Bowel Trouble
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Grow Faster, Stronger, Larger
All poultrymen, except those who use Whiting's Remedy, know they never raise more than half the chicks they hatch—White Diarrhoea kills them. We guarantee Whiting's White Diarrhoea Remedy will enable you to raise practically every normal chick hatched.
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Grasp this opportunity to secure some of these "Hardy Canadian Bred" Orpingtons. To make room for the finest lot of youngsters I ever owned I must clear out at sacrifice prices many of my valuable breeding and exhibition Buff and Black Orpingtons. Send today for a copy of my Special Summer Sales List and get full particulars of this remarkable sale of Orpingtons. Orders now being booked for early-hatched Cockerels and Pullets for Fall and Winter shows.
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PONIES - - - from $200 DOGS, all breeds - from $60
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Ten years ago the business commenced in a tiny yard on the East Coast of Lincolnshire, England, today I hold with a varied export trade all over the world with head offices in one of London's principal thoroughfares from where the trade can be more promptly dealt with, and have probably shipped more winners of the blue to America during the last four years than the majority of the other breeders put together. Our method is to give full value for money and win satisfied customers. I have now in some breeds a greater demand than can be supplied and importers are advised to inquire early. 1914 show birds will be ready from August onwards, only address
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Any of our subscribers who are needing portable houses or poultry equipment of any kind are urged to refer to the ad of Potter & Co., in this month's paper and send for their large catalog, enclosing 4 cents in postage for mailing of same. Their address is P. O. Box F-21, Downers Grove, Ill.

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Save time, labor and expense. They bring from 30 to 50 per cent more of your chicks to maturity; swell your profits. Simplex Stoves are simple to operate, safe to use. No wick, no gas, no fumes, simple oil regulator.

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517 Main Street ATCHISON, KANSAS



1st Cockerel, Madison Square Garden, 1913



Head of 1st Pen Philadelphia

Summer Sale of Rancocas Stock

Rancocas have in their breeding yard over sixty birds that have won at such shows as Madison Square Garden and Palace Show, New York City, New York State Fair, New Jersey State Fair, Boston, Philadelphia and Hagerstown. We have hundreds of early chicks bred from them that are coming on splendidly. We propose for the first time in the history of the farm, to hold a summer sale, and to offer at reduced prices some of our record birds, together with 200 other choice specimens.

This will be an unusual opportunity to secure White Leghorns and White Rocks that have won national fame. The sale will include White Leghorn males that have won as follows: First Cock at Philadelphia, 1912; First Pen Male at Philadelphia, 1911; First Pen Male at Boston, 1913; First Pen Male at Madison Square Garden, 1910; and such famous White Rock males as Second White Rock Cockerel, Boston, 1913; Third Cockerel at Madison Square Garden, 1913; Fourth Cockerel at Madison Square Garden, 1913, and Fourth Pen Male at Boston, 1913. This sale will include many other record birds and choice breeders. Write for our summer sale catalog.

RANCOCAS POULTRY FARMS
Box 510 Brown's Mills, N. J.

Twenty-five Years in Business.

There are but very few poultry breeders in this country who can boast of being in business as long as C. C. Shoemaker. There must be a reason when a firm can survive the ups and downs of a business of such peculiar nature as the poultry industry.

Their remarkable growth and great sales record could only be made by delivering the goods, and that they do it in fullest measure is proven by the thousands and thousands of testimonial letters on file at their office.

Just now they are offering in their half-page advertisement on another page eggs at reduced prices, some of them at less than half the original spring prices and from the same pens from which they sold the eggs in the earlier part of the season.

It is not too late for hatching purposes, and good healthy chicks can be hatched and raised during July and August and even as late as September. If you have never tried it, it will pay you to take advantage of the remarkably low prices for high-class eggs which they are offering.

Address C. C. Shoemaker, Box AB, Freeport, Ill.

Hartford, Wash., Sept. 4.

Mr. C. C. Shoemaker, Freeport, Ill.

Dear Sir: I hatched 23 chicks out of 26 R. I. Red eggs, having kept the eggs ten days before I could place them under incubation. These chicks are beauties. You will get some more orders within a short time. I like your way of handling orders, as you are very prompt. Yours very truly,

James Sherwood.

Yonkers, N. Y., Sept. 15.

Mr. C. C. Shoemaker, Freeport, Ill.

Dear Sir: I received the two sittings of Barred P. Rock eggs, and not one egg was broken on arrival. I now have 23 of the nicest little chicks you ever saw out of 26 eggs, which is an excellent hatch.

Yours very truly,

Edward Randall.

Glencoe, Minn., Aug. 8.

Mr. C. C. Shoemaker, Freeport, Ill.

Dear Sir: I must let you know that I have ten chicks out of 12 eggs of the B. P. Rocks, and am certainly well pleased with them. One egg got crushed so only had the 12 eggs to incubate. Yours very truly,

Mrs. E. Tucholke.

———o———

Louisville, Ky., Nov. 21, 1913.

H. I. Co., Salem, Va.

Enclosed find $1.00 in payment for bottle of "Oculum" sent me in November, 1913. I have waited this long in paying because I wanted to see what it would do for my chicks, as I have been losing 50 per cent and more every spring and was about ready to quit trying to raise them until this spring. I wrote you for your remedy and used it as directed (that is, injected it) and have only lost four chicks to date out of 100 chicks, and as the eggs have always been strongly fertilized, and have used the same methods of hatching, I am forced to admit that "Oculum" did it.

Thanking you for waiting on me so long, I am, Yours very truly,

J. Albert Lloyd,
1015 Sylvia Ave.

STATE OF NEW YORK)
) ss.
COUNTY OF ULSTER:)

This is to certify that my White Orpington pullets, Exhibition Strain, are now laying, having commenced at the age of four months and fifteen days.

Peter A. Demgar.

Subscribed and sworn to before me this 9th day of June, 1914.

Joseph Acritelli,
Notary Public, Ulster Co.

Granock Farms, Stewart Haddock, Proprietor, Poughkeepsie, N. Y.

The Granock Farms S. C. White Leghorns have characteristics all their own, combining beautiful form with size and absolutely pure white plumage; there also is their winning quality and records made in the past prove their worth. This past season we were particularly pleased to see this line shown at the leading shows and at each winning consistently, at the great Grand Central Palace New York Show, Buffalo, Boston and Philadelphia.

While we regret that we haven't at this time a complete list of their winnings at hand, we know enough of them to assure our readers of their quality, fit to be seen in any company. At the late Philadelphia show, Mr. Haddock, beside winning first pullet, was also awarded the medal for best pullet in the entire show, and we also believe he won a similar special at Buffalo. Both were large, strong classes with royal competition.

We expect later to visit this farm and will then attempt to do justice to this line by telling our readers all seen there.

Mr. Haddock is now offering at special prices a share of his breeding stock for sale. Those in want of reliable stock no doubt will be interested. Write him for prices and for particulars, and always mention the A. P. J.—H. P. Schwab.

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They kill chicks, torture hens and reduce profits. Apply PRATTS LICE KILLER (Powdered). It kills lice instantly.

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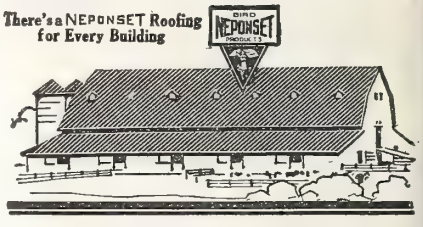
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It knocks these thieves out *quick.* Will not injure eggs, hens or chicks, nor soil plumage. Sold in 10c, 25c, 50c and $1.00 sizes. Latest copy of Lambert's "POCKET BOOK OF POINTERS" for 2c stamp.
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WRITE S. W. MORTON, Secretary American Java Association, Albany, N. Y., for list of leading breeders. 3-8

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LAKENVELDERS—MYERS' SENSATIONAL, beautiful fowls were winners of five firsts, Chicago, 1912, and four firsts, Freeport, Ill. Catalog free. Frank Myers, Freeport, Ill. 5-7

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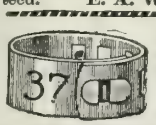
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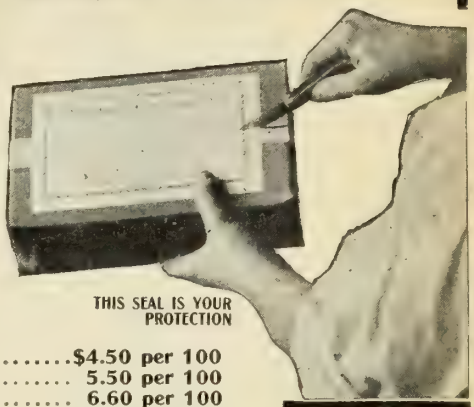
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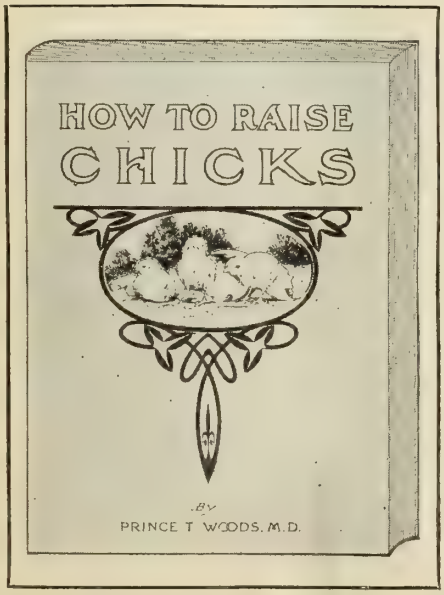
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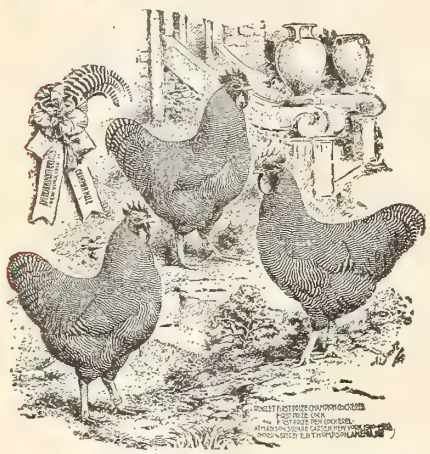
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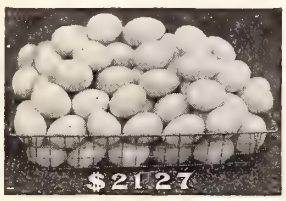
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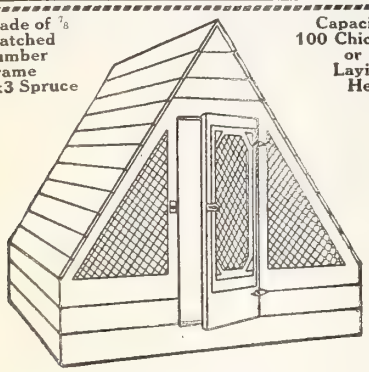
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Big book ad on page 1059

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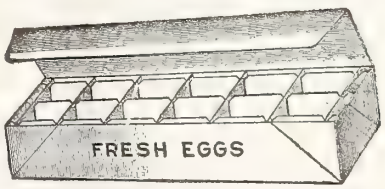
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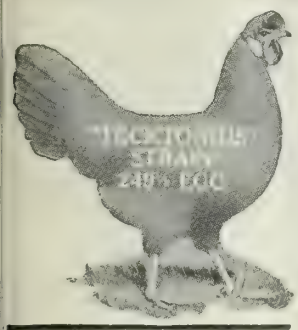
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On page 991 will be found an interesting announcement regarding the great Am. Poultry Year Book!



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White Wyandottes

have the reputation of winning the most coveted prizes at the Fall Fairs and early winter shows.

I can supply you with birds that will not be overlooked by any judge. Birds that possess the proper qualifications—broad back—deep body—well spread tails and perfect head points.

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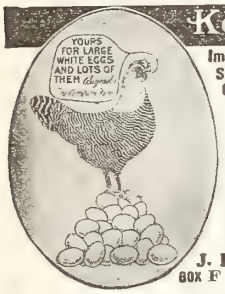
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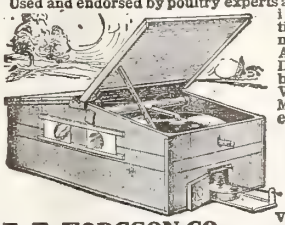
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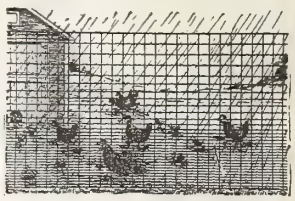
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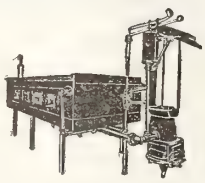
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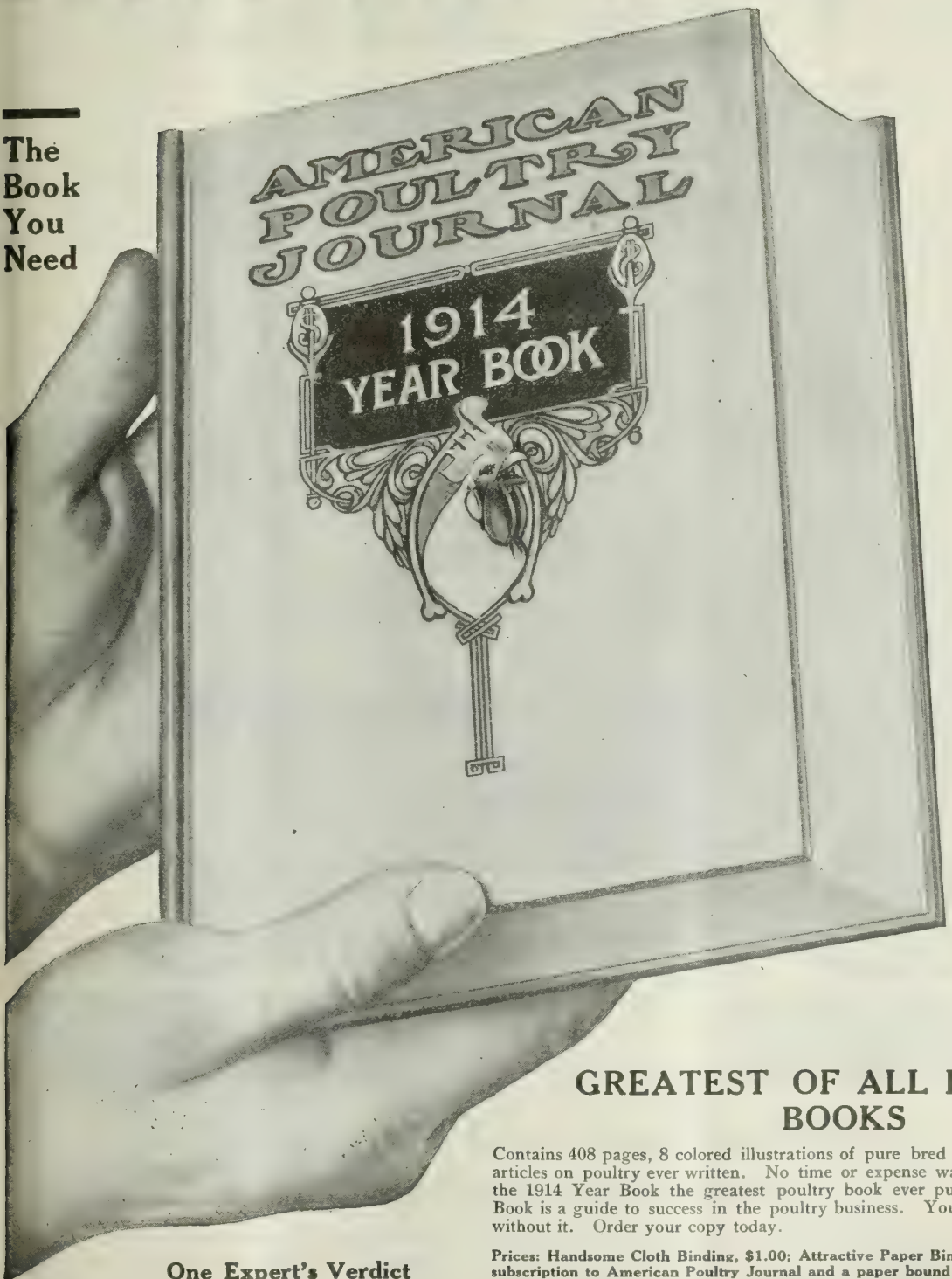
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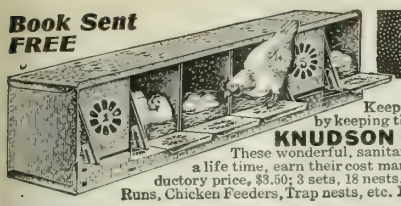
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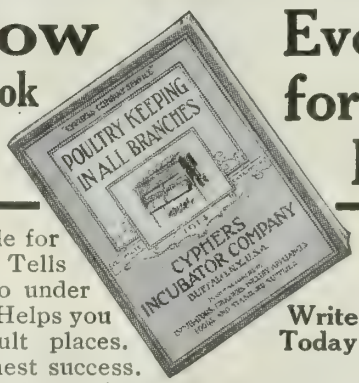
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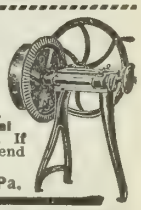
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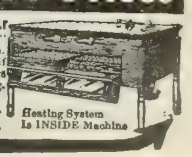
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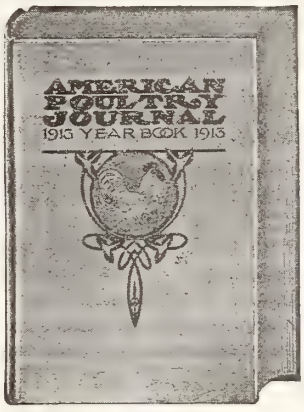
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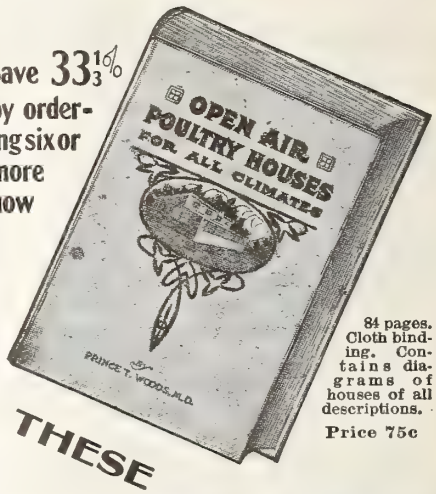
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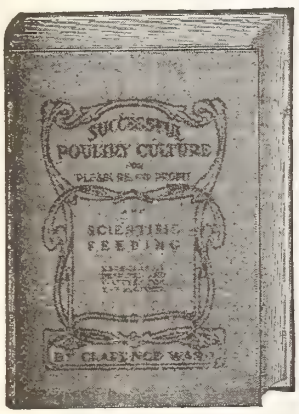
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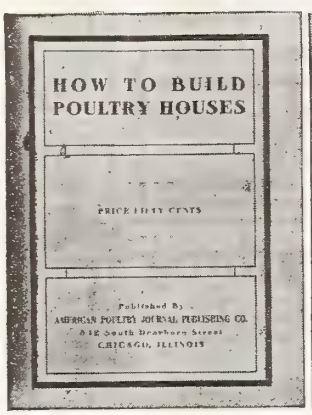


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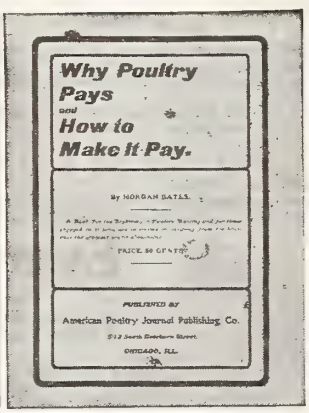
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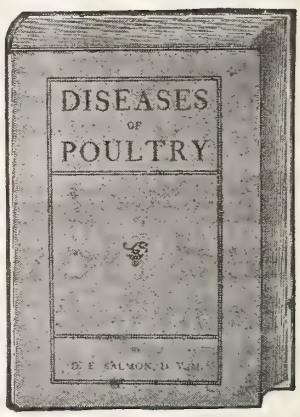
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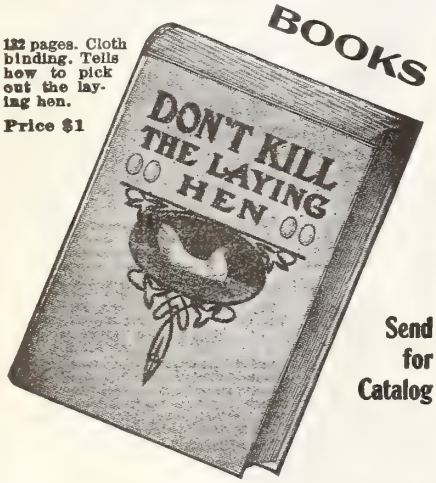
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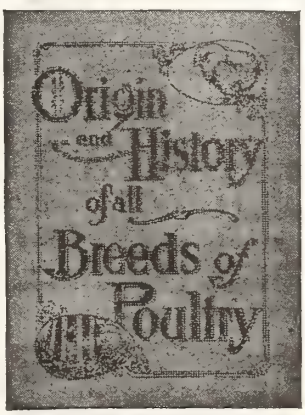


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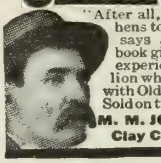
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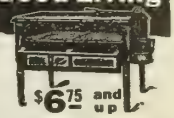


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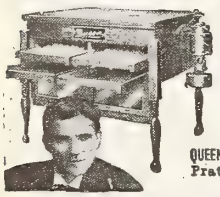
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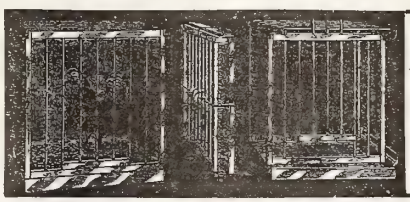
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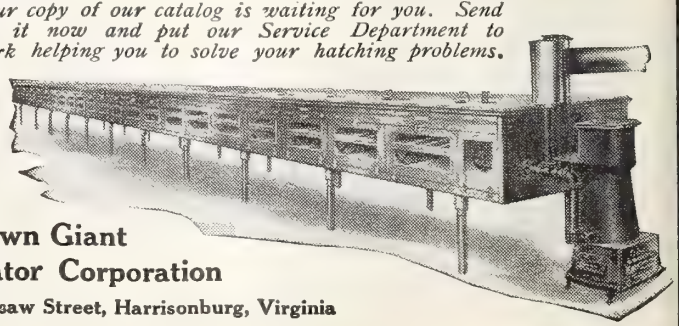


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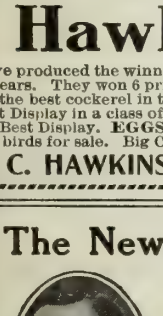
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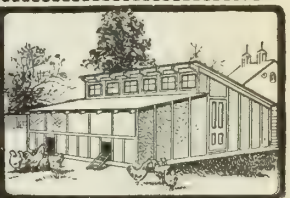
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AMERICAN POULTRY JOURNAL

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Poultryman's Practical Dispensatory

Chapter III.—How Soda and Magnesia Can Serve Us—The Different Kinds of Sodium and Magnesia and Their Uses Described

By J. H. Petherbridge



SODIUM, one of the alkali metals of universal distribution in nature, is always found in combination, as, for instance, the solid crusts found at the bottom of salt lakes in Armenia are 16 per cent carbonate and over 80 per cent sulphate of sodium; in Wyoming, California and Nevada are found enormous deposits of carbonates, mixed with the sulphate and chloride. All soils contain small proportions of sodium in soluble forms and sodium salts are essential ingredients in animal fluids.

In the form of the carbonate and bicarbonate, soda was formerly obtained mainly from the ashes of marine plants and our supply of same largely imported. As late as the '70s our annual importation from Great Britain alone ran over 20,000 pounds. Now we import practically none, for by Yankee research and experimentation we are able to produce by artificial processes and chemical reactions a better and purer product at less cost.

Carbonate of Soda, familiarly known as sal soda or washing soda, appeals only to the poultryman as a cleansing agent, its medicinal value being better exhibited in the bicarbonate.

Galvanized iron hoppers, troughs, brooders and drinking fountains are coming into more general use and are to be commended for cleanliness and durability, but they nevertheless demand occasional thorough cleansing. Make a strong solution of sal soda in a tub of hot water, immerse the utensils to be cleaned and allow to soak until the water is cool enough to handle; with a small mop (for sal soda is bad for the hands) wash thoroughly in the soda water, rinse in clean water, and set in the sun to dry and sweeten. You can clean a tin can that has held rancid castor oil by this method and I know no other cheap cleaner that will accomplish this.

Bicarbonate of Soda, better known as baking soda, being milder and more acceptable to the stomach than the carbonate, should always be selected for internal use or external application. It is preferable to the same salt of potash, as a simple alkaline remedy and antacid, because soda being the natural alkali of the blood and other liquids of the animal organism, has no general effect on the system.

If from overfeeding or through the consumption of fermenting grain or soured mash, any of your birds give indication of having a "sour crop" with resulting acidity of the stomach and intestinal contents, nothing will give them speedier relief than a teaspoonful of a solution of one dram of baking soda in an ounce of water. Two or three doses at intervals of three hours should relieve the condition.

Sodium Borate, or borax, too well known for its household utilities for a repetition in this place, but its value as a poultry remedy has not been so generally recognized and calls for brief mention:

The properties of borax that recommend it in poultry "practice" consist in it being poisonous to the lower forms of life, as exhibited in vegetable parasites, its antiseptic qualities and its soothing action on the mucous membrane, borax being nearly free from irritating properties. Borax being only slightly soluble in water, when so used as a wash, should be a saturated solution—that is, all that the water will dissolve.

In treating favus or any scaly diseases of the skin, the head, the neck and any other parts of the body showing the scale or effects of same, as the loss of plumage, should be thoroughly washed with borax water and dried before applying the healing ointment or oil with which you finish the treatment.

Borax water is further recommended for a wash for conjunctivitis, an inflammation of the membrane lining the inner surface of the eyelid, and to swab out the mouth and throat in ulcerated conditions. In the preceding suggestions, if you prefer, in place of the borax, you may substitute boric or boracic acid—five grains to the ounce of water. The therapeutic action of the acid is identical with refined borax, but the latter costs less and is usually on hand.

Sodium Silicate, the popular and trade name for same being water-glass. As an egg preservative, for the market poultryman of moderate production, the most convenient, economical and efficient cold-storage trust buster available. Eggs preserved in water glass for three months should in every respect compare favorably with strictly "fresh laid," provided they are fresh and clean when placed in the preservative solution. Preference should also be given to infertile eggs.

One gallon of water-glass, costing 50 cents, in 10 to 15 gallons of water, should be sufficient, in a suitable receptacle to cover 50 dozen eggs, hence it should not cost over 1c a dozen to hold a few hundred dozen over a falling market

The water used for mixing with the water-glass should always be boiled, allowed to settle until cool and then decanted (drawn off with a syphon). In insisting that only clean eggs be preserved, it was not intended that they be made clean by washing. This must never be resorted to in any method of egg preservation. The water-glass solution should overflow the top layer of eggs at least two inches.

Sodium Chloride (Common Salt), recognized from the earliest antiquity for its essential usefulness to man and beast; frequently referred to in the Bible, both literally and figuratively, called "divine" by Homer and referred to by Plato as a "substance dear to the Gods."

We all recognize the necessity of giving our domestic animals either ready access to salt or incorporating a small

portion in the food. Do we do it simply because we feel that they have an instinctive relish for salt, that it will increase their food consumption by rendering it more palatable, or do we understand that salt plays a most important part in assimilation and nutrition?

Salt is credited with materially increasing the number of red corpuscles in the blood and being instrumental in the upbuilding of the weight and strength of the body. If this be so, it tells us that though we may with no dire results occasionally omit the modicum of salt from the mash prepared for the adult birds, the omission as regards the growing pullets and cockerels may be more serious.

It is possible, however, to give salt in excess; if made a regular addition to the mash, one-fourth pound to a hundredweight of mash is ample for health and nutrition.

Salt assists digestion by furnishing chlorine for the hydrochloric acid necessary to the gastric juice.

Sodium Sulphate (''Glauber'' or ''horse salts''), although still employed by some veterinarians, has been largely superseded by Epsom salts, the latter being milder in action as an active cathartic and less disturbing to the general system. It is not recommended for poultry.

Salicylate of Soda—Its action and therapeutic value is identical with salicylic acid, and we will refer to it in some future article treating of acids. The bromide and the iodide of sodium are occasionally referred to by the medical advisors of the poultry press, but I consider these two salts better exhibited in potash and both of doubtful utility to poultry practice, when the cost of their administration is considered.

Magnesium.

Isolated, magnesium is a brilliant white metal, resembling silver, and burns with the greatest facility, yielding an intensely white light, and yet so wonderful are the metamorphosis wrought in nature's laboratory, in its union with silica, furnishing the arts and industries with the best known non-conductors of heat and fire resistants.

Magnesium is found in all parts of the world; the versatility of its physical appearance is represented by the soft, unctuous soapstone or talc through all gradations of texture to the hard serpentine rocks. To the silicate of magnesium we are indebted for our meerschaum pipe as well as the talcum of our toilet.

The modern wizards of commercial chemistry are giving us from magnesia and its salts, asbestos shingles for our roofs, firebrick for our furnaces, artificial stone and plaster for our walls, and tile for our hearths. From the hard serpentine rocks of Pennsylvania to the cryolite of Greenland and the magnesite of Europe and Asia, they are extracting practically all the salts of value of magnesia, soda and aluminum.

Carbonate of Magnesia—The oxide and carbonate, as far as utility and general characteristics, are interchangeable terms and familiarly known as ''light magnesia,'' ''calcined magnesia'' and ''lump magnesia.'' Both are excellent antacids and laxatives, but not well adapted for use with poultry, the bulk of an effective dose being too great for convenient administration and the further objection that they are without cathartic action in the absence of acid secretions in the stomach and intestines; this is why in human practice lemonade is recommended as a ''follow-up'' to a dose of magnesia.

There may, however, an emergency arise in your experience, when it will be well if you remember that magnesia is valuable as an antidote, as it forms insoluble compounds with oxalic acid and the salts of mercury, arsenic and copper.

Sulphate of Magnesia (Epsom Salts)—The one magnesia salt the container for which in the poultryman's medicine closet should never be permitted to remain empty. This well-known home remedy received its common name from Epsom, England, where it was first produced in 1675 by evaporating the saline spring waters that distinguished that locality.

Later it was discovered that the brine remaining after the crystallization of common salt from sea water furnished precisely the same product and being cheaper it soon superseded the ''Epsom'' source of supply, but the name has been retained.

Epsom salts are now, however, manufactured largely from the magnesium rocks. Aside from its medicinal use, it is used for weighting cotton fabrics, setting dyes, and whitening paper pulp. And in this connection, allow me to suggest that if you wish to secure brilliancy of finish and increased whiteness in your next application of whitewash, to every ten gallons of wash add two pounds of Epsom salts dissolved in hot water.

Epsom salts are well known as a safe, active cathartic, operating with little pain and nausea. They are more acceptable to the stomach than most saline cathartics and are retained when others are rejected. Particularly desirable as a laxative and cathartic in treating poultry, because it may be dissolved in hot water and the solution used to moisten the mash, thus ensuring a fairly even distribution among the flock and yet avoiding the labor and saving the time for individual dosing.

The dose should be from half to an eighth of a teaspoonful of the salt for each fowl, depending upon whether an active thorough purge is indicated or only a mild laxative action. And it is as the latter, administered periodically to all ''shut-in'' flocks, that I desire to urge the employment of Epsom salts. Where but one or two or a limited number of birds give indication of an acute disease of intestinal character, as diarrhoea, congestion or inflammation of liver, enteritis or limber neck, and an active, speedy cathartic is needed to thoroughly evacuate the bowels, in preference to salts I would recommend a teaspoonful of castor oil poured down the throat of the individual afflicted bird; however, as such an active purging is apt to be followed by constipation, it will be well for several days following to mix a small laxative dose of salts in the mash.

Birds on free range, during the green-growing months of the year, require no laxative drugs nor, for that matter, rarely any other dope. Animals in their natural habitat make no mistakes of diagnosis and in the open readily discover the medicine they require.

During the shut-in period, and under the artificial environment that many flocks must live in from incubator to oven, they are dependent upon us for the service they are barred from performing for themselves. As many and possibly more eggs can be produced from housed and penned poultry, but on the other hand you increase their susceptibility to many disorders to which they would be entirely immune on free range and enhance the practical value of suggestions here offered.

Within a month from the time of confining your birds to the laying house and scratching shed, I would recommend that for every six birds in your flock you dissolve a teaspoonful of Epsom salts in hot water and with the solution moisten the morning mash every fourteenth day during the entire shut-in period. Whether the droppings appear normal in color, consistency and quantity need not be considered for the gentle laxative dose advised can do no harm to apparently healthy birds. The fact of the case is, that whereas we at once recognize abnormal conditions of color and consistency in the droppings and from other indications are able to detect the individual responsible and isolate her for special treatment, a condition of constipation in the flock may often continue for some time without notice.

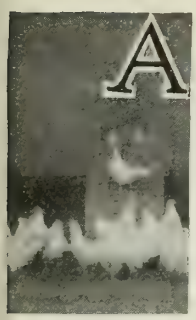
This condition is particularly menacing as spring approaches, not because of the coming of spring but because of the culminative effect of a winter of heavy feeding, limited exercise and possibly an insufficient supply of succulent greens. Spring calls loudly for bodily cleaning as well as housecleaning and the whole process of the former activity centers around elimination. The winter's accumulation must be cleaned out, the liver made active and the blood revivified, and no artificial remedial agents will do better work or give quicker results than laxative, alternating doses of Epsom salts and flowers of sulphur in the mash with due regard to a judicious, gradual change to a lighter ration.

If you deem the bi-monthly dose of salts during the winter months unnecessary, I urge strongly that in the early spring you resort to it bi-weekly for a month and the days that you do not use the salts incorporate a tablespoonful of flowers of sulphur in each quart of mash. It is not only safe, sane and timely treatment but largely preventive of many summer ills.

Maintaining the Vigor of Your Flocks

The Relation of Simple Biological Principles to Success in Raising Poultry—The Fundamental Factor of Vigor

By James B. Morman, Kensington, Md.



AS A SCIENCE biology lies at the basis of successful animal breeding, since it deals with the production and development of animals. Only to a minor extent, however, have the principles of biology been applied to poultry raising. This is hindering that development of the industry which its importance as a source of staple food supplies deserves. By the application of biological principles to poultry raising, the aim is to procure a larger supply of both poultry and eggs without any increase in cost or of labor. Therefore, when the extent and value of the poultry industry are taken into consideration, the aim sought to be accomplished has a national economic significance.

The Fundamental Factor of Vigor.

There can be no long-continued success in animal production without the maintenance of vigorous stock as progenitors. With poultry, the effects of vigor are shown in the fertility and hatchability of eggs and in the production of healthy offspring. Both have an important bearing on raising to maturity a larger number of fowls. This is the first step in increasing our supply of poultry without any material increase in cost and with little extra labor. If all the eggs that are naturally and artificially incubated were to produce strong, healthy chicks, and if all, or nearly all, these chicks were raised to maturity, our supply of poultry would in all probability be more than doubled every year. The losses from infertility and lack of vigor in the germ, causing the chick to die in the shell, are annually enormous. If to these losses be added those chicks which die after being hatched as a result of a lack of vitality, the drain upon the development of the poultry industry cannot be computed. In such cases the eggs, the feed and the labor become a total loss. If all could be saved, there would be a great increase in the supply of poultry with little practical increase in cost of production.

From the producer's point of view, the law of supply and demand is frequently invoked as an argument against increased production on the ground that it would lower prices and decrease profits. But where the producer of poultry and eggs can greatly increase his supply without much increase in cost for feed and labor, his profits would be increased even if the prices of products should fall slightly. Moreover, an increased supply produced under the conditions would have a national economic importance by giving the consumer cheaper and better poultry and eggs. The significance of the aims, therefore, where all are benefited and no one injured, can hardly be called into question.

Biology applied to poultry raising seeks to accomplish these results. It is now quite generally recognized that health or vigor is the primary factor in the prevention of losses. A chick with an inherited weakness takes time and attention, and generally results in a loss. If such a chick survive, it is not likely to be profitable as an egg producer and it is practically unfit for breeding purposes because of the almost certainty of diminishing the vitality of the progeny through the principle of inheritance. For weakness as well as strength can be inherited. It is very important, therefore, that the poultry keeper select the most vigorous specimens of his flock of both genders for mating. In this way the vigor of the progeny is likely to be maintained by means of inheritance. It is the strongest chicks which survive under domesticated conditions which in no way differ from natural conditions where the strongest survive in the struggle for existence.

The Transmission of Vital Energy.

But the law of natural selection, which regulates the number and vigor of species in the organic world, has been augmented by conscious artificial selection in the breeding of domestic animals. At the same time, the natural law has not been and cannot be superseded by artificial selection without endangering the vitality of the offspring. In poultry breeding this danger is especially pronounced because to artificial selection of the breeding stock there have been added artificial incubation of the eggs and artificial brooding and feeding of the hatched chicks.

As an aid to natural means of production, poultry raising is the one industry where artificial methods are now extensively employed. To meet the growing demand for poultry and eggs, caused by the rapid growth of population, artificial incubation and brooding have been developed. But the increase in artificial supply is thus secured at the expense of vitality and physiological energy. Artificial incubation and natural incubation of eggs are not the same as regards the transmission of energy. Physical heat plus moisture in artificial incubation is not equivalent to the transmission of vital heat and energy in the natural process of incubation. The difference is great enough to account for the poorer results obtained under artificial incubation as to the hatchability of eggs and the vitality of the resulting chicks. The latter factor is also important in its bearing on later losses which may not only be discouraging, but even financially ruinous.

If no care is given to the selection of breeding stock, and if the eggs from such indifferent matings are artificially incubated, these two factors account for more loses in the poultry industry than all other sources of loss put together.

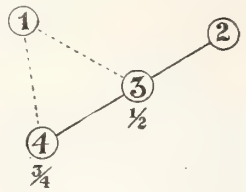
The successful poultryman recognizes the importance of natural incubation for the production of strong chicks and its bearing on the development of vigorous stock, though



First White Wyandotte cockerel, Chicago, 1914. Owned by Fred B. Keifer, Marshall, Ill.

he may not always understand the biology of the process. For the production of breeding stock natural incubation is preferred. Lack of knowledge of the biology of generation, however, frequently leads to erroneous conclusions regarding the effects of inbreeding or line breeding. Diagrams are presented to prove that by this system one may go on breeding indefinitely without injury to the vitality of the flock. This is exceedingly dangerous teaching. I note below the first two steps of a diagram and its explanation from a pamphlet issued by a poultry and pigeon association to

which the writer belongs, which advises the breeder to begin with birds that have not been too closely bred or inbred. The explanation is as follows:



Line Breeding.

"A good strain can best be perpetuated and improved by an intelligent system of line breeding. Study the chart. Be sure and begin with strong, vigorous birds—those that have not been too closely bred.

"Begin at the top. Note that the male is always represented by a solid line, the female by a dotted line. Each circle represents the progeny, namely:

"No. 1 mated to No. 2 produces group No. 3, which is one-half the blood of sire and dam.

"A male from group No. 3 mated back to his own dam (No. 1) produces group No. 4, which is three-fourths the blood of the dam (No. 1) and one-fourth the blood of the sire (No. 2).

"The fractions illustrate relationship between new groups and the original birds.

"Follow this plan on down and we have in No. 16 the new strain, and in No. 18 the strain of our original sire No. 2, thus giving us three distinct strains, and by this system we may go on breeding indefinitely."

All of which is mathematically and biologically impossible. The fallacy lies in the assumption that the first group of offspring contains "one-half of the blood of sire and dam;" that the second group contains "three-fourths the blood of the dam (No. 1) and one-fourth the blood of the sire (No. 2);" and so on through every step of the process until we reach the astounding statement that, after seventeen steps of degeneration, we reach in the eighteenth step the original strain of generation.

As a matter of fact, there is no transmission of blood in the mating of poultry. In the incubation of eggs, blood does not form for a long time after the process has been in active operation. But there is a transmission of vigor, which is due to the fact, as ascertained by Fol, Selenka and Balbiani, that the most agile and stoutest male germ performs the process of fertilization. This transmitted vigor is maintained throughout a normal and natural period of incubation by the transfer of vital energy from the hen to the egg. But the vital energy thus transmitted varies with the vitality of the hen, and this in a measure accounts for the variation in the incubation period, which may run from 19 to 22 or 23 days, and in the vitality of the resulting chicks. It is important, therefore, to have not only vigorous parent stock for egg production, but also to select hens with a strong constitution for hatching purposes.

Even under the most careful precautions with reference to the selection of breeding and hatching stock, some chicks will be hatched with a lack of vitality and these may die sooner or later. The same thing takes place among birds under natural selection. But losses from this cause are reduced to the minimum by care in selection, and the resulting losses must be accepted as the necessary incidents of poultry raising.

The Maintenance of Vigor.

In scientific and successful poultry breeding, evidently the main problem is to maintain the vigor of the fowls. How can this best be done? The answer of biology is to introduce a new strain of the same breed at least once every two years. If this plan be carried out, results ought to be seen in the fertility and hatchability of the eggs produced by the breeding stock and in an increase in egg production up to the limits set by biology and physiology.

It has been my practice for many years to introduce a new strain as often as every two years and to use hens only for hatching. In proof of the importance of changing strain frequently by introducing new dams or new sires, I append the essential features of my hatchings to May 1, 1914. The record is as follows:

Date set 1914.	No. of Eggs.	Live Chicks.	Dead Chicks.	Infertile Eggs.
Feb. 7.....	13	13	0	0
Feb. 14.....	13	10	1	2
Feb. 28.....	12	8	4	0
Mar. 7.....	13	9	2	2
Mar. 17.....	11	10	1	0
Mar. 28.....	16	14	1	1
Apr. 1.....	15	15	0	0
Apr. 5.....	15	14	1	0
Apr. 5.....	13	10	3	0
Apr. 7.....	12	9	3	0
Apr. 10.....	14	14	0	0
Total	147	126	16	5

The number of eggs set varied with the time of the year, the size of the eggs, and the size and judged vitality of the hen—all these factors being taken into consideration for successful hatching.

Of the 147 eggs set only five were infertile and these were from among the earliest settings when the fowls were more or less inactive on account of cold weather. The eggs were all from pullets crossed with cockerels. The dead chicks, of which there were 16, include those in all stages of development and dead in the shell as well as those actually hatched and crushed under the hens. The 126 live chicks represent those actually given to the mothers 24 hours after being hatched.

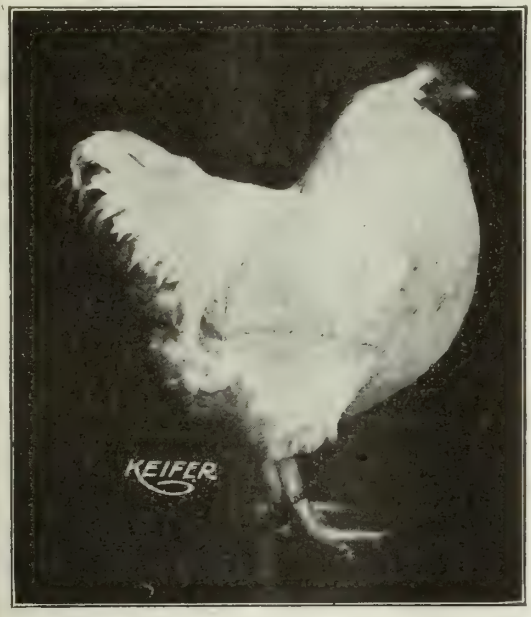


First Prize Black Orpington Cock at Tampa, Fla., the past season. Owned by J. H. Wendler, Lakeland, Fla.

Of the eleven settings there were three perfect hatchings and four with only the loss of a single chick from the fertile eggs. It is impossible to tell whether the death of the chicks in the shell was due to lack of vitality in the germ, to exposure of the eggs by the hen remaining off the nest too long or not properly covering them, or to a lack of vital

nergy on the part of the setting hen. But when the time the year and other conditions are considered, the fertility nd hatchability of the eggs are high—results I attribute to ne maintenance of vigor by out-crossing.

With chicks hatched from eggs of vigorous stock by the atural method, the likelihood of losses thereafter is very ttle. Frequently in my case the losses from weakness or ckness are few, and I have gone through a season without ne loss of a chick. The best preventive against losses is



rst White Wyandotte cock, Chicago, Jan., 1914. Owned by Fred B. Keifer, Marshall, Ill.

us shown to be the inheritance of health by the mainnance of vigor along biological lines.

Effect on Egg Production.

In all probability, the most important economic result of aintaining the vitality of fowls is in egg production. If, better breeding methods alone, the egg production of cks can be increased without adding to the cost of the ed bill or to the amount of labor bestowed, the producer ll reap an increase in profits. To accomplish this by the plication of biological principles in breeding has been my m for many years.

The healthy active hen is the most promising egg proicer. The process of reproduction is a most delicate biogical function which is extremely sensitive to a decrease vigor in the fowl. A hen or pullet with a weak constituon may either not lay at all, may lay soft-shelled eggs, or ay lay eggs only occasionally. In either case she would t pay her board bill and would be more or less of a losing nture.

The work of the Maine Experiment Station for a period vering ten years sought to bring about an increase in ck production of eggs by following the inbreeding method. t, in reviewing the work in Bulletin 192, the statement is ade that "so far from there having been an increase, ere was actually a decline in mean egg production conrrent with the selection, taking the period as a whole." t with a flock whose vitality has been maintained by ientific breeding along biological lines, two tendencies be- me clearly manifest, namely, early laying and prolonged ying. The net result of both tendencies is to give an crease in egg production.

By experiments conducted in 1911, I ascertained that the rmal period before the average White Plymouth Rock llet begins to lay is seven and one-half months. But, by stematic out-crossing and selecting as breeders pullets hich laid in less time, I had before 1911 reduced the time beginning to lay to five months four days. Layers at out six months of age are of frequent occurrence. To ke a simple illustration.

I hatched a group of chickens on August 21, 1913. The pullets began laying from February 20 to 27, 1914, or in about six months. The eggs from these pullets were set March 28 and April 1 and 5, the pullets having been mated with a vigorous cockerel a little older of a different strain. Of 46 eggs set there were 43 live chickens hatched, one was killed in hatching, one was dead in the shell, and one egg was infertile. Thus, within eight months from the time these pullets were hatched, I had produced two broods from them. The statement shows that the hatchability of the eggs was high and the chicks were very vigorous. Among the popular theories about hatchings are two, namely, that a large percentage of pullets' eggs are infertile and that poor hatchings follow from mating pullets with cockerels. But both theories are shown to be erroneous, and the vigor of the breeding stock has much to do with both good and bad results.

While the direction of increased vitality is not within the control of the breeder, the general tendency, I believe, is for the increased vitality to follow the lines of least resistance, both biologically and physiologically, when fowls have been bred from early layers. As laying relates to the functional activities of the ovaries, an increase in vigor shows itself primarily in prolific laying. On this basis it is reasonable to expect and possible to secure an increase in flock production of eggs. If pullets have been bred from early layers but the sires of the new strain are not descendants from early layers, there is likely to be a loss in this characteristic; but, from the biological point of view, loss in early laying should at least be offset by gains from prolific laying as a result of introducing a new strain. So that, taking it from year to year, there ought to be no material decrease in egg yield as a result of changing strain, but in fact a slight gain in egg production might be expected.

The best proof of this contention as to the value of maintaining the vigor of laying hens on their egg production is shown by the following egg records for a number of years.

Since 1904 my flock of White Plymouth Rocks has been kept at about 50 fowls, of which nearly half were pullets and the balance hens. For the first three years no new strain was introduced, and the vitality of the flock was lowered, as shown by poor fertility and hatchability of the eggs and by a decrease in egg production.

In 1907 a new strain of males was introduced and a system of selection of the most vigorous and best-laying fowls was begun. The egg production in 1907 is taken as typical of the effects of inbreeding and as a means of comparison for succeeding years. The egg production each year was as follows:

1907—3,966 Eggs.

1908.....5,135	1911.....5,573
1909.....5,511	1912.....7,314
1910.....5,499	1913.....6,197

These figures furnish a conclusive argument as to the importance of biology in breeding for egg production. The very high egg record in 1912 is partly due to the fact that the flock contained 34 pullets and 20 hens, being practically a reversal of the numbers of preceding years. The record has a tendency to prove the advantage of pullets over hens for egg production. In 1913 the flock consisted of 26 hens and 27 pullets at the beginning of the year. The drop in egg production is attributed partly to the less number of pullets and partly to the fact that many of the fowls were sold before the end of the egg year to make room for 54 pullets with which a test on egg production is being made in 1914.

With the results of ten years of breeding work on flock production of eggs thus laid before the readers of American Poultry Journal, they seem to the writer to point to a definite bearing of biology on the future of the poultry industry. The difficulties of artificial selection, incubation and brooding are to be met by the maintenance of the highest vigor in the breeding stock. In addition to the ordinary precautions of good care and management as to the feeding and housing of flocks, the introduction of a new strain at least once every two years ought to go far toward solving some of the most important problems now confronting American poultrymen.

Would Officially Register Poultry

Missouri Station Pathologist Suggests Plan to Pedigree Standard Poultry That American Poultry Association May Find "Worthy of a Thought"



THE FOLLOWING LETTER and article on "Registering Poultry" from C. T. Patterson, pathologist of Missouri State Poultry Experiment Station, clearly present a matter that interests many poultrymen and one that the American Poultry Association may find "worthy of a thought." We will be glad to have comment from interested readers.

Mountain Grove, Mo., June 16, 1914.
Editor American Poultry Journal:

I am sending you herewith a copy of my plan of "Registering Poultry." It is not all theory, as I worked out the pedigree system a year ago for the Missouri State Poultry Experiment Station at Mountain Grove, Mo., and this season we have pedigreed about twelve thousand baby chicks and find it very satisfactory. The register part is theory.

My plan for bookkeeping is to make carbon copies of each certificate sent out, which serves as my record. The band numbers must correspond with the certificate.

By having charge of birds from all parts of the world wearing different makes of leg bands, and trying out sample bands and using thousands of bands in regular work I have perfected a band which I believe particularly suited to pedigree work. It is my plan to use this band for a register band and never use it for any other purpose.

I believe the American Poultry Association should take hold and endorse a proposition of this kind, as Poultry Registration should all be from one office, and, to get it fairly started, it should be worked on the per cent. basis, the Official Registrar receiving a certain percent. of the fees charged for registration.

I think a registration system with proper rules governing would be a great step in the right direction toward improving our poultry.

Very respectfully,
C. T. PATTERSON, Pathologist.

REGISTERING POULTRY.

By C. T. PATTERSON.

Just why poultry is not registered is a question yet unanswered. Many comments have been made on the subject, the conclusions usually being that it would be a good thing but there are two great drawbacks. One is not knowing the sire and dam, and the other the opportunity for faking or dishonesty.

Upon entering a discussion of this subject we should recognize a few fundamentals.

First, that all good moves have their knocks and kickers.

Second, that all businesses and professions have some fakers, crooks and swindlers.

Third, that dishonesty must be curbed by laws.

Fourth, that if a registration system is good for horses, cattle, sheep and hogs, that it would be good for poultry for the same reasons.

Fifth, that the success of any registration system will depend upon the pedigree system, which is its foundation.

Recognizing these as facts and that the registering of poultry is an honorable, legitimate business which has for its purposes the upbuilding of the poultry industry, the writer will present a pedigree and register system which articulate very nicely.

Ten hens should be penned with one male at least twenty days before the eggs are to be incubated. Each hen must be caught in a trap nest and upon being released her leg band number to be placed on the egg.

Each egg must be hatched in a cell by itself, and the number on egg placed on chick's leg band. If chick's leg band is lost its identity is lost.

In numbering the pens, cockerels and hens, the pen number and cockerel number should be the same, while the hen's numbers are the same with the individual hen's number to the right. For example, take pen number 28. The cockerel's number is 28, same as the pen. The hen's numbers are 280, 281, 282, 283, 284, etc., to 289. You see every bird has the pen number on it and every hen has the cockerel's number as well as her individual number, to the right. If more hens are used in pen, letters are to be used instead of figures for hens' numbers, as 28A, 28B, etc.

A chick with 287 on its leg band shows it to be a chicken hatched from pen 28, from hen No. 7, and sired by ockerel 28.

A period is used to the left of pen number, and to l t of period is placed the year and to left of the year n ber the number of the month, as 314.287. This shows it to e a chick hatched in March, '14, from cockerel 28, and l n 7. This is the pedigree number and should remain o the chicken throughout its life. The registration is all do by numbers instead of names.

The register number is read in same way as pe gree numbers, the figure to the left of period telling the rear and month the bird was registered, while to the rig of period tells its serial number in that month. In this way the numbers never become too great or cumbersome.

The method of registering is for the breeder to se l in application blank properly filled out, giving the pe gree number of the bird. This number is placed on a and together with the register number, and sent to the b eder with the certificate of registration. This band mu be placed on the bird instead of the pedigree band. This and tells the year and the month hatched, the sire, dam and pen, as well as the year and month registered, an the serial number in that month.

These bands are light and durable and never used fo any other work than registering. Duplicates are never ade, there being one band, one bird, and one owner elim ates much of the possibility of fraudulent work.

'Tis true that the government and banks have to ard against crooks who counterfeit or duplicate mon or checks; horses are sometimes stolen and houses broker nto, but with the proper rules governing the registratio and requiring the breeder to make oath as to the pedig e of each bird, the poultry registration will be as clean an ure as any business.

The highest distinction any bird can attain is to be gis- tered, showing an ancestral line of high-scoring, high- ring birds.

The certificates of registration show the bird's n ber and history of two generations of ancestors. The nu bers follow each other in such a way that any bird's anc tors may be traced back to the original registration. Ap lica- tion blanks are to be furnished by head office and fil l in by breeder, giving pedigree number of bird to be regis red, and sworn to before officer who has authority to admi ster oath.

Certificate of Registration.

Picture of bird.
Cockerel or Pullet.
Breeder .....
Address .....
Breed ..... [al.]
Strain .....
Sex.....] g

Ped. No.	Reg. No.	Score.	Date.	Judge.	R ord.
.....	.....	.....	.....	.....	.. ....
Sire	.....	.....	.....	.....	.. ....
Grandsire ...	.....	.....	.....	.....	.. ....
Dam	.....	.....	.....	.....	.. ....
Granddam ..	.....	.....	.....	.....	.. ....

Transferred from	To	Date	
.....	.....	.....	....
.....	.....	.....	....
.....	.....	.....	....

..... .
Official Registra

Rules Placed on Back of Certificate.

1st—All scores must be eligible to first prize by An ican Standard of Perfection.

2nd—All egg records must be 80 or more for six n ths, or 120 for one year.

3rd—If sire or dam is not registered their record n t be sent and the register marked "Original Register."

4th—The bird must wear band furnished by Official Registrar containing both register and pedigree numbers.

5th—No bird can be claimed to be registered without such band.

6th—Any breeder transferring his own bands or removing bands belonging to another breeder is faking, and shall be barred from further registration.

7th—Records of sire and dam must be complete before further registration can be done.

8th—Young birds may be registered and scores and egg records sent later.

9th—No bird can be registered without breeder taking oath, sent with application, that the pedigree is correct.

10th—A fee of 25 cents is charged for each registration.

Key to Number System.

There is a register number and a pedigree number which belong on each bird registered. These numbers each contain a period. To the left of period shows year and month, while to the right is register number which shows serial number in that month. In the pedigree number the right-hand figure shows the hen number, while the figures between right-hand figure and period show the pen and cockerel number.

Example—Reg. 114.25 was register No. 25, in January, 1914. Ped. 313.875 was hatched in March, 1913, from hen 5, pen 87, and cockerel 87.

Some criticize the system, saying it is too much trouble. Others say it can't be done successfully, while the facts are their birds cannot reach their requirements. Others recognize the fact that a bird must meet the requirements in order to be a bird worth keeping. But all agree that the system will have a great influence toward better methods of breeding.

I have discussed this subject from the standpoint of the fowl, but the same system will apply to any poultry.

Photographs as an Aid to Advertising

It Pays to Advertise, But it Pays Better if You Spend a Little Time and Thought on the Character and Make-up of Your Ads. *By D. G. Beaty*



A GOOD PHOTOGRAPH of a bird is of great help to the advertiser. A first class drawing is believed by many to be more effective, but it depends upon whether the comparison is made with a good photograph or a poor one.

When we see a photograph we realize that it is apt to be a reproduction of the bird represented, but it is very easy to imagine that a drawing has been made especially for the occasion, and any defects in the birds have been carefully worked over until they are no longer noticeable.

Of course there are many points about fowls that cannot be told from a picture, but the style and general characteristics of the stock can be seen if the photograph is well made and reproduced large enough to bring out the detail. It is, of course, space wasted to attempt to use a photograph in an ad. occupying only an inch. An ad. two inches high, however, will usually permit of the successful use of a half tone. The picture, if an attractive one, usually calls the attention of the reader to what the advertiser has to say, and if it is a good picture it usually convinces the reader of the quality of the stock offered.

A great difficulty in the successful reproduction of photographs of poultry has been the cheap quality of stock upon which many poultry papers have been printed. Paper stock similar to that used by newspapers will not reproduce half tones, especially small ones, and do it well, but the better class poultry and farm papers are now using paper stock of a quality that will admit of successful reproduction of photographs.

The selection of suitably posed photographs for advertising purposes requires a keen knowledge of values of fowls and the ability to discriminate between good, bad and indifferent work. The idea is to get a good, taking, photograph of a good bird, and then use it in a space large enough to show to the best advantage. If the object is to emphasize some especial good point or quality, as clear, well defined barring in the Barred Rock, or unusual laying in a strain of fowls, these points can be well brought out by especially posed photographs and used to better advantage in advertising than a greater space devoted exclusively to telling the merits of what is offered for sale. Take, for instance, the ad. of Barred Rocks recently published by Bradley Bros., which contains a picture of a cock bird with one wing spread out to show the unusual barring. Such a picture is equally attractive and convincing. Likewise in a recent ad. of H. Cecil Sheppard in which he shows a picture of an Ancona hen on the nest with "$3" imprinted on the picture and beside it a basket of eggs, bearing the legend "$21.27," while above the illustration in large type appears the question, "Does this look good to you?"

Photographs of this type will attract the eye of the reader and interest him. By looking through the advertising pages of this paper many equally attractive photographs used in connection with advertisements will be found. And no breeder needs to copy the plan or ideas of another in his advertising campaign, for there are "just as many fish in the sea as have ever been caught," and a man who is clever enough to breed and rear good fowls, can, if he sets his mind on the task, work out an original idea in advertising that will equal if not eclipse those now in use by his competitors.

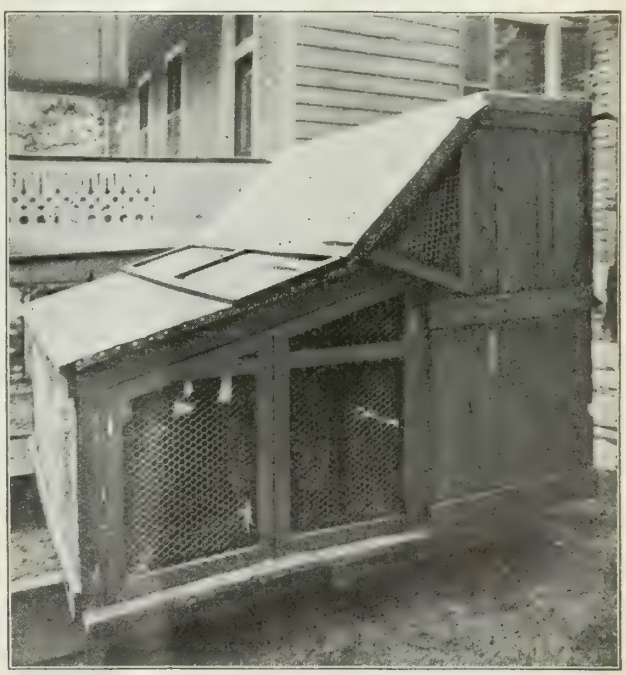


Fig. 1. Piano Box Open-Front Poultry House adapted from Dr. Woods' Open-Air House by Dr. C. L. Smith, Pensacola, Fla. View showing house closed for night in cold climate. Has not been so tightly closed in two and one-half years' use in Florida. See article "Low Cost Open-Air Poultry House."

In securing photographs, it is usually necessary to do the work yourself. There are, of course, some good photographers who can get the results you want, but they are few. The professionals in this line are naturally in great demand and not to be had at just the time you require their services. If a little judgment is exercised and a dependable kodak

used, one making a picture 4x5 or 5x7, even an amateur with a little practice ought to get good results. The important points to remember are, first, to have the bird posed naturally and in a position that makes it show to the best advantage; to place the bird where there will be nothing in the back ground or near it that will detract from the object of the photograph, and to realize the importance of the focusing of the camera so that the bird will be large in the picture; in other words, to remember that what you want to show is the bird itself posed as naturally and artistically as possible.

Place the bird in the sun, choosing a day that is bright—not partly cloudy. Then set the camera so that you have the bird in focus and make the picture at one-hundredth of a second. It is possible, of course, to take poultry pictures on darker days, giving a longer exposure, but the best results are from those taken under clear sunlight and made as a snap shot.

In using a photograph with an ad. be sure that the ad. is large enough to have the photograph at one side. If the picture must be placed either at the top or bottom you do not get the full results from it. A person's eye naturally travels in the direction the bird is looking and if the ad. is not in front of the bird, the next ad. is most likely to benefit. In other words, the photograph of your bird not properly placed in your ad. will help the other fellow more than you. It pays to advertise, and likewise it pays to spend some time and thought on the make-up and character of your advertisements.

Low Cost of Open-Air Poultry Houses

Piano Box Adapted to Dr. Woods' Open-Air Poultry House Plans and Successfully Used Over Two and a Half Years at Pensacola, Fla. *By Dr. C. L. Smith*



OR OVER TWO and a half years I have been a constant reader of Dr. Prince T. Woods' articles in American Poultry Journal and have not only been highly entertained but have also received much benefit from them. Most especially is this true in regard to the open-air plans for housing chickens. I have received many ideas for raising chickens that have proved to be most helpful and successful. That is, fine healthy chickens which have been free from diseases and insects so common in this community (Pensacola, Florida). I attribute my success to the open-air treatment and plans given from time to time in American Poultry Journal. Open-air housing and open-air methods are so inexpensive and so satisfactory that I am unable to understand how anyone should hesitate to use them.

I am sending with this letter three photographs of my

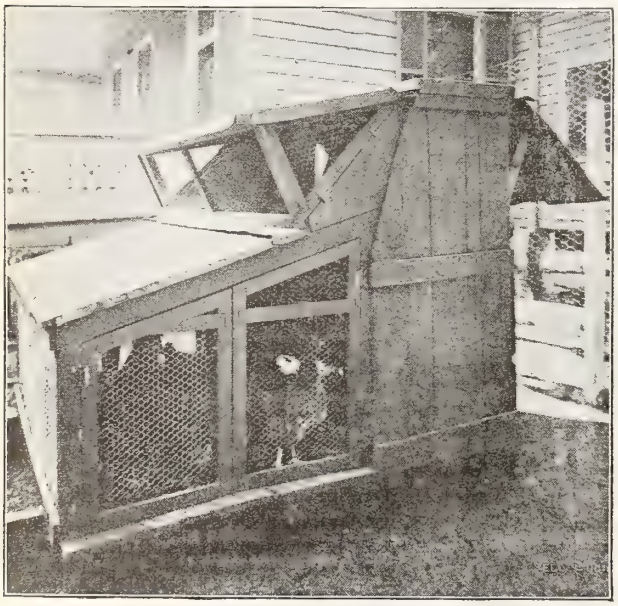


Fig. 3. Detail of Piano Box Poultry House adapted from Dr. Woods' Open-Air House by Dr. C. L. Smith, Pensacola, Fla. See article "Low Cost Open-Air Poultry House."

"Dr. Woods' Open-Air Poultry House," made from an ordinary piano box at a cost of less than $2. To be exact the cost was as follows: one dozen small butt hinges, 35 cents; wire netting, 75 cents; felt roofing, 60 cents; total $1.70. Some few small odds and ends of lumber about the place, a few nails and the piano box, which I had, complete the expense. The house has been in use over two and one half years. Anyone should be able to build one like it by referring to the illustrations.

This house will very comfortably take care of from 15 to 20 full-grown chickens. As will be seen in the illustrations the doors permit the whole interior of this house to be thrown wide open to the sunlight, which reaches every

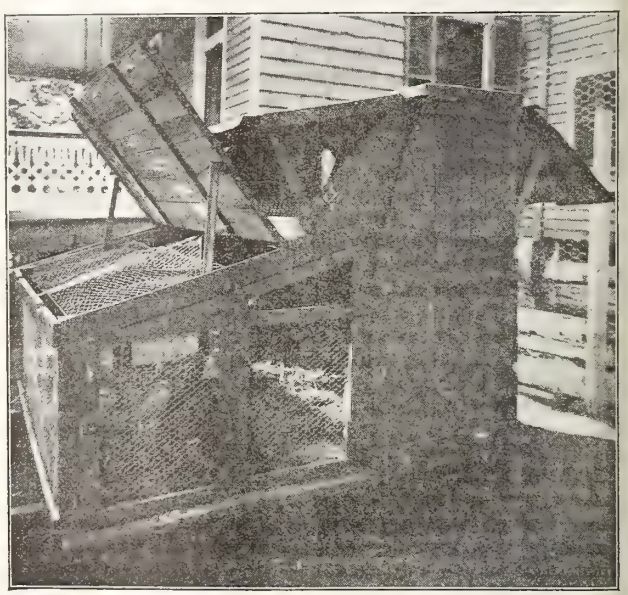


Fig. 2. Piano Box Open-Air Poultry House opened to sun and air. See article by Dr. C. L. Smith entitled "Low Cost Open-Air Poultry House."

corner, a great factor in prevention of diseases and vermin.

In Fig. 3 I have dotted in on the photograph the position of the perches, the droppings board and the nests, which are all portable and can be removed in two minutes. The nests are five in number. Eggs are removed through hinged door at rear, shown in illustration. This house is warm enough for the coldest climate when closed as in Fig. 1.

Fig. 2 shows the house as ordinarily opened to the sun and air. If the doubtful ones who fear fresh air and open-air houses would try this small cost piano box house, I am sure they would never return to the unhygienic closed poultry house. In writing this letter I am thinking more of the fowl than I am of the thoughtless owners. If many of the poultry raisers would cultivate and use their gray matter more and pay more heed to American Poultry Journal's well-written and learned articles they would find it easier to produce a good crop of chickens with better health and less expense.

The Best Way to Produce Fine Feathers

Feed and Care Required to Produce the Different Characters and Colors of Plumage—Show Birds Best for Utility Purposes.

By Chas. A. Simmonds



UPON the vitality of the bird the chemical quality and coloring matter of its food, exercise, sun, wind, moisture and temperature depend to a large extent the coloring, brilliancy, texture and length of its plumage.

The more popular breeds of poultry may be divided into three general classes —Asiatic, Mediterranean and Game. This classification is biological or racial, and not made with regard to the country where the breed originated, or its fancy points were perfected. Thus, the Asiatic class would include not only Brahmas, Cochins and Langshans, but Plymouth Rocks, Wyandottes, Reds and Orpingtons as well, and the Mediterranean race, Campines, Minorcas, Leghorns, Anconas, Hamburgs, etc. With the exception of the first three breeds named, all breeds belonging to the Asiatic class contain a slight admixture of either Game or Mediterranean blood but not enough to change their characteristics or bodily form to any extent; and thus all breeds belonging to either class may be said to be alike in bodily form, instincts and general characteristics.

The Asiatic and Game classes are the setting breeds and layers of brown eggs. The Mediterranean breeds are all non-setters, and lay white eggs. Anyone who compares two breeds in the Asiatic class, as Brahmas and Cochins, or Rhode Island Reds and Wyandottes, for instance, is apt to get the idea that their bodies differ greatly in shape, but the difference is mainly a difference in character of plumage and carriage of neck and tail. For instance, take a few Wyandottes and Reds of equal weight, age and sex, and as near Standard shape as possible. You will note that the Wyandottes have short, rather high tails, loose fluffy plumage, necks well arched and heads carried well back from the front of the breast, while the Reds' tails are much lower and a little longer than the Wyandottes', their plumage lays much closer to the body and their heads are carried quite forward as compared to those of the Wyandottes. The Wyandottes appear short and round, while the Reds are long and rectangular in shape. But if you will kill and pick the birds you can scarcely tell them apart by their shape, which shows that the difference in the shape of the live birds was caused by a difference in plumage and carriage. The Orpingtons are as loose and fluffy in plumage as Wyandottes, but appear much longer in body. This is due to the length and carriage of the Orpington's tail and head. If this does not sound reasonable, take a cockerel that is tame and easily handled, and notice the difference in his shape when you hold his tail at different angles. Of course, there is a difference in the body shape of even different birds of the same breed and strain, due to age, vitality and conditions.

By comparing the shape and disposition of the different breeds, you will note that the close feathered, long bodied hen is an active hen, the short, deep bodied hen is less active, less inclined to range or scratch, more inclined to broodiness, and the laying hens more inclined to become overfat. Inactivity is a principal cause of loose, fluffy plumage. Cochin breeders feed their growing chicks principally on mash, knowing that it promotes looseness and length of feather, while the breeders of exhibition Game feed nothing but hard grain, to secure "hardness of feather." This works in two ways: First, the hard grain must be ground in the gizzard, which exercise produces hard muscle, tight skin and thus feathers held close to the body, also the mashes are generally richer in feather-forming elements which tend to produce greater length of feathers.

The Cochin represents the extreme in abundant, loose, fluffy feathers, and to secure these qualities the bird should be fed but one feed a day, the evening feed being grain, and all other feeds mash. The young birds while growing need a good grass range, but should not be induced to exercise. Such a radical system of feeding and care is not used with other breeds. Some breeders of American varieties give their growing chicks two feeds of mash a day, but they also hopper feed or give several feeds of whole grain as well. During the first six weeks, chicks of all breeds are fed much alike, but the older they become, the more difference is made in their rations. All breeds of the Asiatic class have loose, fluffy plumage, as compared to that of the Mediterraneans, and so require feed that will tend to produce this character in the proper degree. With Mediterraneans, a light feed of mash in the morning will be found sufficient, if rich in protein and oils which impart brilliancy and luster to the plumage. A little oil meal added to the mash is quite beneficial; too much is worse than none. Buttermilk is the best feather food, and used to mix the mashes, imparts length and sheen to the plumage.

"Color Feeding" is a topic frequently discussed at the poultry shows. Some seem to think there are breeders who possess wonderful feeding "secrets," by which they are able to produce the desired shade of buff or red, or secure snow white plumage free from creaminess, on their birds. There are a few feeds, such as cotton seed meal, alfalfa, corn and clover, which have a tendency to impart a creamy tint to white plumage, as well as rich color to the plumage of colored varieties. White fowls may be reared without corn and with such green foods as contain no yellow oils (rape, cabbage and potatoes, for example) and will be found free from creaminess at all ages. The chick reared on free range will generally get all the iron, sulphur, coloring matter, etc., required to produce the proper color of plumage in the different weeds and grasses it eats.

Atmospheric conditions exert great influence upon all colors of plumage. There is almost no defect in shade of color that cannot be remedied by the proper balance of sun, wind, heat and moisture. In summer, the heat is so intense that birds of any color must be protected from sun, wind and moisture to retain the proper color. A good example of the influence of the elements on color is seen in black fowls; if you will examine the plumage of a black chick in hot weather you will notice the half grown feathers show considerable purple; as they grow the purple disappears, leaving the desired green sheen, which later disappears, leaving the feathers dead and dull in appearance.

Except in very hot weather there is no danger in white birds running in the sun, but if the weather is very hot the plumage will be sunburnt or brassy. But red and buff varieties require protection at all seasons, a few drops of rain followed by sunshine, on a buff bird, ruins its color. The prize winners in the colored varieties are generally those that come to maturity just in time for the show, and are placed on exhibition before their plumage has had time to fade or lose any of its brilliancy. If the yards contain plenty of good dense shade, and the roosting houses admit plenty of fresh air (they should be opened on all sides in warm weather) conditions will be right for birds that do not get their adult plumage before November.

Farm papers and even a few of the poultry journals have been trying to tell the public much that isn't so about how to secure an egg producing or utility strain of fowls. These writers leave the impression that stock bred to the Standard requirements are lacking in vitality and are poor egg producers. This false impression is encouraged by the practice of some unscrupulous fanciers in selling culls fit only for market as "utility stock." It may be true that fine feathers do not make fine birds, but it takes fine birds (birds with strong constitutional vigor) to grow fine feathers. The bird with a weak constitution fails to fill out in shape, being angular, knock-kneed and shallow breasted, its plumage lacks the brillancy and length of the vigorous birds, and last but not least, if placed on exhibition, it fails to "talk to the judge," and assume that pleasing symmetry or carriage every fancier recognizes as necessary to win in strong competition.

EDITORIAL

WE LEAD
OTHERS FOLLOW

65,000 A. P. J.'s for August, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the August, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of July, 1914.
(Seal) HENRY G. EISERT,
Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

AMERICAN POULTRY JOURNAL

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H. P. SCHWAB, Eastern Representative, Irondequoit, New York.
H. H. COBURN, Central Representative, Marysville, Mich.
E. J. W. DEITZ, Special Advertising Representative, Chicago, Illinois.

SUBSCRIPTION PRICE.

United States and Mexico, 1 year, $1.00; 3 years, $2.00.
10 cents a copy of all newsdealers.
Canada, 1 year, $1.25; 3 years, $2.75.
Foreign, 1 year, $1.50; 3 years, $3.50.

Look at the address on your wrapper. See that it is absolutely correct and notify us of any mistake, no matter how slight. Note the expiration date which appears thereon, as American Poultry Journal stops with the issue marked on your wrapper.

If you change your address give both your old and new address as well as your subscription number when notifying us of the change.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Chicago to Move a River.

CHICAGO, which conquers in the sign "We Will," now contemplates picking up a river which is in her way and carrying it out west where she wants it; not very far west—only a few city blocks; but the job will cost about $6,000,000, and that is only one item in the complicated and costly undertaking by which 1-764 of the city's area, where more than twenty railroads handle every day 112,000 tons of freight and 200,000 passengers, must be unmanacled from congestion. Drays clog the streets, commuters throng the ways, and the downtown region has still to build up from an average of eight-story structures to the present maximum of twenty stories with a daytime population and traffic corresponding. The present has beggared the dreams of past boosters. Engineers are now asked to provide for the future. Chicago's appetite for freight cannot be curbed by dieting. Her daily meal will keep on growing. She needs new digestive apparatus. Transference of the river and certain other capital operations will give it to her.

The foregoing was written for Leslie's Weekly by Mr. John Findley Wallace, who is famous as the first American chief engineer of the Panama Canal. The object in making this quotation here is to illustrate the typical progressiveness and determined "We Will" spirit of Chicago to overcome all obstacles in her wayward march to achievement and advancement.

The quotation also illustrates another thing that should be borne in mind, and that is, the enormous rapidity in which Chicago is growing in population and commercial activities. From 1833 a howling wilderness with the nearest railroad over 300 miles away—to 1914 the second largest city in America and the fourth largest city in the world—is certainly going some—and incidentally, a city worth seeing.

Chicago is all set to entertain the members of the American Poultry Association in annual convention assembled the second week in August and the same spirit of "We Will" make this the largest, greatest and most enthusiastic gathering of poultry breeders and allied industries ever held in the history of the world is right here on the job and working over time.

Theo. Hewes, in the July issue of Inland Poultry Journal, has made a prediction that will surely come true. He says:

"We venture the assertion that Chicago will make all other convention cities look like a dirty deuce in a new pack in its entertainment of the American Poultry Association the second week in August. We know the bunch that has charge of the program and we know that they are going to put one over on all the rest. We have been entertained East, West and South, and now the Mid-West will show us a few frills that the other fellows overlooked; and please understand that what they offer you free has no strings on it—no coupon with a rake-off. A coupon from this bunch means 'free doin's' and nothing else."

The pleasure program prepared by the Chicago Poultry Society for the visiting members of the American Poultry Association is a very elaborate one and will keep everybody busy day and night. Some of the interesting entertainments will include a trip to the great Union Stock Yards, one of the most interesting and instructive sights in the world; ball game by Brooklyn and Chicago Federal League clubs; reception for visiting ladies by ladies of the Chicago Poultry Society in ladies' parlor, Hotel Sherman; stag smoker for visiting men by men of Chicago Poultry Society in convention hall, Hotel Sherman; a noon luncheon for the ladies in Marshall Field's store, and inspection of the great store; auto ride to Jackson Park and Field Museum; a free boat ride on steamship Roosevelt to see panorama view of Chicago by night from the lake; organized trip to White City or Riverview parks with free admission tickets to their many attractions.

One of the most interesting features of the entertainment offered will be a picnic and luncheon at the great Peabody Farms, one of the largest and finest equipped live stock farms in the central west. This farm is noted for its expensive buildings and equipment, the poultry houses alone costing over $7.00 per bird. The farm is also the home of some of the finest livestock of all kinds and many of them are international prize winners. It is planned to make this a genuine old fashioned picnic, with all the games and trimmings where everybody may participate and have a general good time. This entertainment is offered through the courtesy of the Peabody Farms and everything is free, including transportation both ways.

In addition many other pleasure features will be offered to visiting guests; boat trips to Lincoln Park Zoo, free bathing at Lincoln Park and other beaches, and free admission tickets will be furnished to many other places of amusement.

Again Chicago extends a most cordial invitation to you to visit the largest poultry convention in the world, to be held in the great city of Chicago, second week in August.

Advance hotel reservation may be made by addressing E. J. W. Dietz, Secretary, 123 West Madison St., Chicago, Ill.

A. P. J. Chick-Growing Contest for 1914.

THERE have been many entries in the American Poultry Journal chick-growing contest for 1914. During July almost every mail brought a belated entry. All are welcome. If you fully comply with the rules as published on page 778 of May, 1914, A. P. J., your report will be welcome whether you notified us of your intention to enter the contest or not. Send in your report addressed to Managing Editor of American Poultry Journal, Lock Box 4, Silver Lake, Mass., to reach us not later than September 15.

The contest closes September 1, 1914, but reports will be accepted that bear

the official postoffice cancellation stamp dated not later than September 15. You should get your report in as early as possible and must have it in the mails by September 15, 1914. Be sure to carefully observe the rules.

Be sure to include the five photos of chicks at different ages as follows:

Pen. Eggs.

Photo No. 1. Day-old chicks.
Photo No. 2. Chicks two weeks old.
Photo No. 3. Chicks four weeks old.
Photo No. 4. Chicks eight weeks old.
Photo No. 5. Chicks three months old.

Remember to write your name and address in pencil on the back of each photo print, the name of the variety, the age of the chicks in photo and the average weight per chick. These rules must be carefully followed. Do not write on the face of photograph.

Be sure that your report is neatly and carefully written on one side of paper only. Take time to write your report and be sure that you have done your best. There are ten prizes. You want to do your best to win one of them. Even if you should not win you want your story to be worth while printing and to prove a help in boosting your favorite variety. It will soon be time to send in your report. Get busy.

Literary style will "cut no ice." The PRACTICAL VALUE of your story as an EXPERIENCE LESSON is what counts. Don't be afraid to write because you have never written an article for publication. Simply tell your experience just as you would write a letter about it to a friend whom you wanted to help to be successful with chickens. Tell your story plainly, forcefully, briefly and stop when you are done.

Drawn and Undrawn Market Poultry.

PERIODICALLY our law-making assemblies are asked to pass bills requiring all market poultry to be drawn. There is always much argument pro and con, although it should be apparent that where poultry is properly prepared for market it is more safe and sanitary to ship and store it undrawn.

The great trouble is that most of the poultry in most markets is *not* properly prepared. Much of it is killed and dressed with intestines full of food and waste matter and often with full crops. In such condition it spoils quickly and undesirable flavors are imparted to the meat, particularly of the "second-joint" and the breast meat about the "wish-bone." Small wonder that those who have to eat tainted poultry meat, or go without, ask that dressed poultry shall be drawn before marketing.

For many and obvious reasons drawn poultry as commonly prepared is unsanitary and undesirable. It seems hardly necessary to enter into details here as they should be familiar to all observing persons. Such objections as there are to drawn poultry would be removed if the carcasses were drawn in the same manner as other food animals; i. e., split open and all entrails removed in a cleanly manner without breaking and the finished dressed carcass held open with a clean wooden spreader. The chief objection would be that the carcass being thin would dry out very quickly and lose much weight.

Commonly the poultry dressers, because of greed and the fear of loss from shrinkage, feed poultry up to the time of killing. The result is that the intestines are crammed full of food and waste that is bound to taint the meaf if the carcass is kept even a comparatively short time. Even though the law usually requires that crops must be empty, a good deal of poultry is marketed with food in the crop which has been pushed back into the body out of sight where its contents ferment and spoil the meat. In other cases the skin and crop may be slit and the crop contents washed out, but this also is a bad and unsanitary procedure.

When the intestines are filled with food and waste matter, where fowls are not properly prepared for market, there is always more or less filtration of fluids and products of putrefaction into the lowermost tissues if the carcass remains long in one position, even when apparently frozen solid. This renders the fowl unwholesome as food and gives the unpleasant taste to the meat so common in the general run of "fresh-killed" and "storage" poultry ordinarily found in our markets. The only reason for marketing fowls with



full intestines is greed for gain and bigger profits. To properly prepare poultry for marketing and shipment entails more or less shrinkage in weight.

Where poultry is not split open and dressed as are the carcasses of other meat animals, the only sanitary way to market it is undrawn, but it should be properly prepared. Most of our American housewives prefer their poultry carcasses whole for convenience in roasting and would object to split carcasses. Though in foreign lands, and in our own settlements of immigrants from over seas, it is not uncommon to find split carcasses of poultry exposed for sale and to be able to buy whichever portion of the fowl appeals most to the buyer.

To properly prepare poultry for killing it should be kept entirely without food for at least 36, and better 48, hours before killing. The birds should not be penned but should be placed in a slat-bottomed coop where they cannot scratch over and eat their own droppings. They should have drinking water but absolutely no food. Prepared in this manner the crops will be entirely empty and the intestines will contain the minimum amount of food and waste; in fact, in most cases there will be little of anything except a little grit and fibre in the gizzard and a trifling amount of waste in the intestinal canal; nothing to do any harm and no danger of tainting the meat if the carcass is properly bled and chilled. The shrinkage is slight and the results obtained in a better and more wholesome foodstuff are well worth the trifling loss from less weight. Of course, it should be understood that the fowls must be properly bled, dry picked without tearing, thoroughly chilled before shipment, and under sanitary conditions. It is well worth while to prepare poultry properly for market.

Tons upon tons of poultry shipped to market annually prove a dead loss because not properly prepared for marketing. The loss usually falls on the dresser and shipper and not on the commission man or marketman. Last Thanksgiving many tons of spoiled turkeys in Boston market alone were condemned and sent to the fertilizer works, largely the result of their not being properly prepared for market. Those who prepare poultry for market should sit up and take notice.

We firmly believe that where poultry must be shipped long distances, or is intended for storage, it should be undrawn. But we do not believe in undrawn poultry unless it is properly prepared by complete fasting of the fowls for a sufficiently long period so that the crop and intestines are free from food and waste. Give us better market poultry, less tainted meat, no more full crops and stuffed intestines and there will be less frequent demand made upon our lawmakers for a law requiring that all market poultry be drawn.

An Open Letter to Mr. Patterson.

Albashire, Bartlett, Tenn.
June 24, 1914.

Mr. C. T. Patterson, Pathologist, Missouri State Poultry Experiment Station, Mountain Grove, Mo.

Dear Sir:

It has been my understanding that your station has been sending out material advocating a lighter weight type of chicken as the better laying bird. During the past two seasons and again last year, also in your letter, you specifically state that a good many of the Plymouth Rocks entered for competition in the contest were received in an immature condition, being immature at the beginning of the winter or at the beginning of the natural egg-laying season. A bird is thus forced into the reproductive period (whether by heavy feeding of nitrogeneous elements or the approach of the natural season) at a sacrifice to the size and weight, and which has perhaps led you to believe that the underweight bird is the egg-laying bird. This cannot be true as other experiment stations, and in my own experience, some extra large hens that are over Standard weight are splendid producers. In your observations have you found that the Plymouth Rocks that were received in a mature condition made good records?

A hen may be over standard weight, an exceptionally good layer, but she may not be of extra good market type. Occasionally she will be of splendid market type. She will probably be well meated, when fat, but she will carry too much meat on the thighs in proportion to the amount of meat she carries on her breast; in other words, the muscles of the legs will be developed out of proportion to the amount of muscle of the breast. This, perhaps, is due in part to the fact that she uses her legs in searching for feed, and isn't therefore a No. 1 market type, but she is a right good business hen for one to own. As a general rule our best layers are hens that exercise very freely. Occasionally an exceptionally good layer exercises very little, seems to live mostly from the dry feed hopper, and perhaps spends a good deal of time on the roost. I have no-

ticed this in three or four hens in the past year.

One individual behaves one way, and another absolutely opposite. One hen gains weight while laying heavily, another hen loses weight at the same time and in the same pen. We notice this especially in some of our feed lots. So much depends on the individual, and different individuals show so much variation I think one needs to be very careful about drawing general conclusions.

I believe as you do, that if the powers of reproduction are present in quantity, the average heavy layers will turn their surplus into eggs instead of fat, but I also believe that to obtain a goodly number of marketable eggs, it is absolutely necessary to see that the hen is fully matured and a little fat at the beginning of the test. The dairymen have conclusively proven this long ago and the many record breakers of the various breeds are cows that have been put into high condition before beginning the test.

I want to see the Plymouth Rocks kept up to good size, as we have already smaller breeds of chickens that are good layers, and if anyone wants to keep small chickens, let them keep some of the smaller breeds. The general tendency on most commercial farms is for stock to run undersize, is my observation, although it may not necessarily be true throughout the whole country. I have always looked to the specialty breeders to furnish foundation stock for the commercial breeders, and if they can breed their Plymouth Rocks a little over the present size, they will help undoubtedly to bring up the size on the commercial farms. Another thing, there is a very strong demand for Plymouth Rocks of a good size, good, strong, vigorous, breeding birds, and I think that a lessening of the weights would have a tendency to swing this demand to some of the other breeds, i. e., put them on a par. No matter how good a fancier may happen to be, he will always be dependent in the long run on the commercial growers. He may not sell directly to farmers, but his customers will sell direct to farmers, and unless his stock, second-hand as it were, pleases the general farmer and commercial growers, he will have to go out of business in time.

As I understand it, the Plymouth Rock is probably the leading meat breed in this country. I do not mean to say that we class the Plymouth Rocks as being of a meat type, but I do mean that if you will examine the carloads of fairly good marketable poultry that comes from the market poultry producing sections of the central west, you will find that Plymouth Rock blood is very likely to predominate every time. There are certain breeds called meat breeds, but so far as poultry meat production is concerned these breeds are only a drop in the bucket. I believe that one of the principal reasons for keeping Plymouth Rocks is so that we may raise a good marketable chicken that meets the demands of the market for good marketable chickens, the only exception being the very special trades where special breeds are raised, such as the Brahma, Cornish, etc. If we are going to keep the Plymouth Rocks popular with the general public we have got to keep up the size, so that they will remain, as now, good market poultry.

It has been observed that the Plymouth Rock, as a breed throughout the country, unless properly handled, declines in weight from those advocated by the Standard, and, from a market standpoint, we will hurt the breed to require other than the present weights.

Another thing should be borne in mind, that for a good many years the present weights have been in vogue, and if it is found that the Plymouth Rocks are not bred and fed to reach these weights, rather than to make a change at this time, it would be better to start a campaign, telling people how to properly feed and breed these fowls to attain the standard weights.

I shall be very pleased indeed for you to give me in full your observations on this subject, together with the weights at the four seasons of the year of all pens of Plymouth Rocks in preceding contests.

Assuring you of our hearty appreciation and thanks for the information you have given us, I am, very truly yours,

Martin F. Schultes,
Secretary W. P. R. Club.

Standard Weights of Plymouth Rocks.

ALTHOUGH the matter was pretty thoroughly threshed at the Atlantic City Convention and voted down, it is quite probable that the American Poultry Association at Chicago this month will again be asked to reduce the Standard weights of Plymouth Rocks.

Standard weights of Plymouth Rocks today stand practically where they have stood during the many years the Plymouth Rocks have been winning and holding popularity, with the exception of weight of pullet which formerly stood at 6½ pounds and was reduced in 1910 Standard to 6 pounds.

The present Standard weights of Plymouth Rocks are: Cock, 9½ pounds; cockerel, 8 pounds; hen, 7½ pounds; pullet, 6 pounds. If the breeding stock is sound, healthy and well bred there is no valid reason, where good management prevails, for failing to keep the majority of the birds up to weight and in good condition.

It has been argued that these weights handicap the breed as egg producers. This has not been proved



Buff Orpingtons **The Fashion Plates**

Eggs at half price. Stock quoted far below its real value. 40 cocks and 200 hens offered singly or in pairs, trios, pens or mated yards.

These are a part of **our 1914 breeders** and worth while for you to own.

Have you seen **The Orpington Fashion Plate Book?** It's crowded with **poultry talk**, beautifully illustrated, 56 pages. Free.

A. E. MARTZ & SON - Buff Orpington Specialists - Box A, ARCADIA, IND.



Partial view of Farm which is devoted to the production of Rhode Island Reds of the highest quality.

EVERMANS' Have A Red For Every Man

When better Single Comb Reds are bred, we will breed them. See our winnings. First in every Show entered last season. 3,000 for Fall delivery. Write for catalog.

EVERMAN & EVERMAN **Route 5** **GALLATIN, MISSOURI**

to date and it should be remembered that the Plymouth Rocks have won and held their present position as popular utility fowl under these same weights which a few breeders seem eager to reduce.

Size, of itself, has no direct bearing on ability to produce eggs. Weight. of itself, has no direct bearing on ability to produce eggs. We have had a good many big birds, above Standard weight, that have proved remarkably fine layers. In Plymouth Rocks we are inclined to favor the large-sized bird, with good big frame and ample body.

Heavy weight, when due to large size and not to excess of internal fat in a small-sized body, won't interfere with egg production. Fecundity is an individual characteristic and has nothing to do with size. Just because among winged things the ostrich lays few eggs and the gypsy moth produces thousands is no argument against big birds in American class varieties proving heavy layers. Size alone has nothing to do with the case. The heavy layer may be large or she may be small and the fact of her size has nothing to do with her ability to produce eggs.

Ask some poultrymen for a "heavy" bird and they will pick you out an overfat specimen with small frame and bagged down behind with internal fat. That is not our idea of a large, heavy bird. While a hen must possess some fat to lay well, we don't want an excess of fat that has been forced-fed into a normally small-sized carcass. We have seen some exhibition birds that had been fed into a state of fatness out of proportion to their frames in order to make Standard weights. If we were judging we wouldn't award a prize to specimens of that sort. We like a good large fowl in Plymouth Rocks, supplied with a comfortable allowance of well carried fat, neither too much nor too little. Such should make the present Standard weights very comfortable and the man who argues for less weight in Rocks is either permitting his stock to "run out" or is not managing his flocks for best results, and maybe has a personal preference for "small neat birds" that might be better satisfied with some naturally smaller variety.

Martin F. Schultes, secretary of the White Plymouth Rock Club, is very strongly opposed to any reduction of the present Standard weights of Plymouth Rocks. In a recent letter he advises us that he has secured a considerable amount of evidence opposed to any reduction of Plymouth Rock weights. Sixteen out of seventeen experiment stations, all doing extension work and carrying one or more varieties of Plymouth Rocks, in response to letters from Mr. Schultes, have reported as against any reduction in Plymouth Rock weights. He also reports that many breeders have written him at length vigorously opposing any reduction of weights in this valuable general purpose breed. In another column we print an open letter from Mr. Schultes addressed to C. T. Patterson, pathologist of Missouri State Poultry Experiment Station, which station has recently circulated articles that give the reader to understand that small hens have proved the best producers in the Missouri Laying Contests, though the data given in these articles appears incomplete and unconvincing.

More power to Secretary Schultes and all Plymouth Rock breeders who wish present Standard weights for all varieties of the breed to remain the same and unchanged. We hope that there will be no reduction of Plymouth Rock weights. There are plenty of smaller varieties for those who want a smaller fowl. The Plymouth Rocks, with present weights, are remarkably fine egg producers and hold a high place among the best market poultry produced in this country. In our opinion any reduction in Plymouth Rock weights would be a grave mistake and would work a great injury to this deservedly popular breed.

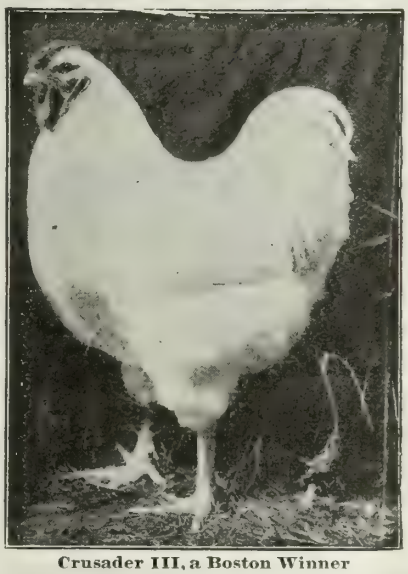
Selection for Constitutional Vigor.

SELECTION for constitutional vigor should be a process of continuous culling. It is particularly important at this season of the year when the chickens are beginning to mature.

Don't keep weaklings beyond the first marketable age. They don't and won't pay their way. Plan to keep only the best developed, strong, vigorous chickens. Lay the foundation for a sound, healthy flock by weeding out the inferior and weakly specimens as you go along through the season. At no time is such culling more important than now, before you begin the work of fall housing and yarding.

If no other reason appeals to you, make a practice of selecting stock birds for constitutional vigor, because it means bigger and better profits and fewer losses. The well selected, vigorous flock is the most productive flock and therefore the most profitable.

Cornell Experiment Station has recently published another interesting bulletin on the "Study of Constitutional Vigor in Poultry." They have been comparing the work of strong and weak flocks for several years. "In the comparison of all the strong flocks with all the weak flocks, the strong hens showed decidedly the more profitable returns.



Crusader III, a Boston Winner

3000 Regal Chicks

ALTHOUGH we had a cold backward spring up in Canada the supply of Regal Chicks is greater than ever. My first hatch came off January 15th and by March 10th I had over 1000 big, thrifty chicks with scarcely any losses. At the present time I have a flock of 3000 chicks that for quality cannot be surpassed. The early chicks are the most profitable. Why not breed a strain that will give you the early chicks? Regal White Wyandottes have such splendid vigor that I can get chicks whenever I want them. If you wish to make a winning at your State Fair let me quote you prices on matured cockerels and pullets or on exhibition cocks and hens.

Send for sale list giving description and price of 425 selected breeders also 20-page catalogue.

John S. Martin, Box 51, Port Dover, Can.

ORPINGTONS Special Summer Sale ORPINGTONS

1,000 Breeders, Buffs and Blacks—1,000

Grasp this opportunity to secure some of these "Hardy Canadian Bred" Orpingtons. To make room for the finest lot of youngsters I ever owned I must clear out at **sacrifice prices** many of my valuable breeding and exhibition Buff and Black Orpingtons. **Send today for a copy** of my **Special Summer Sales List** and get full particulars of this remarkable sale of Orpingtons. Orders now being booked for early-hatched Cockerels and Pullets for Fall and Winter shows.

HUGH A. ROSE, FONTHILL, ONTARIO, CANADA

SAVE 25% this month

Peerless Poultry Protector

The Snow White Disinfectant Coating

Take Advantage of These Special Prices

25-lb. box, $2.25 100-lb. keg, $7.50 200-lb. bbl., $11.25

One pound will cover 30 square feet—two coats.

WEATHERPROOF — FIREPROOF — SANITARY

Peerless Poultry Promoter, Port Richmond, N.Y.

The actual difference in profit when all but fixed and equal charges are considered amounted to 40 cents a hen, or $400 for one thousand hens in favor of the strong fowls. Forty cents is more than many weak hens are worth. It is an unusually high return for so small an amount of work at the start in separating the stronger from the weaker fowls.

"If this is an illustration of what may be expected naturally from a rational separation of the strong and weak fowls—and it probably is, since no radical selection was practiced—then it would seem that the resulting increase in profit would make it well worth while to keep the strong hens and dispose of the weak ones. The more pronounced the difference between the strong and the weak hens, the better is the policy of disposing of the latter."

The bulletin prints the following conclusions:

"1. The continued study of this subject confirms the conclusions drawn in previous bulletins.

"2. The selection of fowls for strong vitality, even though such selection be slight and exercised but once, increases the productive power of a flock.

"3. One selection only is not sufficient to keep a flock consistently superior.

"4. The selection of mature pullets is of more value than that of partly grown chickens.

"5. Selection at the beginning of the second year is of equal importance with that of the first year.

"6. The results from flocks 76 and 77 indicate that the heavier-laying hen is not necessarily the stronger hen at all times of the year, and that in selecting for breeding stock to produce a large number of chickens and capable pullets, the first essential is to select according to strength, with the expectation that hens so selected will usually be the most productive."

We are glad to again call attention to the work Cornell is doing in comparing strong and weak flocks. The results of these experiments confirm and support the course we have preached and practiced for many years: that of breeding for health and the constant and consistent selection of strong birds possessing the maximum of constitutional vigor. If poultrymen will only form the habit of culling out and disposing of all weak specimens and make this a continuous process, if they will keep only the strong and vigorous and breed, feed and manage their flocks FOR HEALTH, we won't hear so much about diseases and campaigns for their eradication.

The only sane way to eradicate poultry diseases is to breed them out, with the aid of careful selection for constitutional vigor, good care and good management.

BEGIN NOW.

DR. WOODS' NOTES AND COMMENT.

Chicago welcomes the A. P. A.

* * *

The thirty-ninth annual convention should be a record breaker, plenty of work to be done, plenty of good times, and a good place for a big crowd to have a good time.

* * *

In an exchange we find reference to

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Bargain Sale for 1914



Imperial "Ringlet" Exhibition Pen, winning First Prize and Sweepstakes Cup at Madison Square Garden, New York, 1913-1914, and Ckl. heading Second Prize Pen.

Type never told a story of greater values and more sweeping price reductions than in my Special Sale List which is now ready for mailing. This is an opportunity to buy the finest quality Barred Rocks ever offered in America at Special Bargain Prices.

This Is America's Leading Bargain Sale

It is unrivaled in high quality and low prices—This establishment is the largest devoted entirely to the breeding of High Quality Barred Rock in All America. There are more First Prize Madison Square Garden, New York, winners here than on all other farms combined. You can now secure Madison Square Garden winners and sons, brothers, sisters and daughters of New York winners, and birds of this richest New York first prize winning blood at the decided bargain prices. Birds bought now at the prices in my Special Sale List will pay you splendid dividends.

In This Special Sale List

Are listed the finest show birds, the finest breeders in single birds, pairs, trios, and pens that I have ever offered and at the rarest bargain prices. There are lots to meet the needs of all—the beginner who must begin right, the old breeder who will improve his stock, and the show man who wants to win in the strongest competition in the world.

See ad on back cover page for the wonderful record of my Imperial "Ringlets" at last winter's Madison Square Garden 1913-1914 show. This achievement takes rank in history as the most wonderful ever recorded since the New York show was founded.

It Will Be To Your Interest to have this Special Sale List and take advantage of this opportunity to secure "Ringlets" at the cut down bargain prices. Whatever may be your wants in Barred Plymouth Rocks you will find it in my Special Sale List at Bargain Figures: The List will be mailed promptly upon request.

Elegant 70-page catalogue upon application.

EGGS from the world's finest exhibition matings $10 per setting; four settings $35; 100 eggs $60—One-half these prices after June 10th.

E. B. Thompson

Lock Box 510, Amenia, N. Y.

the "June Quarterly Bulletin of the A. P. A." Was there a June issue? We did not receive any. Somehow we seem to have difficulty keeping on the association mailing list.

* * *

We note that a press dispatch states that eggs may now be bought by the pound, as well as by the dozen, in New York. "Coming, Father Abraham," but oh, so slowly! Judge Drevenstedt will please take notice.

* * *

The following law relating to the labeling of cold storage eggs went into effect in Massachusetts, June 20:

"Section 1. Whenever eggs that have been in cold storage are sold at wholesale or retail, or offered or exposed for sale, the basket, box or other container in which the eggs are placed shall be marked plainly and conspicuously with the words "cold storage eggs," or there shall be attached to such container a placard or sign having on it the said words. If eggs that have been in cold storage are sold at retail or offered or exposed for sale without a container, or placed upon a counter or elsewhere, a sign or placard, having the words "cold storage eggs" plainly and conspicuously upon it, shall be displayed in, upon, or immediately above the said eggs; the intent of this act being that cold storage eggs sold or offered or exposed for sale shall be disignated in such a manner that the purchaser will know that they are cold storage eggs. The display of the words 'cold storage eggs,' as required by this act, shall be in letters not less than one inch in height and shall be done in such a manner as is approved by the State Board of Health."

This is a step in the right direction. Eggs should be honestly labeled so that the purchaser may know what he is buying. Chinese and other foreign eggs should be labeled and such labeling is bound to come. The law quoted provides penalties and already a number of grocers offering storage eggs for sale as "fresh eggs" have been warned and some have been fined. There may be a howl and protest from trade sources against labeling eggs, but labeling is right and the purchaser should be protected. There is probably no other foodstuff that is so juggled in the placarding when offered for sale as eggs. The purchaser is confused with some sixteen or seventeen grades of so-called "fresh eggs" priced differently, yet mayhap from the same lot originally, and not a really new laid egg in the lot. Honest labeling of eggs would be a good thing for the poultryman.

* * *

A number of fanciers report excellent results in shipping hatching eggs by parcel post. One long distance shipment of a single sitting traveled over 2,000 miles and yielded eleven strong chicks. Can't find much fault with that. The eggs were packed in the common "split" market basket having two collapsible handles. The basket is first lined with newspaper and then with excelsior. Each egg is wrapped in paper and then given a good covering of excelsior. All are snugly packed and covered with more excelsior. A cotton cover is then put on the basket, the handles are raised and tied together and a tag attached. Address label is also pasted on the cotton top. There is almost no loss from breakage.

* * *

The June 17th New York Produce Review says:

"Judging from the appearance of the recent egg receipts from many sections of the West and the number of hatched eggs shown, a few more 'rooster days' are in order."

But why blame it all on the poor

"SENSATION"

and RED PRINCE Strains of Rose and Single Comb Reds

Winners of **186 prizes** at New York, Boston and Providence, since December, 1909; including **31 firsts**, $50 cup for Display, Boston, 1912; Display New York, 1912-13, and **State Cup for Display for six successive years** at Providence, R. I.

Eggs at **"Sensational" Prices. AFTER JUNE 1st** all eggs above and utility grade at **HALF THE REGULAR PRICE. Plenty of time to Hatch Winners** for the **Winter Shows. Stamp for Mating List.**

RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 100, Tiverton 4 Corners, R. I.

$ 7.16 PROFIT PER HEN



is the amount Director Quisenberry made from 100 hens on the Missouri Poultry Experiment Station last year. $4.58 profit per hen was the average amount he cleared from each of 1,000 hens, or $4,580.00, less the cost of labor. In the correspondence course offered by



The American School of Poultry Husbandry

he will teach YOU how to do the same thing, and GUARANTEE SATISFACTION OR YOUR MONEY BACK. Never such opportunities as now in this "Billion Dollar Industry." Regardless of droughts or floods you can harvest your crop every day in the year "The Quisenberry Way."

"A.S.P.H. Graduates Succeed"

Experience Is a Dear Teacher!

Mistakes cost money! Thousands of people have failed to make a financial success of the poultry business solely because of improper methods due to a lack of reliable information. Don't run the risk of failure when you can absolutely insure success! Any one of a hundred single mistakes you might make this summer would cost you more than a complete course in The American School of Poultry Husbandry.

Special Inducements This Month

Whether you are a beginner or an "old timer," a farmer or a "back lotter," it will pay you to investigate this Course, and to **do it now,** while the special summer rates and terms of **"a dollar down and a dollar a month"** are in force. Remember, The American School of Poultry Husbandry is the only exclusive poultry school in the world. It is unanimously endorsed by the poultry press and by hundreds of enthusiastic students in 43 states and Canada. If you have red blood in your veins—if you have heard the "call of the hen," here is the opportunity of a lifetime to put both feet on the sure road to success in this fascinating and profitable business. SEND TODAY for a free copy of our illustrated prospectus, "Dollars and Sense in the Poultry Business." You'll be glad. Address

The AMERICAN SCHOOL of POULTRY HUSBANDRY
Box 38 **Mountain Grove, Mo.**

rooster for doing his duty? It looks as if it would be better to have a "day" for careless, shiftless, poultry keepers, shippers and candlers. Eggs that are fertilized can be shipped long distances in warm weather and arrive in good condition. A neighbor received hatching eggs from England. A few of the eggs were cracked and proved to be of good quality and in good table condition. The other eggs hatched well and produced good strong chicks. If hatching eggs can safely cross the Atlantic in early June in good eatable and hatchable condition, surely we ought to be able to transport domestic eggs without so much rumpus about "rooster swatting."

There is a vast difference in brood hens. We raised quite a few hen hatched and incubator hatched chicks this season and as our help "flew the coop" early we had to give them our personal attention. One particularly fine mother was a yearling Rhode Island Red hen that our boy set on thirteen eggs in an outdoor nest. She was very tame and quiet and proved a close sitter and devoted mother. She hatched twelve chicks. The family was placed in a small box coop with wire enclosed run. The run had no top. Our close attention was first attracted to this brood by the mother hen jumping out of the run and foraging for insects, chiefly bugs and moths which she proved an expert at catching on the wing. We thought at first she was merely satisfying her own appetite, but found on watching her that she was foraging for her chicks and nearly every catch she carried back to the run and fed to the chicks. At feeding time she would always cluck and call the chicks and then stand back and let them feed, now and then picking out a choice tid bit for them or breaking up some bulky bit of food. She raised every chick. They were as alike as peas in a pod, all well developed, scarcely an ounce difference in weight and as neat and well feathered a bunch of chicks as we ever saw. Although this Red began laying when her chicks were two weeks old she stuck to her brood until they weighed over two pounds each and probably would have remained with them longer if we had not decided that the family was getting too big for the box coop.

Another brood hen was given ten incubator chicks in addition to the seven which she hatched, all the same age. The incubator chicks in two months weighed nearly half a pound more than the hen hatched chicks. One brood hen hatched one barred chick among a lot of White Rocks. She refused to own the dark colored sport and nearly killed it before we discovered how she felt about it. We had a two-year-old Buff Wyandotte mother that had been given thirty-four chicks half White Rocks and half Reds, hatched at the same time as the small dark sport, so we gave her the much abused little Barred chick. She took it into the family at once and is bringing it up into a promising member of the flock. We had some hens that kept their broods for ten weeks and others that insisted on weaning them when three weeks old. One Buff Wyandotte is still mothering a flock of thirty R. I. Red chicks that are almost fully feathered. She has the same number she started

Read about the BIG BOOK on page 1059



Keeler's White Wyandottes

The World's Greatest Strain

Bargain prices on stock and eggs during June, July and August. 2,000 chicks growing on free alfalfa range. Send for 64-page art catalogue. Special sales list free (5 Red Stamps appreciated).

CHAS. V. KEELER

R. F. D. No. 11 WINAMAC, IND.

Pape's Strain S. C. Bl. Minorcas



are noted for their **Great Egg Producing Qualities** and their **Prize Winning Abilities.**

If you are feeding for egg profit, or if winning in the show room makes you happy—write your requirements today—our prices on yearling and 1914 hatched cockerels and pullets, considering size and quality, will appeal to you. Let us help you.

CHAS. G. PAPE Box B74 FORT WAYNE, IND.

BYERS' STRAIN ORPINGTONS BUFF BLACK WHITE

The best possible value and service is extended you in stock which I now offer and will deliver at ONE-HALF regular price. Secure a doubly profitable purchase now by anticipating your future requirements. That's what every successful business man does. Superb Stars ready for immediate or later delivery—birds with a future. Sale Folder free.

C. S. BYERS (Successful Orpington Specialist 15 Years) **HAZELRIGG, INDIANA**

MADISON SQUARE GARDEN, NEW YORK CHAMPION

White Plymouth Rocks

Win all Honors at the National Show, Held at Washington, D. C., December, 1913

Their record is unbeatable, like their superior quality. At this great National Exhibit they won Cock 1-2, Hen 1-2, Cockerel 1-2, Pullet 1-2, Pen 1 and all Specials. **At Williamsport** this season they again made their second great record, and at Cleveland, Ohio, Chicago, Ill., Boston, Mass., Philadelphia, Pa., they have proven their quality and won highest awards and honors over all, including six Championship Specials for Best Bird at these great shows.

Remember This Champion Line made its best records at America's Greatest Show, **Madison Square Garden, New York. They are now better than ever.** We have a great line of stock to select and fill orders with. They have the best of breeding quality and will give absolute satisfaction. Write for my **Special Sales List of Stock.**

Eggs for Hatching from selected matings, made on quality to produce quality. My circular and full particulars for the asking. Write me.

WEBSTER FARM, Box A, GIRARD, PENN.

LICHTENWALTER'S QUALITY

Buff Plymouth Rocks

For years they have won at the prominent shows, East and West, more prizes than any other line. They have the quality to win and to breed winners. Let me know your wants—I can please you.

Eggs for Hatching: For this year I have made but few matings. They are the best I have ever had, and from which I will sell hatching eggs without reserve. Circular and Mating List for the asking.

E. A. LICHTENWALTER, Box A, GIRARD, PENN.

with although she has been ranging with them all over the place and in the woods where foxes, skunks and hawks abound. While we can handle her or her chicks without more than a fussy protest on her part, it is really dangerous for a child to meddle with the brood, as the old Buff lady is quite a vicious fighter and quick to use beak and claw.

* * *

A number of hen hatched chicks placed with incubator chicks of the same age in a brooder have just about held their own with the artificially hatched chicks, but none of the lot are quite as well developed as a hen brooded flock of the same age.

* * *

Our trial of White Faverolles did not turn out very well this season. We started with a trio. They laid very few eggs which did not hatch very well and ran low in fertility. One of the hens died of acute indigestion after hatching a brood of chicks. All told we have not over a dozen Faverolle chicks. These have grown well and have just about held their own with White Rocks of the same age.

* * *

One of our friends bought 100 Rhode Island Red baby chicks from a poultry plant sixty miles away. He received 104 chicks and raised 102 good strong ones to good marketable size. That's going some for a beginneer.

* * *

We have received a letter from the pathologist of the Health of Animals Branch of the Canadian Department of Agriculture commending our July article on white diarrhoea and calling our attention to the fact that our conclusions are very much the same as his own. He says: "There is doubtless a big 'scare' on the whole subject and I am glad to see that you have started to prick the bubble."

* * *

It sure is a wicked waste of valuable time to fret and worry about diseases, to be always afraid of diseases, addicted to doping habits and to be continually looking for trouble. Those who always look for trouble usually find it. We hear mighty little about disease on the successful practical plants but quite a good deal from small producers and beginners. Why not put in the time to better purpose in seeking for health, breeding for health and constitutional vigor? What we seek we find.

* * *

In the human family will power, enthusiasm and wholesome surroundings do much to prolong the life and promote the health of the individual. We recall a hard-working enthusiastic old lady who died at a ripe old age after many years of hard work, having lived a useful and active life for more than forty years after famous physicians had given her up and said that she could live but a few days at most. A big, vigorous, active man of our acquaintance, now approaching 50, hale, hearty, and busy all the time doing a man's work and enjoying it, twenty-five years ago was told by eminent specialists that he had organic disease, must be careful not to overtax his endurance and that he had but ten years to live at best. Today he has more endurance than any man of his size and age of our acquaintance, is an enthusiastic and active worker, a hearty eater of whatever good food his appetite craves most; works early and late indoors and out and sleeps always in the open air. Enthusiasm, plenty of work and a will that holds tenaciously to the bright side of life will probably keep him with us for many years of active usefulness. There are plenty of such cases and the proportion is on the increase. Any lesson in this for you?

* * *

We had the coldest Fourth of July in Eastern Massachusetts that the "oldest inhabitant" has ever known. In fact, this summer has yielded but very few warm days in our home section of the country. Let 's hope that the weather man will be kind and give us a cool second week in August at Chicago, and that even the heat waves of the hot-air merchants at the convention will be more temperate than in the past. Of course, some of our great monologue artists will be with us and, even with censorship, "it pays to advertise"; but let us pray that the business of the meeting will be handled with neatness and dispatch and more time given to matters of helpfulness and wider interest. If any orator begins to get boresome and overproductive of hot air and redundant verbiage and egotism, let 's hope that the executive will call out the fire department and have a stream of cold lake water turned on him to shut him off and cool down his self-advertising propensities. Have printed in big letters a foot high and hung above the platform where all can see Burns' words:

"O wad some power the giftie gie us
To see oursels as others see us!"

And in quite as conspicuous a position use the old hotel sign:

"Don't blow out the gas!"

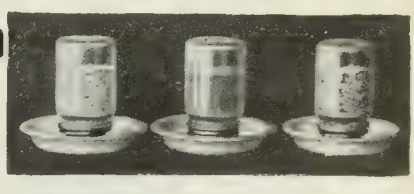
Keifer's White Wyandottes
On JULY first I had cockerels weighing 5 lbs., pullets 4 lbs., with quality fit to win your State Fair. Let me price you guaranteed winners.
FRED B. KEIFER MARSHALL, ILL.

ORPINGTONS
BLUE — BUFF
Prize winning stock and extra good breeders for sale. Not too late for EGGS. Write me your wants. Satisfaction guaranteed.
Henrietta E. Hooker South Hadley, Mass.

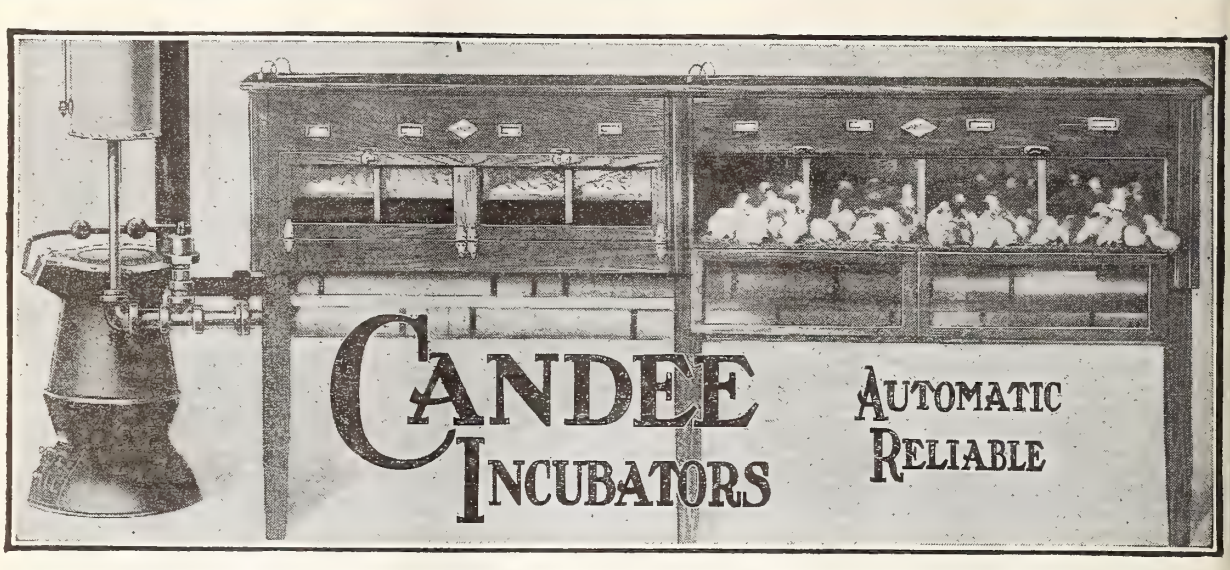
Blencoe's Anconas
Pullets Laying
Great Show Birds
White Orpingtons
At A Sacrifice
MRS. GUY BLENCOE
Alma Center - - Wisconsin

OFFER
To introduce our goods we will send postpaid to any address in the United States, **3 Mason Jar Feeders and Fountains for 25c.**
SIMPLEX SUPPLY HOUSE
PONTIAX BLDG. CHICAGO, ILL.
Get our free catalog of automatic feeders and other poultry appliances

All three 25c


Feed Water Grit
Here are three little labor-saving sanitary devices you cannot afford to be without. They are made of heavy galvanized iron, extra deep, and will fit any Mason Jar

Sunlight S. C. White Leghorns
(D. W. Young Strain)
Greatest Known Layers **Choice Cockerels For Sale**
I am offering eight weeks old cockerels at 50 cents each. Have them up to six months old. Write your wants and I will quote you prices. I have the most promising bunch of cockerels that I have ever raised. Will have no more eight weeks old pullets for sale this season.
Write me for prices on breeding pens. If you want the best in Single Comb White Leghorns, send for catalogue and prices. Satisfaction guaranteed. Best of references. "The most of the best for the least."
SUNLIGHT POULTRY FARM
E. N. Lemon, Owner Lynchburg, Ohio



Your Incubator Either Makes or Loses Money for You

A Candee incubator does more than simply hatch your eggs. It earns money for you hatching other people's eggs.

It earns money hatching chicks to sell to other people.

Today selling day-old chicks and doing custom hatching is the principal revenue of many specialty farms.

They find it the most profitable branch of the poultry business.

Even if you use the Candee only for your own work, you are money ahead.

Time is precious in the hatching season. If you spend it in the incubator cellar you are a loser and your other work is neglected.

Never in Cellar After Dark

Read what James R. Snyder, of Frazer, Mo., says under date of July 2, 1914:

> "I was never in my incubator cellar after dark this season to look at machine. Have never once in season gone to it to tend it but morning and night. Have had no trouble from any cause."

He has a 3,000-egg Candee and he says of the chicks produced by it:

> "I raise 90 per cent plus of chicks hatched in my Candee."

Every day it is becoming more generally known that with a Candee, one man can handle so many times greater incubator capacity with no more work.

For instance, Mr. Snyder reports that he averages only one hour daily handling his machine. His fire and heat regulation only take about five minutes of that time.

It increases a man's earning power. The rule seems to be that a poultryman gets a Candee from five to ten times the capacity that he had in oil machines.

Start With a Candee 1200

You can start with a 1200-egg Candee as illustrated above. This is the two-section size and it has four separate 300-egg compartments. Then whenever you like you add extra sections. The heater first furnished will handle 3600-egg capacity, after which heaters are exchanged free, f.o.b. Syracuse, N. Y., our shipping station.

You save money in fuel. It only costs a few cents a day for coal.

You save your time. Attention twice a day is sufficient.

You get the strongest chicks. Many Candees are purchased because the customer has previously had chicks that were Candee hatched.

Your chicks are better because the steady, even heat in the Candee gives more perfect incubation.

Shipped-All-Built

Getting a Candee installed is a simple matter. In a few hours it is set up and ready for the eggs.

Expert assistance is unnecessary. The heater connections arrive all in place on the heater. The sections are all finished. Simply stand up the legs, couple the two pipes together underneath and set the sections on the legs.

Extra sections are added at the rear in equally quick time.

The Machine for Beginners

Purchasers of Candees include many beginners in poultry. They select the Candee because getting the right incubator is equally as important as getting good stock. Previous incubator experience is unnecessary.

The indications are that it will be especially profitable to start for this next season. A shortage of poultry is predicted and an unusual demand for chicks will likely follow.

With a Candee you will have hatching capacity to produce in large numbers and make greater profits.

You can also bring out your own chicks earlier and at one time.

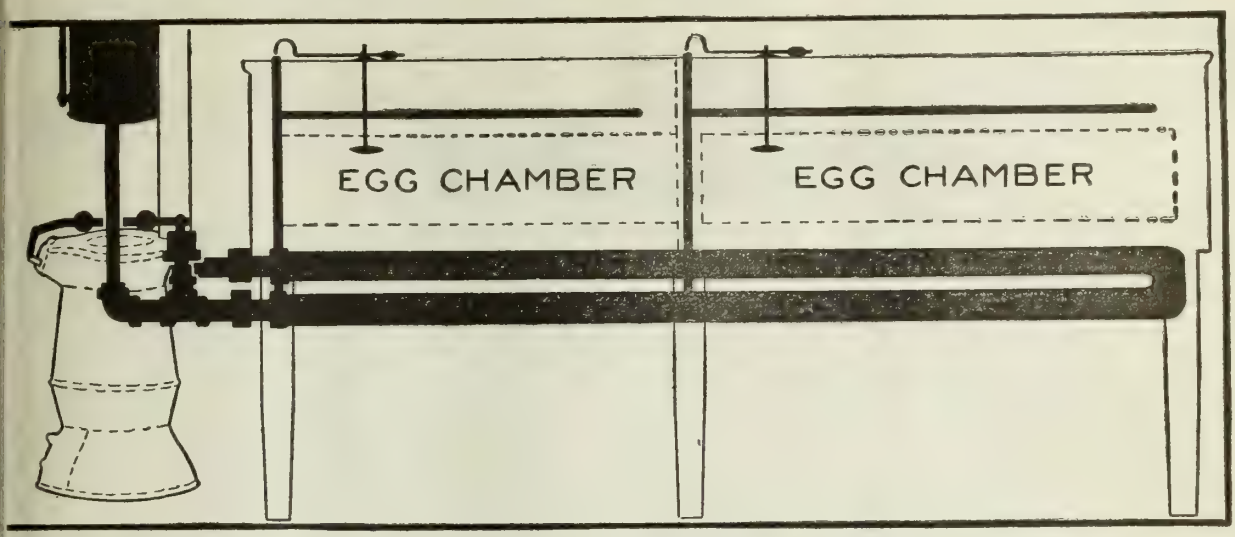
Free 108-Page Catalogue

Investigate the Candee. Write for our free catalogue, showing hundreds of poultry plants. Ask present users and see their stock.

There are more Candees in use than all other mammoths combined. Doubtless there are one or more Candees in your locality.

The Candee record is an open book. Let us supply you with the facts.

Candee Incubator & Brooder Co., Dept. 2, Eastwood, N. Y.



THIS illustrates the Candee heating System of the 1200 egg size, shown on the opposite page. Note that the main heat supply is entirely outside the egg chambers and that the heat only enters the compartment radiators above the eggs as needed. The main heat supply, that is, the heater drafts, is regulated automatically. Each compartment radiator hot water supply is also regulated automatically. If the cellar warms up, less heat is admitted to the egg chambers, and if the cellar cools off, enough more heat flows in. Also each compartment is set separately and run at the exact degree of heat required for the length of time the eggs have been in. It is all done with regular thermostats and simple packless valves that do automatically the work that would otherwise have to be done by hand.

Uses Both Incubator and Brooding System

AN UNSOLICITED LETTER FROM A CANDEE CUSTOMER

GREENWICH VILLAGE, MASS., June 29, 1914.

Gentlemen:—

I have intended to write you my appreciation of your incubator and brooding system and their good work in my hands, but the rush of business caused my neglect.

My machine has done extraordinary good work this year—all poultrymen around here have been complaining of poor hatches, but with me things have been "pretty rosy." I am only regretting one thing, and that is, I should have got a machine twice as large. Between now and next February, however, I shall have two more sections.

My brooding system has proved to be wonderful. April 15th, with chicks hatched from my own eggs, and fourteen hundred in the house, the older being six weeks old, I had lost just twenty-seven. My first section hatch I raised to date, twelve weeks, and lost but one chick. I can raise every strong chick I put into my brooder until weaning time. Have done it right along to the astonishment of my friends. You will recollect that I constructed a combination house with colony pens. In these pens are roosts about a foot from floor, and it is not long before chicks are roosting.

I have certainly been satisfied thus far and feel that your system is THE system. Of course the cost of installation is considerable—not that individual brooders of similar capacity would not cost more—but because the outlay must be made at one time. But it pays. The comfort of working in the house and ease and economy of operating is a big item outside of the healthy and rugged chicks it turns out. I could never go back to lamp brooders or lamp incubators.

I take pleasure in recommending your systems and your goods to my friends. With best wishes for your continued success, I am,

LOUIS A. FAVERIO.

Brooder Heaters for All Kinds of Hovers

WE carry 12 sizes of heaters and are able to supply the exact size required — neither too large or too small. Each heater has an automatic water regulator. They can be used with the regular hovers, or with overhead systems. These heaters are noted for their reliable operation—coal them once or twice a day and they will furnish a steady supply of heat.

They save labor, are economical of fuel and the hot water heat can be delivered exactly where you want it.

What About the Chicks?

Success in brooding depends upon a steady heat for the chicks. The results are shown in the mortality and the kind of chicks.

The success of the Candee is based upon the astonishingly small mortality and the steady growth of the flocks.

"I never saw chicks do so well" is the common expression.

What Have You Now?

Our heaters can be easily and quickly installed. For small houses our No. 2 brooder heater will satisfy you perfectly. Hovers can be temporary or permanent. Write us the size of your present building and also how many chicks you want to brood at one time.

Complete Building Plans

We supply free plans for

Double Brooder House

Single Brooder House

Systems handle from 300 to 3000 chicks at one time.

Hovers are furnisned either as stationery or adjustable. The latter is most convenient and you can have any fractional degree of temperature.

Beyond question, our customers have established the fact that Candee systems brood most cheaply, with the least work, and that the chicks "do the best."

Their results year after year are a matter of record.

May we send you our catalogue? Write today.

Candee Incubator & Brooder Co., Dept. 2, Eastwood, N. Y.

Home and the Table
Good Things for Everybody

Helen J. Woods, Editor

I hear you, little bird,
Shouting a-swing, above the broken wall.
Shout louder yet, no tongue can tell it all.
Sing to my soul in the deep still wood;
'Tis wonderful beyond the wildest word;
I'd tell it, too, if I could.
Oft when the white, still dawn
Lifted the skies and pushed the hills apart,
I've felt it like a glory in my heart
(The world's mysterious stir),
But had no throat like yours, my bird,
Nor such a listener.

—Edwin Markham.

THE INDIVIDUAL who gazes casually, uninterestedly at the world about him, finds it, for the most part, but a paltry place. Other countries, other localities, with a lure of distance, lend a certain charm and desirability which the home place lacks. We have grown accustomed to the same trees, the same brooks, the same pictures on the wall, the same faces which greet us morning and evening, and we no longer appreciate their true worth. Not even do we fire our minds with the possibilities arising from their possession. Instead, we dream of the ocean views on the other side of the continent, of the grandeur of the Alps, whose peaks we have not been sufficiently favored to yet look upon, the marvelous canvases in old world galleries, or the men and women of renown in art, literature and statesmanship. We actually marvel that so little of value has been placed at our doors, and that we, who long for great things, should have been so disadvantageously disposed of.

It is a strang thing, but nevertheless a fact, that the gold mines under our feet have to be discovered and proved of worth by people from afar. We should continue to trample under foot the treasures of our particular locality from childhood to tottering age but for the stranger within our gates. These river views, or wooded lanes, or quaint old homesteads, are old stories to us who see them daily. We find little or no joy in their nearness.

One of the finest and most worth while things that the human mind has ever set to work upon is that of the possibilities of present possessions. We have all dreamed of what we could accomplish with great wealth, or infinite knowledge, or unparalleled ability in any line at our disposal, but the real question for each of us to solve is what we can, with the tools at hand, make of what we have. And no man to date has ever reached the limit of his possibilities. There are always greater things that he can do, deeper problems that he can solve, greater kindnesses that he can bestow, ever more worlds within himself that he can conquer. His mind is limitless, his powers are what he makes them. And the beauty of it is that there is ever so much of joy to be found in the doing.

One of the chief of our difficulties today in getting the best there is out of the stuff is that our human machinery has not been given much of an opportunity to develop its capacity. We bind children into drudgery before they have begun to appreciate the value of work. We stunt their natural play time, repress their eagerness in ferreting the why and wherefore of things. Very fine human machines have been relegated to the scrap heap by lack of care and consideration as regards their development and upkeep. On the other hand, no engineer, machinist or trained worker worthy the name would neglect to clean, oil and otherwise keep in the best workable condition the machinery by which he accomplishes his work. Yet only by the workings of the human machine have these marvelous mechanical devices been made possible.

No individual ever really hated his work who had been fitted and trained to do it. No one really dislikes his surroundings whose eyes are trained to see the beauty and possibility of greater beauty in them. It is the lack of anything worth while in sight that makes work, or even life itself, distasteful and uninteresting. The child who is driven from one disagreeable task to another, without so much as an appreciative smile or an "I thank you," from his task master, learns to know work only as the veriest drudgery, it becoming meanwhile more and more distasteful to him. But the possibilities resulting from work are to any child a delightful problem. Indeed, we need a vista of something worth while to work for in anything we may undertake. The mere work itself would not interest us were it not for what work brings about.

There is not a town, a community, a home in the land but that has possibilities undreamed of by the occupants. All they need is a little freer use of the imagination, a little more enthusiasm and courage, a greater amount of team work, and the apparently impossible is brought about. The town, the community, the home, all need to be made more beautiful. The schoolhouses and their surroundings the country over are a disgrace to the nation. It will take enthusiasm, courage and team work to make them anything approaching beau-

MALLARD DUCKS, DOMESTICATED
WILD ROSE FARM - Poultry Department - ST. CHARLES, ILL.
We are also Breeders of ORPINGTONS
BUFF — BLACK
16-page Free Catalog



Jacobus Campine Bargain Sale
BREEDERS MUST GO TO MAKE ROOM FOR GROWING CHICKS
M. R. JACOBUS Original Introducer Box 3-J, RIDGEFIELD, N. J.

GREAT **ALLENTOWN** FAIR
POULTRY SHOW
Allentown, Pa., September 23-26, 1914
Noted for the way it Does Things and Things It Does
Sixtieth show, eighth under the present management. Fearless in its honesty, knowing no difference between small and big exhibitors. Original in its methods, copying no one. And best of all, paying perhaps the highest prize money this year, on its entry fee, of any show in America. Entries close Friday, September 11th. For premium list address Harry B. Schall, General Secretary, Allentown, Pa. On all matters pertaining to the show address the
HARRY EDELMAN PIGEON SHOW
Secretary-Superintendents
W. THEO. WITTMAN POULTRY SHOW

Parsons' Poultry Plant

S. C. Wh. Orpingtons R. C. R. I. Reds

Write for Our Winnings

R. F. D. No. 1 Box 41 AVON LAKE, OHIO



The "Signet" Aluminum Leg Band

Adjustable—Signifies Quality

Price 12-15c; 25-20c; 50-35c; 100-60c. "Silver Tip" Pliers for applying all kinds of bands. Price 10c, 3c extra for postage. Mention A. P. J.

W. J. BALL, SALEM, OHIO

Stop the Brooder House Losses

It is less work and expense to raise chicks right than it is to half raise them in the old style hover brooders. Our free book tells all about it. Write for it today. Here is some proof.

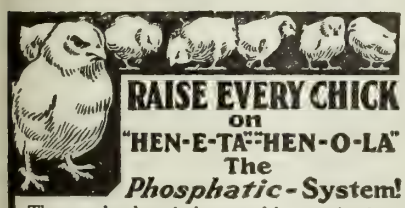
"We are just writing a line to say that we have had your two large stoves in operation some two weeks and find them thoroughly satisfactory in their work and practically no trouble to operate. Kinnear Poultry Co., Sussex, N. B., April 7, 1914."

Don't delay but get a Duplex and make more money out of the poultry business than you ever thought possible.

DUPLEX COLONY BROODER CO., Box 500, Rockford, Ill.



Don't Be Without It



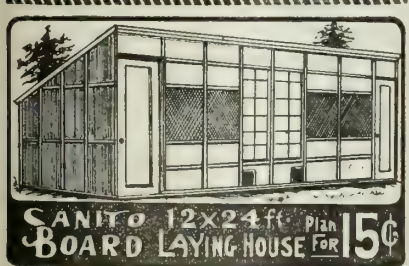
RAISE EVERY CHICK on "HEN-E-TA" "HEN-O-LA" The *Phosphatic*-System!

The more phosphorus in the egg and the more phosphorus in the egg-shell, the greater the fertility, the better the hatch and the hardier the new-born chick.

The Hen-e-ta-Hen-o-la System eliminates all bowel-trouble; reduces mortality to a minimum; grows and develops the chicks faster and cheaper into strong, rugged, healthy "egg-producing" birds.

Ask your dealer or write us for new booklet, entitled: *"The Successful Way to Grow Little Chicks."*

HENETA BONE CO., Dept. 1, Newark, N. J.



Stop Fighting Vermin Build your house of Sanito-Boards.

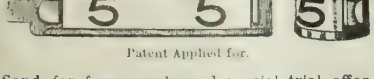
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tiful, but it can be done. The natural landscape in practically any vicinity possesses some beauty. It may be trees, shrubbery, or brooks, hillsides or valleys, fields of grain or pasture lands. Only by the hand of man has the beauty of a community been blighted, and it is the duty of the inhabitants of such communities to restore the beauty of these waste places, and make them blossom as the rose.

The progress of the world is that of making things better than they have been made before. We hear a great deal about the good old days, but none of us would be willing to revert to them. The training that we received will not suffice for our children. There are more things in heaven and earth than are dreamt of in our philosophy. We can only begin to help the children to an appreciation of their own possibilities, to enthuse them with a desire for the betterment of present day conditions, to train them to value work for the result which it brings about. And this does not mean our children alone but our children's children, our neighbor's children, — every child, everywhere, trained to earn his or her living, to be regarded as someone in particular, convincing him that he is, and giving him the opportunity to prove it. Every man, woman and child, every town and community has something worth while if we will but bring it to the foreground. Get acquainted with your town, with your community, your family and make it a point to appreciate the beauty and worth while things to be thankful for. The unsightly things, the jarring element, the disturbing factors can be done away with in time, but for the present let us keep them in the background of the things beautiful we have all about us. If such things seem to you to be few and far between, take up at odd moments a study of the birds which favor your community; and the days and weeks to come will take on a new interest for you, from the time of the first returning robin in the early spring, through all the delightful acquaintance with bluebirds and orioles, goldfinches, phœbes and vireos, with an occasional cedar waxwing and gorgeous woodpecker to stimulate the admiration for these wonderful inhabitants of the great out-of-doors. A study of the birds will prevent a lagging interest in your surroundings, and open up a world of delight to you. Equip your mind with interests which no calamity can crush. Make of it a veritable storehouse of ideas and possibilities, where, no matter what disaster may face you, there remains a refuge of delight within yourself. Most of us need either more play with our work or more work with our play. To get the best out of life, we must give our best. Adulthood should be but a continuation of a happy childhood in which a mixture of work and play combined, with a keen and unspoiled appreciation of the little things, make up a happy, well-filled life.

Delicious Salad.

Select firm ripe tomatoes and place in the ice chest until thoroughly chilled. Then scoop out the pulp, salt and pepper the inside to taste. Peel and dice small green cucumbers, Bermuda onions, celery and green peppers, combining them with a mayonnaise dressing and fill the tomato cups with this mixture. A little grated or crumbled Neuchatel cheese may be sprinkled over the top. Place on platter and



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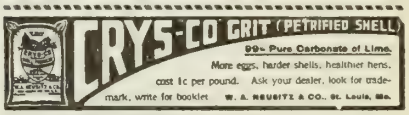
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allow to chill and garnish with sliced cucumbers.

Blueberry Cake.

Cream half cup butter with one cup sugar and add well-beaten egg. Sift together two cups flour and two level teaspoons baking powder and add alternately with one cup milk. Fold in one cup floured blueberries and sprinkle sugar over top. Bake in medium hot oven. Serve immediately.

Mahogany Cake.

By L. S.

Cream one-half cup butter with one and one-half cups sugar; add two beaten eggs and one-half cup sour milk in which one level teaspoon soda has been dissolved. Sift two cups flour with one-half teaspoon salt and add to the former mixture together with two tablespoons best cocoa or one and one-half squares melted chocolate dissolved in one-half cup boiling water. Flavor with one teaspoon ground cloves and cinnamon mixed, and one teaspoon vanilla. Bake in medium hot oven.

Chocolate Frosting With Nut Meats.

Mix one and one-half cups sugar with two tablespoons cocoa, add a sprinkle of cloves, cinnamon and salt, a small lump of butter and sufficient cream so that the mixture will pour from a spoon. Allow to boil until it drops in bubbled masses from a spoon. Remove from stove, add chopped nut meats, flavor with vanilla, and beat until proper consistency to spread over cake.

Baked Tomatoes.

By L. S.

Cut a slice from the top of round, ripe tomatoes and remove the pulp. In a frying pan melt a lump of butter, add a tablespoon of chopped onion and half a tablespoon chopped green pepper, and allow to sizzle on back of range for ten or more minutes. Add a half cup bread crumbs and one half cup chopped ham and season with pepper and salt if necessary. Fill the tomatoes with this mixture and bake in a moderately hot oven, basting with butter frequently.

Nut Bread.

By L. S.

Sift two cups each of white and graham flour with a heaping teaspoon salt. Add one and one-half cups sweet milk with one beaten egg and one cup of molasses. When thoroughly mixed sift in four teaspoons baking powder and one cupful of floured and chopped English walnut meats. Place in buttered tins and allow to rise twenty minutes. Rub melted butter over the top of loaves and bake slowly for one hour.

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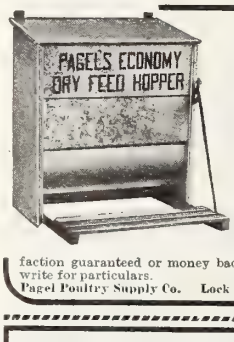
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CAPON DAY.

By George Beuoy, Cedar Vale, Kans.

"CAPON DAY" is becoming a common occurrence once each season in many poultry sections. Hundreds of letters are reaching me asking for information on arranging a program for "Capon Day." As the object of the meeting is to find a profitable way to "Swat the Rooster," it is best to arrange with someone that is familiar with caponizing to give a short talk and demonstration on live birds. Caponizing has become so profitable and popular in the last few years that in almost every community there is someone that can be had for this purpose. It is always best to get a local party to do this, if possible. In the last few months I have lectured and given demonstrations at more than a hundred towns in Kansas, Missouri,



A 12-LB. WHITE ROCK CAPON.

Oklahoma, Arkansas, Texas and Louisiana. These "Capon Day Meetings" were all well attended; in fact, at many of them there were several thousand people in attendance. All together I am sure that I have explained and demonstrated exactly how to make a capon to more than one hundred thousand people, in the year just passed. Many of these "Capon Day Meetings" were gotten up and the expenses paid by the farmers' institutes. I had more calls from this source than I could fill. Over in Missouri, in connection with their series of field meetings, the capon lectures and demonstrations were featured and the necessary expenses paid by the Missouri State Poultry Board. That prince of poultrymen, "T. E. Quisenberry," arranged and planned the series of nine meetings in his principal poultry sections. The result was a big crowd in attendance at every meeting. I am certain that there was over two thousand people at every meeting and as many as five thousand at several. At Mountain Grove, where the Missouri State Experiment Farm is located, the public schools were closed so that the pupils could attend the meeting. At that place I had several hundred children to show and instruct about making capons. Down in Wayne County, in southeast Missouri, the county superintendent ordered every school in the county closed so that the teachers and pupils could attend the poultry meeting. The superintendent was on hand himself to see that they were all there and properly instructed. So much interest was stirred up at this meeting that a rep-

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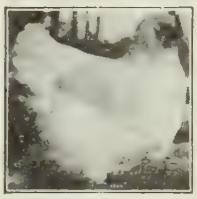
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resentative of the K. C. S. railway, who was at many of the meetings, arranged for a special demonstration train over his lines, and one car was fitted up for the poultry exhibit, and a large display of capons was featured. I was placed in charge of that car and gave the lectures and demonstrations at twenty-six towns on that system between Kansas City and the Gulf. At every place I met several men and ladies that were just as expert at making capons as I or anyone else, and could have given the talk and demonstrated on the subject equally as well. So I am convinced that a "Capon Day Meeting" can be and should be arranged in every poultry growing section this fall. Modern conditions demand modern methods and caponizing is the only modern profitable way to "Swat the Rooster." Get busy and arrange for a capon day. Have a bunch of birds; have them in condition and



Capon and chicks—one way to raise prize winners.

of the proper size and condition to work. Select little roosters that are about like a quail in size and appearance. Get them before the comb and wattles begin to redden or develop. Have them off feed for at least thirty-six hours; during that time be doubly sure they do not have anything to eat or drink. These two things are very important in making capons. If they get anything to drink they will be sure to bleed. If they do not drink they will not bleed. If they eat you will not have room to do the work. So be sure to keep food and drink from them for thirty-six hours. This will be no hardship to a chicken as nature has provided him with a crop for carrying a supply of food and water that it takes nature thirty-six hours to exhaust. Good results cannot be expected if the operation is performed while food or water is in his system. It is not necessary to have anyone to show you how to caponize. I believe the average person will learn it quicker and better to get out by themselves and commence on a dead bird. One that has just been killed to eat, and practice up in that way. Follow the instructions that come with the tools that you must have to do the work with and anyone can do it. Many people are slow to take up anything of this kind and until they have seen someone do the work and realize how simple and easy it is, they will not get started. Hence the value to the community of a "Capon Day." I am getting a lot of letters from people that started last year after attending a "Capon Day Meeting." I have a letter before me from J. J. Slattery, of

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None Better Bred
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TRETHAWAY'S
Anthracite Strain S. C. Black Minorcas
Four of the best pens I ever mated, and will produce WINNERS for you next fall and winter. Send for mating list.
ARTHUR TRETHAWAY
45 Parrish St., - Wilkes Barre, Pa.

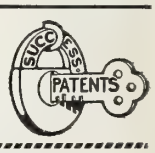
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Prairie State Portable Hovers
Made of galvanized steel. Designed to fill every requirement of those who brood flocks of 50 to 100. Fire-proof--Positive ventilation--Automatic regulator. Burns one pint of oil in 24 hrs. Each $8.50. Full information of all kinds of brooders free. Prairie State Incubator Co., 201 Main St., Homer City, Pa.



Wh. Wyandottes
Won silver cup for best display at Philadelphia, 1913. 200 breeders for sale at $2, $3 and $5 each. Send for free catalogue.
Carr Bros.' Celtic Poultry Farm
VINELAND - - NEW JERSEY

Patent Your Inventions
Poultry devices a specialty. Expert service. Terms reasonable. Valuable patents solicited. Learn my plan. Address
Lester L. Sargent
Patent Lawyer
716 12th St. Washington, D.C.





Reduction
Eggs $1 per 15; $6.50 per 100.
Brown and White Leghorns, Rocks, White Wyandottes and Reds.
You know Kulp quality. Catalogue. Mention A. P. J.
W. W. KULP
Box 70 Pottstown, Pa.

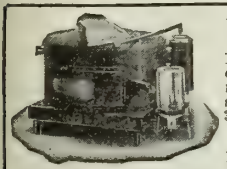
S. C. WHITE LEGHORNS
I have some well bred hens for sale. One to two years old. Write for prices.
A. D. TAYLOR, R. 5, SPRINGFIELD, ILL.

Wanted Position as Poutryman. Expert on Orpingtons.
Art C. Gilbert, So. Lincoln, Mass.

LLENROCK REDS
Surplus cocks, cockerels and breeders at half price. Write today. Mention Am. Poultry Journal.
JOHN E. HOUCK, Black Creek, Ont. HENRY W. ALT, 87 Fuller St., Buffalo, N. Y.

Deer's White Ply. Rocks
WRITE YOUR WANTS.
F. L. DEER R. R. 1 FRANKLIN, INDIANA

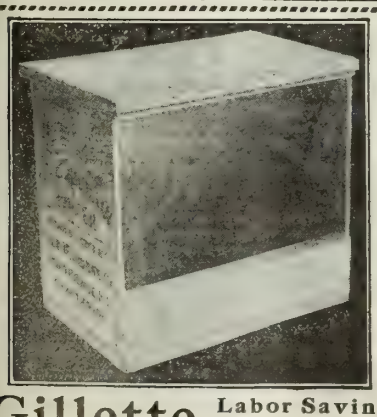

Crown Bone Cutter
Cuts up scrap bones easily and quickly—no trouble. Feed your hens fresh cut green bone daily and get more eggs. Send for catalogue.
Best Made Lowest in Price
WILSON BROS., Box F25, Easton, Pa.


THE "AXFORD"
Hatches large, healthy chicks. No cold corners. The original sand tray incubator. 39 years on the market. Send for circulars.
Axford Mammoth Hatchery
729 E. 45th St., Chicago, Ill.

Hilldorfer Blk. Minorca
BREEDERS FOR SALE
1000 choice birds to sell of my best breeding lines. Write for prices on wants. Mention A. P. J.
J. P. Hilldorfer, Saxonburg, Butler Co., Pa.

LO-GLO Electric Incubators

Hatch by Electricity
Absolute Control of
Heat, Moisture, Ventilation
LO-GLO Incubators embody in the highest degree every qualification for the successful hatching of strong, vital chicks from every hatchable egg.
All Steel, Odorless, Smokeless, Sweet, Sanitary. Prices no higher than other standard makes.
Lo-Glo Electric Hovers from 50 chicks up to any number
Don't fail to write for **FREE BOOKLET** and learn how easy and pleasant it is with electricity to have big hatches of strong, vigorous, healthy chicks. STANDARD ELECTRIC INCUBATOR CO., 74 Greenwich St., New York.


Gillette Labor Saving Equipment
Send $1 for this 12-qt. Dry Mash Hopper. Delivered anywhere east of the Mississippi River. Proper allowance made for all points west of the River. Gillette Dry Mash Hoppers are made in various sizes; single and double. The Gillette Automatic Hopper is the standard for practical poultrymen. Printed matter for the asking. Mention A. P. J.
FRED W. MORSE CO., Mfrs., Providence, R. I.

Wichita, Kans., where I gave a lecture and demonstration in connection with a Kansas State Poultry Show. Mr. Slattery says 1913 was a very good year for capons, considering the fact that this was the first year that caponizing was done to any great extent. Personally I caponized 927 birds, and of that number I only lost 16 and two of them from not getting the proper care after the operation. They were let run with old hens and, to make it worse, there were two old roosters in the pen. It was lucky that they were not all killed. As you know, they should have been kept in a pen to themselves for a few days, right after the operation. Out of the 912 I only had two "slips" develop. Can you beat it? I feel proud of that record and I think the instruments you recommend are the principal, if not the main, reason for that good record. Now about the profit made on capons. They were a new thing here and the local buyers did not know what they were worth; the best they would offer was 14 cents per pound, live weight. But I found a market for all the capons I had made. I just called up the wealthy people on the phone and explained to them what a capon was and that they should just try one. In that way the first day I got 14 orders for capons. The people that bought them liked capons so well that they came back for more and told their friends, and in that way I was able to sell all the capons that were for sale. I charged the people that raised the capons 25 cents for my trouble and everyone was satisfied. I sold the capons for 25 cents per pound, live weight, which we considered a very good price, as they averaged around ten pounds each. I saw a little farther ahead, however, and did not sell my own capons until the month of March and then sold them for $3.00 each, to be used as brooders, and was not able to furnish half enough at that price. I know that my capons made me a net profit of more than a dollar and a half each. Anyone can do just as well as I did. It is "pie" to sell capons as foster mothers. People surely want them. From present indications 1914 promises to be a better year for capons than 1913, as everyone here that is raising chickens is planning for a few capons this season. Mr. Slattery's plan for building up a local demand for capons is a good one. Emory McClung, Bridgeport, W. Va., writes that capons are bringing 35 cents per pound at his town. He states that they commenced making capons there some three years ago, and the demand has become so good that the price has gone up accordingly. Richard Butler Produce Co., Kansas City, Mo., have just written me that they wish to contract for five hundred young capons alive, to be delivered in October this year, and that they will agree to pay 18 cents per pound for them in five hundred lots or less. They wish young capons so that they can feed them out themselves. Three years ago most of the capons produced were made and grown in the eastern states. Now the conditions are changed and Missouri, Kansas and Oklahoma will this season produce more capons than all the eastern states combined. I have the proof to convince anyone that will take the trouble to investigate the truth of that statement. Capons are the most profiable part of the poultry business, and they have come to stay. Arrange a "Capon Day Meeting" and help to get your share of this good business.

Exhibition Birds Ready

Our Cockerels and Pullets have already reached grand development and await your orders for the show room.
Eight Successful Show Seasons
with the majority of first prizes at the leading shows is the enviable Sunswick record. In addition, our customers have won hundreds of prizes. We can and will give you great stock direct descendants from this winning strain of
Sunswick Farm S. C. Buff Orpingtons
Our birds are famous for their great laying capacity and early maturity. Splendid utility and breeding stock always on hand, but we advise early reservation for show birds. Catalog sent immediately upon request.
SUNSWICK POULTRY FARM
RUFUS DELAFIELD, Owner
Box J South Plainfield, N. J.

Ward's Champion Dark Cornish
Summer sale of breeders now on. Some exceptional bargains in imported stock. Booking orders for show birds for the early Fall shows.
John W. Ward Jr., Box 7, Pennington, N. J.

THORNLEY'S ANCONAS
Specialty breeder of the best single comb in America. Show stock, chicks, eggs and line-bred winter layers for sale reasonable. Circular free.
WILLARD J. THORNLEY R. D. 1, Box 36 MARIETTA, OHIO

START RIGHT Too many chicks are lost through bowel trouble. Feed your chicks Blatchford's "Mammoth Chick" Milk Mash. Order from dealer or write us.
Blatchford's Calf Meal Factory, Waukegan, Ill.

Andrews' W. Wyandottes
World's record for winning at Boston. Eggs half price. Book your order for show birds for Fall and Winter Shows now. Send stamp for 24-page catalogue.
J. W. ANDREWS, Box A, Dighton, Mass.

Meat Scraps
WRITE FOR PRICES
HINE BROS. CO.
U. S. Yards 4023-37 So. Ashland Ave.
CHICAGO Dept. 1 ILLINOIS

Flanders' S. C. White Leghorns
Send for catalog of Flanders S. C. W. Leghorn eggs, matings, day-old chicks, etc. The greatest prize winners at the last National (Official) Poultry Show. Unequaled for exhibition, flesh, flavor and hardiness and cost no more than others' second-grade.
Flanders White Leghorn Farm
Box 80 Orchard Lake, Mich.

Little Giant Stock Food Tonic
The Phosphorus-Food
Is *all* medicine and food. *No* fillers used. Contains correct amount of phosphorus needed by all live-stock. Composition and analysis on every pail.
5 lb. tin $1; 10 lb. $1.50; 25 lb. $3.
If your dealer cannot supply you, write us.
Little Giant Stock Food Co. Newark, N. J.


45 Varieties
Land and Water Fowls
Send for free illustrated catalogue, which tells you much you should know. Stock and eggs at all times. Mention A. P. J.
S. A. HUMMEL Box 52, Freeport, Ill.



All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Pettey, State St., Belvidere, Ill.

WHO IS RIGHT?

EARLY in June I wrote two prominent breeders of Single Comb White Leghorns, asking them whether or not they hatched during June, and, if so, to quote me prices of day-old chicks. I explained to them that I was anxious to make an experiment with chickens hatched during this month, but on account of extremely warm weather did not care to do the hatching in this locality. In other words, I wanted to experiment with chicks hatched in a milder climate but reared in the South. One of these breeders is located in New Jersey and the other in Pennsylvania—not very many miles apart—and their replies are really interesting, in that each claims to speak from experience; still, each contradicts the other. I do not think I am violating the confidence of either gentleman by quoting the replies I received. The New Jersey breeder wrote me as follows:

"Replying to your favor of the 15th, I beg to say that our last hatch will come off about the 28th of June and I will be glad to fill your order for the chicks at the special price we have advertised this season—15 cents apiece in lots of less than 100. If you can take 100 we can quote you $12.50 per hundred. . . . I think that your idea to experiment with June hatched chicks is a very wise move. Of course, another season, if you will give me a good-sized order for July 1st hatched chicks, I can make you quite a special price on them, as up North people do not want them. For myself I will say that a hatch of four years ago on June 24th produced a larger percentage of record layers than any other hatch I ever have had. There is more buncombe going around from mouth to mouth in the chicken business than sound sense, and this idea that a June hatched chick is no good is one of them. The fact remains that Nature selects June to hatch the vast majority of chicks, of which the hens, if left to themselves, will bring out more chicks than any month of the year, and in the hatching business you cannot beat Nature. Awaiting the pleasure of your further advices, I am."

The Pennsylvania breeder wrote me as follows:

"Replying to your favor of recent date, beg to advise that we do not hatch chicks after June 1st. We note your remarks in reference to June hatched chicks. It has been our experience, even here in the North, that these cannot be handled profitably for hatches after the early part of June, and your idea that these chicks will come into laying by the middle of November is, in our opinion, a mistake. They may lay an egg for each fifty chickens, but as to produce to profit, they will not do it."

These gentlemen are both progressive, twentieth century poultrymen, successful both of them, and both operate large egg farms. Their farms are located in the same section of country—not more than two hundred miles apart—yet their opinions on the same subject are exactly opposite. These replies certainly startled me, but left me right where I was before I wrote to them. I thought that if I would bring June hatched chicks into laying by the middle of November, I could save considerable time, money and trouble, and when I asked the opinion of men who certainly are in a position to know, behold the results of my inquiries. I would like to see expressed, through your columns, opinions of other breeders, as the matter is of vital importance to me. L. P. Hext.

Savannah, Ga.

REPORT OF THE MISSOURI EGG-LAYING CONTEST FOR JUNE, 1914.

WE HAVE 1,040 hens in the contest and 425 of them were confined to broody coops some time during the month of June. This cut our egg yield to 16,430 eggs for the month, which now makes the grand total 106,579 eggs. Our pens have all made good general averages as a rule. But there has been no startling or sensational record thus far, and we are glad it is so. Nothing tends to discredit really helpful work more than these sensational and almost unbelievable records, even though they be absolutely true.

The White Leghorns from England are still gaining each month. They have made the best monthly record for five months out of seven. Someone said the whole secret of winning in an egg-laying contest was in having your birds ready to start off the first month with

289 Eggs RECORD FOR 1 HEN IN 1 YEAR **212 Eggs** AVERAGE RECORD FOR 10 HENS IN 1 YEAR

In addition to this, my birds won 296 out of a possible 305 firsts last year, 89 specials; 28 silver cups, one A. P. A. Gold Medal, 8 A.P.A. silver medals. Grand Breeders for sale. Send for special sale list. **BARRED ROCKS, COLUMBIAN WYANDOTTES, BLACK ORPINGTONS**

J. H. WENDLER - - - - - - - LAKELAND, FLORIDA

WHATGLEN FARM Champion S. C. Black MINORCAS

Madison Square Garden, N. Y., Winners. Since 1906 birds of my breeding and of my line have won at the leading shows the country over. Their record is history—commending them for highest quality and greatest possible worth. I offer mated breeders, line bred, in any desired number, having the largest farm and largest stock. **Eggs for Hatching** from selected pens, $5 per 15. From special matings, $1 per egg. Write me your wants and for catalog, please. **Whatglen Farms, Frank McGrann, Owner, Hiram Demmy, Jr., Mgr., Lancaster, Pa.**

White Orpingtons *Superb Type and Superior Quality*

January and February Hatched Youngsters for Sale

Never have I had young chicks prove more completely the claim made for them regarding TYPE and QUALITY than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in January, February and March. As it is possible to detect any minor faults in birds after they are eight weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced. These are ready for delivery now—large, vigorous, massive birds raised on acres of blue grass sod.

Older Stock at Bargain Prices

Due to the fact that I must make ready for this younger stock, it will be necessary to dispose of a number of hens and cocks on the breaking up of my breeding pens the first of June. These, of course, must go at attractive prices; and here is an opportunity to get some foundation stock, the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000 acre Elmendorf Farm. An extra fine lot of young Duroc-Jersey pigs for sale.

RUSSELL CAVE POULTRY FARM
ELMENDORF STOCK FARM

LOUIS LEE HAGGIN, Prop.
R.R. 3, Box 1025, LEXINGTON, KY

CREDE'S SUPERIOR S. C. ANCONAS

FOR SALE: Yearling hens, $1.50 each; cocks $3.00. Utility cockerels 10 and 12 weeks old, $1.00 each. A chance to improve your flock at small cost.

CREDE'S SANITARY POULTRY YARDS - ELGIN, ILLINOIS

BARRED PLYMOUTH ROCKS

Annual breeders sale June 1st. Choice breeders $8 to $20 per pen. Satisfaction guaranteed. Get description

ACME POULTRY YARD C. A. Gifford, Prop. RUSK, TEXAS

A GOLDEN OPPORTUNITY

To secure some of the best S. C. Reds in the world. Eggs from my Reds will be sold at ½ price after May 15, from all matings listed at $5.00 per setting of 15 and above this price. Hatch your Winter show birds now. Remember, my Reds have been the most consistent winners in the big shows of any strain. Catalogue free. B. H. SCRANTON, Box 350, RISING SUN, IND

SEND FOR OUR CATALOGUE

It explains the Schwalge System of Hot Air Mammoth Incubator Sections.
It will show you the most practical modern method of incubation.
This machine has been thoroughly tested and tried in the experimental stage and one of them hatched over 5,000 duck eggs last season.

Schwalge Bros. & Smith, Box 100, Elmhurst, Ill.

Single Comb White Leghorns

Yearlings, cocks, $1.00, $2.00, $3.00; hens $12.00 per doz.; cockerels, 75c. Laying Bred.

JOSEPH STENZ & SON FOND DU LAC, WIS.

Poley's World's Best Buff Rocks

Again Win First Display at Madison Square Garden, N. Y. Dec. 1913

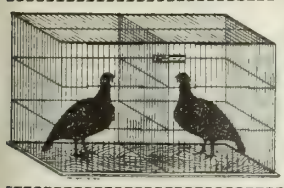
By winning 1st Cockerel, 1st and 4th Pens, 2nd Pullet, 3rd Hen and shape and color specials. Stock and Eggs always for sale. Write for 1914 mating list.

LINFIELD POULTRY FARM John W. Poley, Prop. LINFIELD, PA.

Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, half price now. Write for mating list.

Harry Cass -:- Buffalo Hart, Illinois



SENT BY PARCEL POST

Let us show you how we can send you these wonderful coops by **Parcel Post, Delivered** to your home for less money than you can purchase coops of inferior quality in your city.

We also make a specialty of benching shows on a rental or we will sell you the entire outfit. In any event get our prices and terms before placing your order. We can please you and save you money. Write for catalog.

KEIPPER COOPING COMPANY
1405 FIRST STREET MILWAUKEE, WIS

Palmer's White Rocks

We have a fine lot of this season's breeders for sale, for both utility and show purposes. Our birds have won at such shows as **New York State Fair, Buffalo, Rochester Industrial Exposition, Williamsport, Pa., etc.** Bred for years on free range. Send for price list. Mention American Poultry Journal.

"THE GLEN" POULTRY FARM Fairport, N. Y.

Felch Offers

The product of his breeding pens of 1914 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts

a lead, and that was the only reason the English birds won in our contest last year.

This statement is not borne out by the facts in either of our three contests. The pen which won the first year did not get an early start, but did well in later months. The pen which won last year made a gradual gain over competing pens each month in the year. The pen this year which is leading has made a gain every month and its success is not due to its start, but to its breeding and capacity for laying. In our opinion, it is selection and breeding which means more than anything else.

The pens which are bred for egg production make much better use of their food than other pens. The pens which lay the most eggs usually consume a little more feed, but we also find less droppings upon the dropping boards in pens which lay best. This has proven true in all the weights and tests which we have made of the droppings.

The ten highest pens for the seven months are as follows: (Each pen is composed of ten pullets.)

Pen.		Eggs.
0.	S. C. White Leghorns, England	1,569
47.	S. C. Reds, Missouri	1,333
79.	S. C. White Leghorns, Pennsylvania	1,309
65.	S. C. White Leghorns, Missouri	1,277
18.	White Wyandottes, Pennsylvania	1,271
70.	S. C. White Leghorns, Missouri	1,248
9.	S. C. White Leghorns, Pennsylvania	1,244
53.	Barred Plymouth Rocks, Illinois	1,201
51.	White Plymouth Rocks, Arkansas	1,196
38.	White Orpingtons, Pennsylvania	1,192

The highest hen of each variety which has laid 150 eggs or over is as follows:

05.	S. C. White Leghorn, England	171
456.	R. C. Red, Missouri	158
180.	White Wyandotte, Pennsylvania	154
864.	Barred Plymouth Rock, Michigan	153
236.	Silver Wyandotte, Missouri	152
476.	S. C. Red, Missouri	150

The best pen record made thus far by representatives from the different countries is as follows:

	Eggs.
S. C. White Leghorns made best English record	1,569
S. C. Reds made best United States record	1,333
S. C. Reds made best Missouri record	1,333
S. C. White Leghorns made best Vancouver Island record	1,177
S. C. White Leghorns made best New Zealand record	1,130
White Wyandottes made best Ontario record	1,095
S. C. White Leghorns made best British Columbia record	1,057
S. C. White Leghorns made best Australian record	1,041
S. C. White Leghorns made best South African record	948

The ten pens which made the highest record for June were largely White Leghorns. Two New Zealand pens laid 221 and 226 eggs respectively, one of them being next to the English pen for the month. Pen 65, from Missouri, laid 226 eggs; No. 72, from Iowa, 224 eggs; No. 69, from Kentucky, 221 eggs; No. 70, from Missouri, 219 eggs; No. 79, from Pennsylvania, laid 215; No. 61, from Nebraska, laid 214. All of the above were White Leghorns. Pen 44, S. C. Black Minorcas from Missouri, and pen 57, White Rocks from Texas, were next with 212 eggs each.

Largest & Best Steel Brooder Made



Thousands of satisfied customers. 10 sq. ft. floorspace in each brooder and yard. Perfect ventilation light weight, dry, strong, easily cleaned and kept clean. Saves time, trouble, chicks and money. *Write for circular.*

C. F. GRIMM MFG. CO.
517 Main Street ATCHISON, KANSAS

The Mexican Athletic Club



THE regular meeting of the club was called to order by Senior Houdano. Several new members were enrolled after their qualifications were found to be A. No. 1.

Senior Campino read a paper on the use of other people's cuts in advertising. It made a great hit with some of the members and a number of them decided to take advantage of his suggestions in the near future.

Senior El Toro, the original M. A., said that the idea was not as new as it seemed and that it was part of the original proceedings of the first M. A. Club. By the way, let me tell you how the first M. A. Club was started, he said:

Once upon a time there was a young elongated specimen of the genus homo on whom the fond parents had tagged the handle of Ferdinand. The cracker barrel and checker guard at the store where Ferdy worked, however, called him "Slivers" for the reason that his symmetrical proportions inclined to the perpendicular rather than to horizontal breadth and thickness. He lived in a little village where the fair ones were still dancing the Virginia reel, and the tango and maxixe would pass for the name of some kind of tropical fruit. The favorite song of the Haymakers quartette was "Sweet Adeline," although some of the more frivolous members seemed to prefer such classy rags as "Hound Dawg" and "Alexander and His Band." This little burg of which I am speaking was so far removed from the apex of prominence that in the school geographies and in most of the railroad timetable maps it was not indicated by even the tiniest little speck. The daily arrival of the 12:40 caused business to be suspended in the stores on Main street and for the population to assemble on the depot platform to either see the train go by or drop off an occasional traveling salesman who did not know that the town was a bloomer. The train was generally from an hour to two late and as it was only a spur line the president's car never interfered with its schedule and enabled the crew to pick up here and there a can of milk and even accommodate a farmer by holding the train until he got through milking. This long delay did not affect the old timers, however, as it gave them more time to talk over politics, while the female species would gossip about the latest scandal in the neighboring town. During this daily exodus of the population to the depot platform young Slivers was the only living soul on Main street as he had to watch the store while the chief mogul was attending to his daily duty.

Slivers had worked at the village emporium for many years for what his boss called a "magnificent" stipend of seven iron men per week. He worked from 4:30 a. m. to the time the last checker game ended, which the proprietor and the village Doc started nightly at 9 p. m. Wednesday nights he was off duty and attended choirmeeting and at one of these athletic meets a fair young damsel sicced the bug on him for further orders and stung him to the core. Seven simoleons per week did not look good any more to Slivers after this and he forthwith struck for a raise of two bones per. As hired help was scarce the boss at last came across, and at the same time tacked on a 5 per cent increase on all goods to offset this extra expense. Slivers had heretofore only been noticed when help was needed in repairing the meeting-house or to carry water to the picnic grounds during the Fourth of July celebration, but this increased cost of living expenses being directly the result of his demand for more salary soon set the anvil chorus a going on the depot platform. The women folk especially were running on the high with the muffler cut out, and it did not take very long before our Ferdinand became a known quantity.

As the wedding was to be the following spring Slivers was scheming and



STANDARD STRAIN

Single Comb White Orpingtons

Improved Silver Campines

Our stock won at Pekin, Decatur, Springfield, Bloomington, Pontiac, St. Louis and Champaign.

If you want the best in these two grand money makers, write me your wants.

HAPPY HOUR POULTRY YARDS

W. FRANK BAKER, Owner. BLOOMINGTON, ILL.



"Mucho Vivo El Toro."

The main requisite of an advertisement is attraction, and nothing serves this purpose better than a first-class engraving of some prize-winning birds. It is, of course, understood that these birds must be one's own property—otherwise the attraction would be misleading. If the Happy Hour Poultry Yards intends to do this, we do not know; we know, however, that the White Orpington shown in the above ad, taken from R. P. J., belongs to the Aldrich Poultry Yards, of Columbus, Ohio, and the Silver Campine is none other than "Silver King," the well-known prize-winner at Chicago, owned by Frank Hering, of South Bend, Ind. Show your own birds, boys, and play the game square.—Ed.



MISS CAREY EXPORTER

PONIES - - - from **$200** DOGS, all breeds - from **$60**

SHOW BIRDS - from **15** EGGS per sitting - from **5**

ALL VARIETIES OF WATERFOWL, PIGEONS, FANCY FOWL SUPPLIED TO ORDER

Utility or exhibition poultry or duck farms stocked on profitable lines; advice on management free. Contracts accepted for teams to exhibit at any show or for private collection of birds in any specified color or breeds. International collections of feathered fowl from all or anyone country.

Ten years ago the business commenced in a tiny yard on the East Coast of Lincolnshire, England, today I hold with a varied export trade all over the world with head offices in one of London's principal thoroughfares from where the trade can be more promptly dealt with, and have probably shipped more winners of the blue to America during the last four years than the majority of the other breeders put together. Our method is to give full value for money and win satisfied customers. I have now in some breeds a greater demand than can be supplied and importers are advised to inquire early. 1914 show birds will be ready from August onwards, only address

TOYNTON, SPILSBY, ENGLAND **Cable—Carey, Spilbys**

scraping to get the necessary funds together to feather the nest for Mandy and him. At the county fair he had subscribed for a poultry journal, which was offered "free" if you pay the postage and during train arrival Slivers used to read it to kill time.

One day he read in one of the advertisements how easy it was to make a barrel of money from chickens by simply feeding them table scraps. Another advertiser claimed that his chickens laid 300 eggs each a year. All this sounded good to our young friend and in his day dreams he already saw himself the proprietor of a quarter section covered with chicken houses and prize-winning chickens. As many of the advertisers offered to send a magnificent catalog free of charge he addressed a postal to quite a number of them. During the days following the catalogs came in bunches. Some of them were elaborate affairs printed in gold and colors; others again did not stack up with what he expected from the description and these he simply threw away. One thing he noticed, however, and that was how nearly everybody seemed to have Madison Square Garden winners or at least direct descendants. Some of the breeders had it doped out so exactly, that they were saying in their ads and catalogs "we won fifty-seven and three-quarters per cent more first prizes at Madison Square Garden during the last twenty years than all competitors combined." This line of confetti had Ferdy barking up the tree and nobody home, so he called a directors' meeting and explained the proposition to Mandy, the other member of the future combine. After giving the catalogs the once over Mandy decided on one with lace insertions, a double deck affair with a slit down the center panel.

By cutting down expenses and smoking the "Kalamazoo Special," which he could get three throws for a nickel, instead of the "Colorado Maduro" five-cent straight, and with his recent increase in salary, he managed at last to get enough together to send for a setting of eggs from "Special Pen No. 1," which, according to the breeder's catalog, were the "creme de la creme" of the flock and from Madison Square Garden winners. The eggs arrived in due time and nearly every one produced a chick and Slivers could hardly await the time of the coming county fair, where he had decided to make his first killing. When the chicks were full grown he compared them with the pictures of their supposed ancestors in the breeder's catalog from whom he had bought the eggs. One look and his vision of blue ribbon winners and silver cups began to get dim in his lamps. With diminished enthusiasm and best wishes for the breeder for a speedy descent into the region where calorified atmosphere is superabundant, he entered the birds for competition at the fair.

The poultry building had a long aisle down the sides and it was here where the poultry journals had their men with the lassoes. Slivers recognized quite a few of them for these were the wise gazaboos who knew that the towns around were good fishing places, and they came year after year. He noted the fat little fellow with the gray mustache was there on his accustomed place still offering his journal fifteen months for a quarter. A little further down the line he heard the familiar voice of the Irishman who was still wearing the linen duster and smoking the same pipe he had the year before. He was still asking everybody, "Did you get yours, brother?" "You are entitled to it if you live in the state," said the "rosy" cheeked, dark complexioned fellow. "Have you seen Judge Capps' paper?" said a little "guy" to him when he passed one of the stalls. A pretty blonde haired girl was throwing out the harpoon with "We will send it free if you pay the postage" and hit Slivers in a vital spot and signed him up three years for a half.

At last he came to the place where his chickens were in their cages. Great was his surprise to see that he had won every first prize in the class. That there was no competition did not make any difference, as he thought a bird must have certain points of merit to win first.

While he was still standing in front of his birds and wondering what to do next, somebody tapped him on the shoulders, and turning around he saw a well dressed stranger looking at him.

"I wish to congratulate you on your success," he said to Slivers. "You certainly have some beautiful chickens, and if the rest of the world only knew it, you could make money hand over fist. I am representing the 'Tellitall' poultry journal, the biggest and best in the country. Our circulation is close to a million and growing daily. I believe if you would give me a contract for 120 inches of space, our paper will bring you results that will surprise you." This was a new line of lingo which Slivers had not heard before. It listened mighty good to him, and he signed up in a jiffy. He remembered what the solicitor had told him about writing the copy for his ad, so he sat down and copied the breeder's ad from whom he had bought the eggs. "Every first and special prize," in big, bold type read the first line of his ad. "Direct descendants of Madison Square Garden Winners" read the next line. Then followed a lot of dope about the magnificent type and color of his

BLACK ORPINGTONS
THE BIG, BLOCKY KIND
A FEW FEMALES FOR SALE AND SOME FINE YOUNG STOCK AFTER SEPTEMBER 1st.
SYLVESTER THOS. McCABE 535 W. 4th Avenue COLUMBUS, OHIO

American Poultry Association

The poultry industry of this country amounts in the aggregate to one billion dollars per annum. These figures paralize the imagination.

The American Poultry Association is the largest live stock organization in the world and its membership is increasing with tremendous rapidity. On its roll are the leading breeders and representative poultrymen of Canada and every state in the union.

Every breeder, fancier, man and woman in the United States and Canada who is interested in poultry of any kind should join this great organization.

The American Standard of Perfection

The Standard of Perfection is the official guide for the breeding, mating and judging of all poultry. It gives a close and detailed description of every breed and variety of chickens, ducks, geese and turkeys, with illustrations from living models. This book is published by the American Poultry Association at an enormous expense and is the American authority. You can not raise poultry successfully without this American Standard of Perfection. Prices postpaid from the publishers of this paper. Cloth binding, $2; leather binding, $2.50. Send all orders to American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.

On its shoulders rest this gigantic Billion-Dollar Industry.

Your interests will be promoted and safeguarded. You may compete for the association diplomas and gold and silver medals at the shows, and be entitled to all the help that honest organized effort can give you.

You will have a voice in shaping the course and policy of the association. Making it recognized by nations and governments. Your name should be one of the thousands of the honored members of this association. We urge you to write immediately for information and application blank. Address

E. B. THOMPSON, President, Amenia, New York
S. T. CAMPBELL, Secretary
American Poultry Association, Mansfield, Ohio

"strain." The ad wound up with "magnificent catalog free."

He was up against it for fulfilling the last part of his ad. He knew printing and pictures by high priced poultry artists would cost a whole lot more than he anticipated, so he called another directors' meeting and Mandy again solved the problem in a hurry. "You poor Simp," she said. "All you've got to do is to tear the pictures out of that fancy catalog we got at home and send it to the fellow in the city who you met at the fair. He will put in a few extra feathers and a new background; then he will make a cut from it and it will be just as good as the one that was in the book, and won't cost nowhere near the money." Giving the birds such fancy names as "Bullduram," "Don Bunco," etc., he was soon fixed up with illustrations and as the printer of the County Clarion agreed to take eggs for his share of the work, he was soon sailing in smooth water. During the following winter he entered his birds at several shows and joined several clubs and societies and came in contact with many other fellows who had entered selling platers in stake races and copped off the kale when the going was easy. These fellows never showed their best birds, and in their conversations they were always throwing the bull about the good ones they had down home and which had the winners skinned a mile. During one of these talkfests Slivers suggested the starting of an athletic club for the benefit of developing this throwing power, and as a result the Mexican Athletic Club was organized and Slivers elected president.

This, gentleman is the story of the organization of a club that has members now in all parts of the world and its best specimens you will always find among the chicken cranks.

Well, boys, I've got to catch the ten-forty and if one of you will ring for a little lubricator for my carburetor, I think I'll just about make it.

"Mucho vivo el toro."

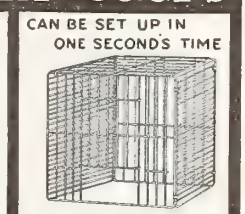
Wilburtha POULTRY FARMS
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THE BEST ALL-AROUND STRAINS OF THE BEST ALL-AROUND BREEDS
—that's the enviable reputation held by Wilburtha birds. Our
COLUMBIAN WYANDOTTES
COLUMBIAN PLYMOUTH ROCKS
PARTRIDGE PLYMOUTH ROCKS
S. C. BUFF & WHITE LEGHORNS
are winners at the shows and, besides, are the best profit producers in the poultry yard. These birds are large, heavy, healthy and full of stamina—beautiful yet intensely practical. Write for free descriptive circular and mating list.

MOE'S EXHIBITION POULTRY COOPS



Birds Do Not Show Their Good Points in a Poorly Constructed Coop Moe's new exhibition coop, made of the best galvanized steel wire and sheet metal electrically welded, are the most attractive and best value on the market today. They contain no clips or projecting bolts to break the feathers of the fowl. The doors are large, making it easy to remove the birds or replace them. Each coop contains two attachments for feeding and drinking cups. Made in two styles, one



with sheet metal sides to meet the demand of those who prefer solid partitions and of all wire as shown in the above cut. No. 46—All Wire Coop, 24x24x27 in. high, $1.75. No. 47—With Sheet Metal Sides, 24x24x27 in. high, $1.75. No. 48—For Bantams and Pigeons, 16x16x18 in. high, $1.25. All of the above are collapsible and packed six to the crate.

OTIS & MOE MFG. CO. 2011 Otis Bldg., CHICAGO, ILL.

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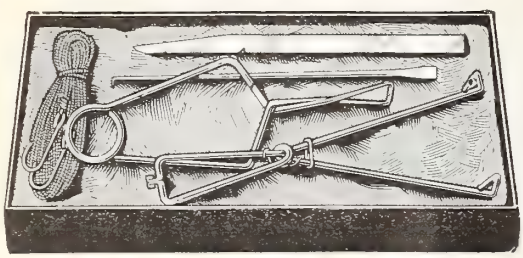
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AUTOMATIC REMOVER, $1.75
(Patented. No extra charge on that account)



HIGHEST GOLD AWARDS

At the Kansas and Missouri State Poultry Shows were given to capons made with these tools. This set is exactly like I use myself. I have a good set of tools that I can let you have for $2.50. If you want the cheap tools would be glad to tell you about them.

$3.50 FOR THIS SET OF CAPON TOOLS THE AUTOMATIC SAFE SET NO. 10

Contains Automatic Remover with safety clutch to prevent "slips," humane spreader, combined hook and probe, operating knife and the required hooks and cords for fastening the bird, with full and complete illustrated instructions so that any one can make a capon. Packed in a neat case and sent postpaid to any address. Order direct from this ad at once and we will include free to you a copy of Beuoy's book on capons, "What's a Capon and Why." Remember, if the tools are not to your liking return them and we will refund your money, or if you prefer, will send tools C. O. D. and you can just pay the mail carrier for them.

GEORGE BEUOY, Rural Route No. 7, Cedar Vale, Kan.

CORNISH FACTS.

THE justly merited popularity of the Dark Cornish fowl is solely due to the sterling qualities of this grand old breed, and I am glad to see that they are at last near the top.

Having bred them for over twenty years, I believe I am qualified to speak in their behalf. At one time or another I have bred nearly all the leading varieties recognized by the American Standard of Perfection and have found the Cornish (Dark) or Indian Game, as they were called when I first began breeding them, will fill the general requirements of the majority of people better than any other breed. In the first place, they are the very hardiest variety in existence, grow rapidly on small rations and do not have to be pampered when small. As their plumage is very short, food that in most varieties goes to produce feathers, in the Cornish produces meat and of the purest possible flavor, rivaling that of wild game. Secondly, their enormous size, broad deep breasts, large thighs and fat backs (there is as much meat on a Cornish fowl's back as on the breast of some varieties). Again, as mothers they are unequaled, carrying large broods and caring for them with the instinct of a wild fowl. As sitters they are remarkable; in all my experience I have never had a Cornish hen to leave her nest even in the coldest or hottest weather.

A great many wise people, generally those who have never seen or owned a good Cornish, assert that they are indifferent layers. This I emphatically deny, as it is not true in any sense.

In all breeds there are certain strains that lay well and others that do not. Egg production is very much due to breeding and feeding. Cornish hens, when kept on free range, will lay as many eggs as any breed that is not forced for egg production, and will in many cases outla- the much touted and widely advertised breeds we hear so much about.

Another great thing in their favor is that they breed true to type and color, and do not require double mating; have small pea combs, which zero weather will not freeze, and are beautiful to look at and most docile, and of a very peaceful disposition. I frequently have 20 to 30 males running together.

If you have never owned a Cornish, give them a trial, and I am sure you will always be a lover of this grand old breed.—Courtland H. Smith in American Cornish Club Annual.



To Prevent Frostbite.

Q. (1) How can I prevent the combs of my S. C. cockerels from freezing in zero weather I have an open-front type of house, with a muslin curtain in front and burlap in front of the roost. How do other breeders, keeping stock for sale, prevent frostbitten combs?

A. (1) Keep only strong, vigorous stock. Give the birds good care and feed well. Don't let them go to roost with empty crops. Don't let them get out of condition through careless feeding and watering. Sun and air the interior of house well on every sunny day. Keep the birds busy. The curtained roosting apartment may be all right if not to tightly shut in, but it is our experience that single-combed birds prove more susceptible to frost bite when curtains are used than they do where there are no curtains. If curtains are used, keep them free from dust and be sure to air out roosting place every day. On extremely cold nights a little vaseline rubbed into the comb at roosting time will often prevent frostbite. We do not take any measures to prevent combs freezing. We use entirely open front houses; when possible, try to keep them filled to capacity, and do not have the roosts either too high up or too low down; simply try to provide ample room on back roost for the tallest male to stretch and crow without bumping his head. The birds are selected for health and vigor and are fed and managed to keep them in that condition. Ordinarily they stand pretty severe cold spells without frostbite. Now and then some get nipped.

Q. (2) Would you suggest a cement floor, 8 or 10 inches above the ground, for a curtain front house, or would a double wooden floor 18 inches above ground prove better?

A. (2) In most locations a well-made cement floor, raised a few inches above ground level, gives very satisfactory results. If kept well littered, it does not prove too cold. The raised, double-wooden floor is a good, warm floor if well built and kept well littered, but it is more difficult to keep clean than the cement.

Q. (3) My Campines seem very susceptible to colds and roup.

A. (3) While some strains of large-combed, small-bodied breeds sometimes appear quite delicate and susceptible to catarrhal troubles, it is not necessarily the fault of the breed. By proper selection, open-air housing at all ages, and breeding for health, you can so improve and harden them that they will have greater resistance to disease and cause you little or no trouble. Where fowls are apparently particularly susceptible to roup and colds, the fault is usually largely in the breeding and management. Most breeds are naturally hardy and those which appear susceptible to disease are generally rendered so by close housing and coddling that makes them delicate.

Q. (4) What does dubbing a cockerel mean?

A. (4) Cutting off the comb and wattles close to the head, as is done with Games.

Q. (5) Is there any sense in the idea that if a Leghorn male happens to get into a pen of R. I. Reds for a day that even a year or more after that time the progeny from those Reds will show white feathers?

Binghampton, N. Y. L. J. B.

A. (5) After the first month following accidental crossing, you need not fear contamination if the birds are kept free from foreign males. Red chicks may show some white in plumage during development, but will molt it when putting on adult feathers and it is not necessarily an indication of contamination.

Feeding Questions.

Q. (1) How much feed should one give a bunch of 500 pullets for their winter ration to insure good laying, corn, wheat and oats?

A. (1) We don't feed by measure. The quantity of grain required will depend upon the appetites of the birds. Would supply the grain in mechanical feeders and let the birds help themselves. Four "automatic feeders," six-



Ringlet, First Prize Cockerel and Champion Male at Madison Square Garden, N. Y., 1910-11, and Grand Sire of My Champion First Prize Cockerels of 1913-14

E·B·Thompson's
Imperial Ringlet
Barred Plymouth Rocks

EARLY WINNING SHOW BIRDS

Hatched in January, February and March of this year

I now offer the finest early hatched exhibition Barred Plymouth Rock cockerels and pullets that I have ever produced. They show elegant size and shape, fine heads and deep narrow sharp clean cut "Ringlet" barring—they are my richest New York first prize blood of the shows of 1912-13 and 1913-14.

These Birds are Ready to Win at the Fairs and Early Shows

The demand for early show birds will be enormous this year and I strongly urge you to place your order as soon as you can. I will hold birds ordered and ship when wanted—the prices will be very reasonable.

I Offer Early Hatched Breeders Also. See My Ad of Bargain Sale of Yearling Birds on Page 1082.

Richly illustrated 76-page catalog mailed upon request. It is full of illustrations of New York winners from life.

SEE MY OTHER ADVERTISEMENTS

Address E. B. Thompson Lock Box 510, AMENIA, NEW YORK



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

Owen Farms

Buff Orpingtons
White Orpingtons
White Plymouth Rocks
White Wyandottes and
S. C. Rhode Island Reds

Are Ready to Win
Any Fall Fair in America

If you need a cock, hen, cockerel, pullet, old pen or young pen to complete your string, write me the show you wish to win and receive my price by return mail.

Owen Farms Readiness

has resulted in THOUSANDS of FIRST PRIZES being WON by customers all over the UNITED STATES and CANADA, and in this year of general shortage of early hatches our youngsters will make an even better record than in former years, as we have more JANUARY, FEBRUARY and EARLY MARCH CHICKS than ever. **Order early and enable us to put your birds in perfect condition for your show.**

The Utility Qualities

of our birds are unexcelled by any and famous the country over. Perfect housing and breeding conditions, combined with perfect health and vigor, have resulted in strong, husky, big boned birds that lay and pay.

Big husky cockerels in all varieties at $3.00, $4.00 and $5.00 each NOW that will be worth more later. Splendid utility pullets at $3.00 each NOW that will be gems for utility breeding the coming season. I want to reduce my large flocks of youngsters while still on range, so as to have plenty of room in winter quarters. **Buy now before the supply is exhausted.** Later prices will be higher, as the supply through the country is fully 40 per cent short this year.

WINTER SHOWS

You are already looking forward to winning your Winter Show and watching particularly promising youngsters as they develop. Your favorite cocks and hens are moulting and you are wondering if they will round to in time to be at their best to win for you. This is the time to take up with me the question of strengthening your weakest spots, as I will book your order upon receipt of a 25 per cent deposit, balance to come before shipment, and you will have the immense resources of Owen Farms behind you to make your victory certain. Have already booked a number of orders for Fall and Winter showing, and **REMEMBER, I will not sell to two customers to compete in same classes.**

Breeding Birds

It is probably a little early for you to definitely plan your matings for next year, as you want your old birds to complete their moult and your young birds to fully develop. When you do decide what you are needing, write me and see if I cannot give you the exact bird or birds you must have to make your 1915 matings stronger than ever. **Owen Farms Prices Are Lower,** quality of individuals and line-bred producing qualities considered, than similar quality can be obtained elsewhere.

Finest Illustrated Catalogue Published—Yours for the Asking

Your Absolute Satisfaction
Means My Permanent Success

OWEN FARMS

107 William St., Vineyard Haven, Mass.

MAURICE F. DELANO, Prop. FRANK H. DAVEY, Supt.

teen-quart size will feed 125 laying pullets comfortably and require filling about every four days, for whole grains; proportion usually two feeders filled with corn, one with oats and one with wheat. The dry mash and scrap should be supplied in hoppers. Quantity of each food eaten will vary from time to time and all feeders and hoppers will vary as to quantity of contents on filling up day.

On a practical egg farm it was demonstrated in handling good sized American class fowl that one heavy layer would consume in one year in addition to a large amount of fresh greens the following amounts of food: 60 pounds cracked and whole grain, 30 pounds ground grains and mill-stuff, 8 pounds beef scraps, 4 pounds of oyster shells, 2 pounds of grit and 2 pounds of charcoal.

Q. (2) Should hens be given wet mash in order to have them lay well?

A. (2) It is not necessary, but some poultry keepers prefer it.

Q. (3) How many layers should be kept in one house and do they do better if no cockerels are with them?

Benson, Neb. E. S. C.

A. (3) 100 to 125 layers make a very satisfactory flock when housed in a 20x 20-ft. open-front house. If only market eggs are wanted, the pullets are better off without males.

Sudden Death.

Q. At feeding time, found one of my hens on the floor, as if she were wallowing in dust bath. Picked her up and she seemed paralyzed. She seemed fat and in good condition. A few minutes after I picked her up she died while I was working over her. What was the cause?

A. Hen was probably overfat internally and died from rupture of blood vessel. Sudden death from such causes is quite common.

Wants to Get Larger Eggs.

Q. I am in the poultry business in a small way and expect to grow. Have 62 layers and sell all eggs to private trade. I am not satisfied with the size and weight of the eggs I get. The eggs run about 25 ounces to the dozen and I would like to get them up to 27 or 28 ounces the dozen. I now feed 1 part ground oats, 1 part cornmeal, 1 part middlings, 2 parts alfalfa, and 2 parts bran, with about 5 per cent green cut bone. This mash is before them all the time. Mornings I scatter scratch feed in litter and nights I feed corn. They have green food and I am getting a good supply of eggs. One-third of my flock are two-year-old breeders.

Philadelphia, Pa. G. A. B.

A. Would make that mash 100 pounds each of cornmeal, ground oats, middlings, gluten feed, bran, alfalfa and beef scrap. If that doesn't help put weight into the eggs, would get fowls that produce larger eggs. Would not carry so large a percentage of two-year-olds.

Black Minorcas.

Q. (1) I have a flock of Black Minorcas and the cockerel has a few brown feathers in neck plumage and the hens have a few white feathers under wing that cannot be seen without lifting wings.

A. (1) Off-colored feathers are defects. Pull them out and the new feathers may come in black. More than

one-half inch of white in any part of plumage or two feathers tipped with positive white disqualify.

Q. (2) How many points should there be in combs of cockerel and hens?

A. (2) Six distinct points.

Q. (3) What are the correct weights?

A. (3) Cock, 9 pounds; cockerel, 7½ pounds; hen, 7½ pounds; pullet, 6½ pounds.

Q. (4) Should the plumage be jet-black or a greenish-black?

Maywood, Ill. M. V.

A. (4) Surface color should be a lustrous greenish-black.

Aspergillosis.

Q. What is wrong with some of my White Orpingtons? Hens go about with tails drooped. Eyes are watery. Throat is swollen and mouth is covered with yellow canker on tongue and extending into throat.

Sarona, Wis. V. L. W.

A. Trouble is probably aspergillosis, a disease caused by moulds of the genus Aspergillus. No satisfactory remedy has been found for this disease once it has become established. The treatment is wholly preventive. Avoid musty and mouldy foods, damp mouldy litter, foul houses and runs, and particularly mouldy leaves and dark swampy runs, where there is much rotting vegetation. Fowls on sweet soil, housed in dry, clean houses and allowed no mouldy food seldom are attacked.

Pit Games.

Q. Please send the address of some breeders of Pit Games. I want to buy some and to read about Pit Game chickens.

Staples, Texas. E. L. A.

A. Handling Games for fighting purposes is illegal. You will find the advertisements of breeders of exhibition Game fowl in this issue. We do not encourage the breeding of Pit Games.

Eyes Change Color.

Q. Do the eyes of Silver Wyandottes change color as they grow older? I purchased several sittings of eggs from two different breeders. I supposed that I was getting their best eggs. The chickens which hatched appear to have green or nearly green eyes instead of bright bay or red. I have always before used eggs from my own flock but did not think about the color of their eyes until they were much older than these. They are six days old but I would not suppose that the eyes would change color a great deal.

Kendall, Wis. S. R. S.

A. The eyes of young chicks show considerable change in color during development. Sometimes the eyes change color after maturity, but then it is usually loss of color. Would not worry about your chicks. Probably a good percentage of them will have bay eyes at maturity.

Miscellaneous Questions.

Q. (1) What do you think of this dry mash: Wheat bran, 100 pounds; white middlings, 100 pounds; beef scraps, 50 pounds; corn meal, 50 pounds; buckwheat middlings, 25 pounds; oil meal, 20 pounds?

A. (1) We should prefer equal parts by weight of bran, middlings, corn meal, ground oats, gluten, alfalfa and beef scrap. Do not care to feed either

Riley's Barred Rocks

I offer my breeding birds at bargain prices. A fine lot of yearling cocks, both matings. I have the most promising young stock I have ever owned and it will pay you to write me about a winner for the coming season. Mention American Poultry Journal.

HENRY D. RILEY
Box B Strafford, Chester Co., Pa.



DIRK'S RED MITE KILLER

Mites cannot breed or harbor where it is used. One application each year does the work. Write for special trial price.

M. E. DIRK
Box 102 North Baltimore, Ohio



DON'T let your chickens belong to the "I Didn't" class. USE—

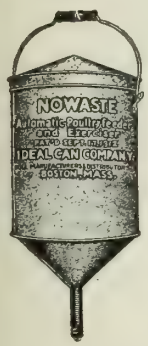
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The remedy that hits the spot and cures the bird. Used by the world's best breeders. Two sizes, 50c and $1.00 a bottle. Write for folder.

W. J. MUNDEE, Libertyville, Ill.

Save Grain Save Labor

Increase Your Egg Production



Use Nowaste Automatic Feeders

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Price 8-qt..... $1.50 each
16-qt..... 2.00 each
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DEALERS!

Don't force us to ship these goods direct.

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Write for terms.

KLINGBEIL PARTRIDGE ROCKS

The Great Fancy and Utility Strain. Winners at New York, Boston, Providence and other leading shows. They have the show record as well as the quality record. Bred in line for greatest value. Some very fine mated pens and cockerels. PLEASANT VIEW FRUIT AND POULTRY FARM,
PAUL KLINGBEIL, Prop. Sec'y and Treas. Partridge Plymouth Rock Club WALPOLE, MASS.

2,500 Showbirds

are now maturing into wondrous beauty among the world famous Aristocrat Barred Plymouth Rocks. This is that sensational strain of birds which set the record of winning at 142 shows all over the U. S., Canada and Europe. Think of it—142 shows. If you need any kind of a **winning** bird at **any** show **anywhere**—write me, stating clearly just what you think you need.



EVERY SHOWBIRD GUARANTEED

W. D. HOLTERMAN, Fancier, Box A, FORT WAYNE, INDIANA

A Little Better

than all others—that tells the story of our special

Self-Locking Leg Bands

Locks itself by simply pushing it together. Made of a "new, special metal" that is rust-proof, non-corroding and highly polished. Each band with its own number embossed. Made in sizes for Mediterranean, American and Asiatic birds, also Turkeys.

12 bands, any size.....$0.15
25 bands, any size..... .25
50 bands, any size..... .45
100 bands, any size..... .75
500 bands, any size..... 3.50
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Money refunded if not satisfactory.



Write for our Catalogue showing Complete Line of Poultry Appliances

SIMPLEX SUPPLY HOUSE, Pontiax Bldg., CHICAGO, ILL.

buckwheat middlings or oil meal and believe they are very liable to cause indigestion.

Q. (2) Would the above mash be good for young chickens if the beef scraps were screened and about 10 pounds of powdered charcoal added?

A. (2) We would not use charcoal in the mash. The mash formula we give as a substitute for yours is all right for chicks over three weeks old.

Q. (3) Have you ever fed dried brewers' grains to poultry?

A. (3) No.

Q. (4) Do you recommend cutting spurs on cock birds when they tear the hens? How?

A. (4) Yes. Trim blunt with a sharp knife but don't cut into the quick. Also pare off the sharp edges of the toe nails. The toe nails tear the hens more frequently than do the spurs.

Q. (5) How would you proceed to dub a bird and stop the flow of blood? Wilkes-Barre, Pa. D. D.

A. (5) We simply cut off comb and wattles with a sharp scissors and let the wound bleed. It will soon stop. Keep bird by itself until wound heals. Free bleeding will do no harm.

Feeding Troubles.

Q. We have 1,000 laying hens and for last week or two they have been off feed. We have been feeding very regularly and as far as we know have not given them anything to turn them against their food. First thing in morning they are given warm water. About ten o'clock we feed oats which have been in warm water for about an hour. At noon they get a wet mash of alfalfa, meat scraps, bran, low grade flour. At night they have corn in litter, so they will have enough to scratch for in morning. What can we do to get them back to feeding again and why did they go off feed?

Carrollton, Mo. L. F.

A. Too much warm water and soaked feed, also probably too much thrown to the flock at a feeding. Cut out the warm water. Give them clean cold water to drink, and keep it before them. Stop the wet mash and the soaked oats for a week and feed a little hard corn and oats once a day. Use mash not oftener than five days a week. Instead of soaked oats, try sprouted oats at noon. For the mash try a mixture of equal parts of weight of bran, middlings, corn meal, ground oats, gluten, alfalfa and beef scrap. See articles in December and later issues of A. P. J.

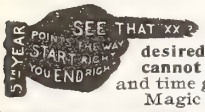
Quality of Poultry at Fairs Getting Better Each Year.

If we could compare the poultry that used to be exhibited at state and county fairs ten years ago with the fowls on exhibition today, the enormous improvement in the quality of standard requirements would be noticeable at a glance. There 's a reason for this. Years ago the poultry exhibit at fairs consisted mainly of those varieties and breeds exhibited by "carload men" and after they had been taken around from one fair to another they were in a pretty ragged condition if not filthy and diseased. Large breeders would not take any chances therefore and exhibit their birds on account of this class of competition, for the reason that the value from an advertising standpoint was not worth the paper on which their ads were printed. Let us take a glance at some of the fairs of today, for instance, Allentown, Hagerstown, New York, Ohio, Indiana, Illinois, Missouri, Minnesota, Tennessee and Alabama. The exhibits at these fairs are equal to some of the best shown at the winter shows. Some of the foremost breeders in this country send their best birds to these fairs and the keen competition they have encountered there is the reason for the ever increasing quality of the birds shown. There is still another reason. Years ago the handling of fairs throughout the country was mainly in the hands of politicians and as these men were not always familiar with poultry affairs the exhibits suffered in consequence and likewise the judges which they engaged were not always the best. Many of the superintendents of the fairs nowadays are experienced poultrymen and this is responsible for the quality of the exhibits shown. Theo. Wittman at Allentown, O. L. McCord at Illinois, E. Murphy at Indiana, Martin Schultes at Tennessee, are known the country over as expert poultrymen and judges, hence the exhibits at their fairs equal in quality and exceed in quantity many of the winter shows. In order to make the coming Tri-State Fair at Memphis, Sept. 26 to Oct. 3, instructive to the exhibitors and to the people attending the fair, the hustling Mr. Schultes has engaged the well-known judges, Mr. E. C. Branch, member of the standard revision committee and Mr. Louis Stahmer of the American Poultry Journal. Mr. Stahmer has without any doubt the finest set of lantern slides in the country pertaining to thoroughbred poultry. He will lecture daily and show the winners at some of the largest shows, thus enabling exhibitors to compare their stock with them. His slides also cover the subject of diseases, housing and many other interesting subjects pertaining to poultry and the lectures will, no doubt, be well attended and prove to be a valuable feature of the poultry show. Mr. E. C. Branch is a most conscientious judge and knows standard requirements from A to Z and is not afraid to apply this knowledge when judging. Mr. M. Schultes, Albashire, Bartlett, Tennessee, will be glad to furnish information to intending exhibitors.

Owen's Silver Laced Wyandottes

Get our prices on trios and pens. We have some extra good bargains.

R. D. OWENS - - - - CRESTON, OHIO



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Give the wonderful Magic Egg Tester a trial. **Money back if desired.** Picks out the best eggs to set or incubate. **Rejects the eggs that cannot be hatched.** $2.00 each. Fully guaranteed. Write for circular and time given for trial. Also ask how to get it on the Rental Plan.

Magic Egg Tester Works, Dept. B Buffalo, N. Y., also Bridgeburg, Can.



BARGAIN SALE

of Foxhurst Farm Champion Black Orpingtons

OUR MADISON SQUARE GARDEN WINNERS

Breeding Females

Pens, Trios and Single Birds

at less than **one-half price. Remarkable** chance to buy specimens of World's Champion Strain from $5 to $50.

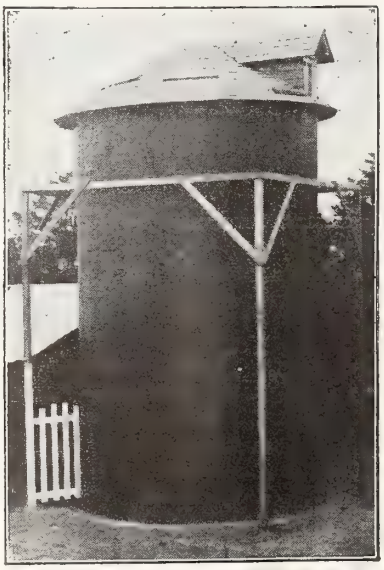
On approval; satisfaction guaranteed.

FOXHURST FARM - LIME ROCK, CONN.

The Poultry Silo

A Silo is a receptacle for green food, the same as the housewife preserves fruit or sugar corn for winter use.

The Poultry silo is the coming thing, as it solves the feed problem once for all. Keeps poultry all winter the same as on range in summer — the cheapest and best food possible. Saves time, labor and expense. You will pay for a silo whether you put up one or not. We have made the plan so simple that anyone can erect one, at the lowest possible cost. Complete set of blue prints and instructions for $1.50. Also little booklet "Poultry Silage"



The Poultry Silo,

Box 35, New London, Mo.



August and the round-up.

* * *

The westerners need not bring their ropes, for the convention promises to be a busy one, with no time for the sport of the plains.

* * *

Let everyone interested in poultry make an effort to attend the Chicago meeting. The American Poultry Association wishes to make itself beneficial to all interests, and its real worth depends largely on the support given. Come, lend your aid to make a better and larger association.

* * *

Symmetry will have the fight of its life, as it is commonly understood it has no cause for existence. Typical carriage, if made part and parcel of every variety, described with each and a value placed, would be far better and far more reasonable to our mind.

* * *

We think the Plymouth Rock weights should be reduced as has been proposed and hope this change will be made at this meeting.

* * *

Years of experience has convinced us that in all varieties the happy medium-sized birds have been the most vigorous, the best layers, the earliest layers and the most practical in every way, while the larger specimens mature slowly, lay less and after a short period of prime condition are most apt to get sluggish and expensive boarders.

* * *

We, with others, urged the last meeting to adopt this change and were defeated. After the meeting a prominent Campine breeder told us they were sorry, but they had to vote against our contention for the reason that if the new weights were adopted the Plymouth Rocks would hurt all varieties more and the Campines in particular.

* * *

Would it not be proper to have a rule so that the judges and the breeders of each variety have the say of each variety? We believe that most Plymouth Rock breeders wish this change in weights and will vote for it, and we also hope that breeders of other varieties will keep hands off. We want to see the men whose interests are in the different breeds say what those breeds should be.

* * *

This has been the warmest and driest spell had in this section for over forty years. So they tell us.

* * *

It's jes' about as hard to pick good advice as it is to do your own thinkin' in the first place.

* * *

Miladi says you must not be too literal when the grocer tells you he will make all bad eggs good.

* * *

"A daughter of the regiment" has been born to Mr. and Mrs. J. Courtney Punderford. We extend our hearty congratulations and are pleased to know the mother, child and father are doing well.

* * *

Reports received from many breeders are most encouraging, for all point to a select crop of youngsters. Quality is the feature they glory in, so even with a short crop this quality will make up for missing numbers.

* * *

It is not a question of how many but one of how good that counts. The man that can raise 200 chicks properly stands to make good, and if he can get a 50 per cent egg yield his success is assured. Insist on returns and increase your plant a long as this same ratio can be made until you find your limit, then stop.

* * *

Lydia—When Jack met Billy and me out walking I found it very hard to conceal my dismay.

Alice—I imagine; it's so hard to conceal anything with the present styles.

* * *

And many gems of thought turn out to be paste.

* * *

Received copy of the American Cornish Club catalogue. It is one of the best we have seen and a credit to the breeders of this variety. It is chock full of good articles and many handsome illustrations. If more people better understood this variety, there would be many more breeders of this substan-

Blue Orpingtons -:- Silver Campines

If you want to win at the fall shows in either of the above breeds, let me know your requirements, as, having bred the best crop of chickens I ever had, I can supply you. Live delivery guaranteed at port of landing.

MAX DE BATHE, Vice-Pres. English Poultry Club **Hartley Court, Reading, England**

S. C. White Leghorns Exclusively

D. W. Young's Strain, the finest in the world. 2,000 breeders on free farm range, occupying four fields. 1,000 yearling hens for sale at $1 each in lots of 20 or more. Fine breeding cocks and cockerels for sale. **My book, "Profits in Poultry Keeping Solved,"** price $1.00, given free with all $10 orders. Circular free.

EDGAR BRIGGS Box 144 PLEASANT VALLEY, N. Y.

ROYAL

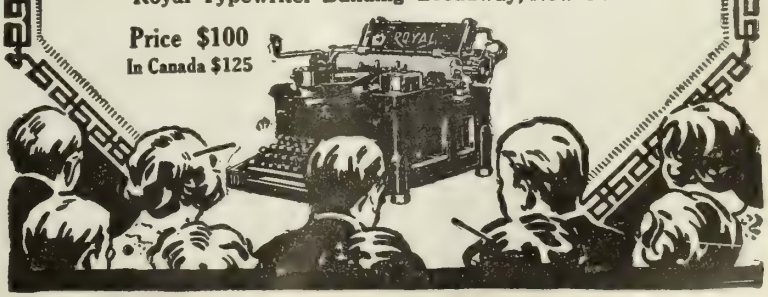
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It Writes, Types Cards, and Bills!

THINK of the tremendous advantage of *one* machine for *all* of these various uses—*one* typewriter with the combined advantages of many—*no attachments!*

The stenographer can now turn instantly from the letter she is writing to "bill-and-charge," loose-leaf indexing, or the most complex card-typing, without stopping for a second, or changing to a "special" machine. The New Royal Master-Model 10 has every standardized improvement: Tabulator, Back-Space Key, Bi-Chrome Ribbon and Automatic Reverse, and many brand-new Royal Features.

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tial breed. The book sells for 50 cents and can be had from the secretary, Mr. John W. Ward, Pennington, N. J.

* * *

Mrs. Beat: "Tell the gentleman I'm not receiving today, Nora." New Maid: "But he ain't deliverin', mum; he's collectin'."

* * *

The Buffalo, N. Y., show, with W. C. Denny as secretary, will be held Thanksgiving week. This show last year, with Drevenstead as secretary, was the feature of the show season. Billy is a hustler and we wish him the same success. The judges are Geo. H. Burgott, Chas. D. Cleveland, J. H. Drevenstedt, James Glasgow, Charles McClave, William McNeil, Richard Oke, James Tucker, A. O. Schilling, H. P. Schwab, G. W. Webb, W. C. Ellison.

* * *

The Trenton, N. J., Fair has for years been one of the great early shows, and the poultry department has been an annual feature of the fair. This year's dates are September 28th to October 3d. Mr. Harvey E. Rogers is superintendent and will gladly furnish all information. His address is 1520 East Clinton avenue, Trenton, N. J. Hope to meet you there.

* * *

At this time, July 15th, eggs are selling in Rochester at from 30 to 35 cents per dozen, and at this time there are poultrymen within twenty miles of the city that are shipping in eggs in ten and fifteen dozen lots daily to special trade at from 20 to 22 cents per dozen, charges paid.

* * *

Here it is evident that the poultrymen are not getting their due, for this same trade would willingly pay the best price and glad to get them at that. The selling of eggs and poultry should receive more care and the best prices obtained to insure the best profit.

* * *

This same applies to all sections. This spring we saw a farmer deliver three baskets of eggs to a dealer within forty miles of Philadelphia and receive in trade a price that at that time was just 14 cents a dozen less than the Philadelphia price.

* * *

We were pleased to note that Mr. J. C. Fishel was appointed postmaster of his home town, Hope, Ind. Our congratulations.

* * *

The eggs from the Orient
I view with alarm.
But if I don't eat them
They'll do me no harm.

* * *

Some friend (unintentional) has sent me the following:

If I had a thousand lives to live,
I'd live them all for you;
If I had a thousand hearts to give,
You'd get the thousand, Sue.
On the other hand, in the winter's storm,
When you're so cold you're blue,
If you had a hundred feet to warm,
I'd warm them all for you.

* * *

Frank Platt may not be guilty, but if we thought so we would dedicate the above to him.

* * *

Reports say that we are to have a new weekly poultry journal, with Messrs. Robinson and Green in charge. There's room for more if it's a good one, and these men are a guarantee of that.

* * *

Never try to substitute anything for tact, push or principle.

* * *

The feeding question is one that bobs up serenely every month of the year. If our friends would read their journals carefully they would find that Dr. Woods has written much on this subject and would also realize that we cannot handle it fully here. In these Chats we just sit on a fence whittling and passing a few remarks for others to think over.

* * *

Corn, wheat, oats and other grains are all good, substantial foods; variety of food is essential, for now fowls will do well if either overfed or underfed on any one grain; mixed they do very well, but it is partly up to you to find the proper proportion at which they will do best according to your other conditions of housing and range, etc.

* * *

The American Poultry Journal Year Book for 1914 has one of the best feeding articles we have seen, treating all sides of the question.

* * *

The following letters will explain themselves:

Boston, Mass, July 11, 1914.

Dear Sir—I found a hat marked W. B. A. on my roof the other day, and as it had a feather of a Barred Rock stuck in the band thought you may know the owner, as it evidently belongs to a hen man. Please advise. Yours truly,

B. B. Beans.

Irondequoit, N. Y., July 14, 1914.

Dear Sir—Thank you very much. I know the owner of the hat and wish you to preserve it in moth-balls and store it in a safe deposit vault. I will call for the hat in January. This helps to clear a great mystery. Yours very truly, H. P. Schwab.

* * *

This will have to do for now. We hope to meet our friends at the Chicago convention.

Read page 1095

Pure Bred **Day-Old Chicks**



Capacity 35,000 per week

Finest Quality
Lowest Prices

Engage now for Spring Delivery

M. Uhl & Co.
New Washington, Ohio

Fell's Famous White
Wyandottes

have won the last **four** showings at **Madison Sq. Garden, N. Y. 12 1st Prizes** and about everything else there was to win. I have the finest ever bred. Catalogue free.

A. J. FELL
BOX J WEST POINT, PA.

Summer Sale
of
Trap-Nested Layers

The Peabody Farms have in their Breeding Yards hundreds of birds that have high records as layers during the first six months of this year. We have thousands of early hatched chicks bred from them that are coming along in fine shape. We are now offering to the public our first Summer Sale. This will be an exceptional opportunity to secure **White Leghorns, Orpingtons, Rocks and Wyandottes** that are layers and have records behind them.

We are booking orders for cockerels. We will deliver the birds at your convenience. We will ship you all the birds you desire on approval.

Aug. is the month to select your breeding **Drakes.** We have hundreds of **White Pekin Youngsters.** We are offering our old breeders at a great sacrifice.

We are now booking orders for September and October delivery of chicks.

We have **White Holland Turkeys, White Embden Geese, White Guineas and White King Pigeons. Mallard Ducks, Wild Geese, and Pheasants of all kinds.**

PEABODY FARMS, Hinsdale, Ill.

Grow Your Own Vegetables

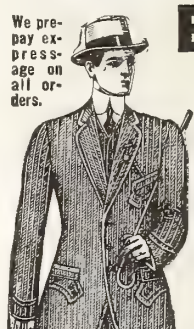
Cut down your living expenses. You'll be astonished how healthful it is to cultivate a garden and how easy if you use



Planet Jr Garden Tools

This implement has one pair plows, one pair hoes, 1 cultivator teeth, and a pair of leaf lifters. The attachments sold with this No. 12 are what gardeners use most, and others can be added as wanted. **FREE**—an instructive 72-page illustrated catalogue. Send postal for it today. **S. L. ALLEN & CO., Box 1107T, Philadelphia**

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In spare time by showing our excellent line of made-to-measure suitings, and taking orders. Nothing touches us for quality. Wear the agents' special suit and every fellow will want one like it. Make

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And be the swell dresser in your town. Don't fear to try. Any one can do it with our agents' big, **FREE OUTFIT** and full instructions. No money required to begin. A fit guaranteed or money refunded. Don't wait. Grab this quick by writing for the agency. A postal card will bring our free offer and agents' secret wholesale price list.

SUPREME TAILORING CO., Dept. 135 CHICAGO

SHOEMAKER'S BOOK ON POULTRY



AND ALMANAC FOR 1914.

There is nothing in the world like it. It contains over 200 large pages, handsomely illustrated. A number of most beautiful **Colored Plates of Fowls,** true to life. It tells all about all kinds of **Thoroughbred Fowls,** with life-like illustrations, and prices of same. It tells how to raise poultry successfully and how to treat all diseases common among them. It gives working plans and illustrations of convenient Poultry Houses. It tells all about

Incubators and Brooders

It gives full instructions for operating all kinds of Incubators. This chapter is marvelously complete and worth dollars to anyone using an incubator. It gives descriptions and prices of Incubators, Brooders and all kinds of Poultry Supplies. In fact, it is an encyclopedia of chickendom, and will be mailed to anyone on receipt of only 15 cents. Your money returned if not pleased.

C. C. Shoemaker, Box 605 Freeport, Ill.

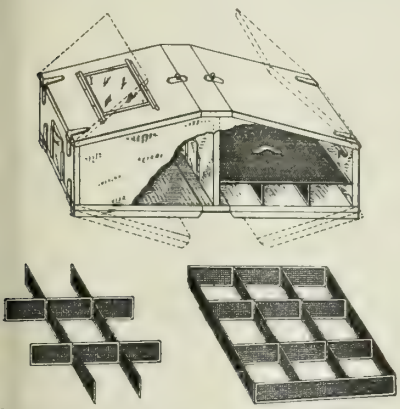


The Globe Incubator. Best in the World.

Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.

A BROODER designed by William T. Rolph, Geneva, N. Y., has a compartment frame of wire screening suited for confining young chicks in separated groups in the compartments, and thus prevents crowding of

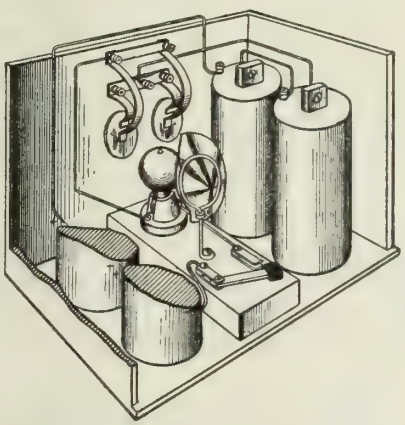


Brooder, patented June 2, 1914, by William T. Rolph, Geneva, N. Y. No. 1,098,531.

the chicks, which might result in suffocation. The screen frame may be lifted out vertically from the floor of the brooder when desired. Patent 1,098,531.

A new poultry-feeder, the invention of Frederick A. Zimmer, Covington, Ky., has a series of hopper members with slanting walls so as to leave open feeding spaces for the poultry on each side. The particularly novel feature of the invention resides in the corrugated bottom, which has a longitudinal inverted V-shaped portion of the floor, which prevents the fowls from scratching feed out of the hopper. The roof is hinged. Patent 1,099,331.

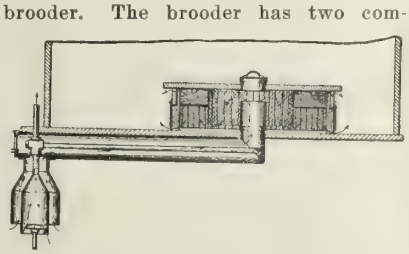
Albert E. Graves, Lenexa, Kan., is the inventor of an electrical egg tester. In this device the circuit is closed when an egg is placed in position for testing, thus turning on an electric



Electric egg tester, patented June 16, 1914, by Albert E. Graves, Lenexa, Kas. No. 1,100,556.

light. When the egg is removed the circuit is broken and the light is out and no current wasted. The illustration shows the device arranged for testing two eggs at a time. Patent 1,100,556.

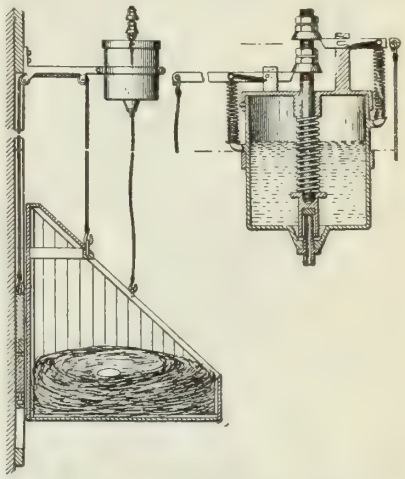
Harmon A. George, Petaluma, Cal., has a somewhat novel heating arrangement for his new brooder. An air heating system supplies the inlet with pure warmed air and discharges all products of combustion outside of the brooder. The brooder has two com-



Brooder, patented June 16, 1914, by Harmon A. George, Petaluma, Cal. No. 1,100,368.

partments, one curtained off from the other. One may be heated to a greater temperature than the other, so that chilled chicks may be quickly warmed in it and afterward pass to the cooler compartment. Patent 1,100,368.

An automatic hen-marker is the somewhat extraordinary invention of Frank H. Preble and Kellum D. Grant, both of Philadelphia. Its purpose is to automatically classify hens as to their propensity to enter a nest. The nest is hung so as to operate the valve in a liquid container suspended over the



Automatic hen marker, patented June 2, 1914, by Frank H. Preble and Kellum D. Grant, Philadelphia. No. 1,098,971.

nest and cause a drop of coloring fluid to escape and drop on the hen's back



1st Cockerel, Madison Square Garden, 1913



Head of 1st Pen Philadelphia

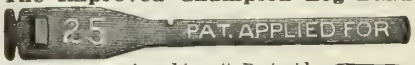
Summer Sale of Rancocas Stock

Rancocas have in their breeding yard over sixty birds that have won at such shows as Madison Square Garden and Palace Show, New York City, New York State Fair, New Jersey State Fair, Boston, Philadelphia and Hagerstown. We have hundreds of early chicks bred from them that are coming on splendidly. We propose for the first time in the history of the farm, to hold a summer sale, and to offer at reduced prices some of our record birds, together with 200 other choice specimens.

This will be an unusual opportunity to secure White Leghorns and White Rocks that have won national fame. The sale will include White Leghorn males that have won as follows: First Cock at Philadelphia, 1912; First Pen Male at Philadelphia, 1911; First Pen Male at Boston, 1913; First Pen Male at Madison Square Garden, 1910; and such famous White Rock males as Second White Rock Cockerel, Boston, 1913; Third Cockerel at Madison Square Garden, 1913; Fourth Cockerel at Madison Square Garden, 1913, and Fourth Pen Male at Boston, 1913. This sale will include many other record birds and choice breeders. Write for our summer sale catalog.

RANCOCAS POULTRY FARMS
Box 510 Brown's Mills, N. J.

The Improved Champion Leg Band



Aluminum, numbered to suit. Postpaid 100-35c; 50-20c; 25-15c; 12-10c. Initial extra 10c per 100; 50 or less 5c. Circular free giving prices on Superior, Riveted and Pigeon Bands. Sample for stamp.



T. CADWALLADER, Box 1452 Salem, Ohio

WHITING'S WHITE DIARRHOEA REMEDY

CURES AND PREVENTS
White Diarrhoea, Chicken Cholera and Bowel Trouble
and makes your chicks
Grow Faster, Stronger, Larger

All poultrymen, except those who use Whiting's Remedy, know they never raise more than half the chicks they hatch—White Diarrhoea kills them. We guarantee Whiting's White Diarrhoea Remedy will enable you to raise practically every normal chick hatched.

One 50c bottle treats 150 chicks and saves the 50 per cent of them that you have been losing right straight along.

Get a bottle of Whiting's White Diarrhoea Remedy today. Biggest breeders depend upon it. 50c and $1 a bottle.

Whiting's Roupene cures Roup, Canker, Diphtheritic Roup, Sorehead, Limberneck, Colds, Pip, and leaves no bad after effects. No quarantine necessary. **50c & $1.**

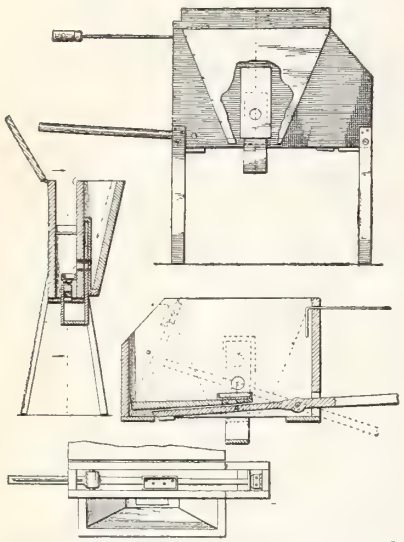
Whiting's Remedies are sold by dealers or mailed by us on receipt of price.

New Book FREE—Write for it today.

O. K. CO., Dept. 39, 157 Water St., NEW YORK

to distinguish fowl that frequent the nests. Patent 1,098,971.

James T. Howard, Warren, Md., has patented a new chicken feeder and exerciser. It is of durable construction and easy to operate. Feed bait attracts the poultry to hop on the lever, which is thus depressed and the feed widely scattered from the feed pan. Patent 1,099,443.



Feeder and exerciser, patented June 9, 1914, by James T. Howard, Warren, Maryland. No. 1,099,443.

WIND-PROOF POULTRY HOUSE CONSTRUCTION.

Practical Instruction for Making Tight Joints at Eaves and Foundation.

IT IS A DECIDED advantage in open-front housing in cold, windy climates to have the roof, sides and rear of the house wind, rain and draught proof. By the use of roofing fabric it is comparatively easy to make the four sides tight, but the real difficulty comes in closing up the eaves to completely exclude wind or beating rain and retain a neat, pleasing appearance for the building as a whole.

A building of any size which lacks an overhang of roof loses 50 per cent of its possible attractiveness. Overhanging roofs cost a trifle more than the flush variety, but are worth the extra money. We have a 60-foot open-front breeding house built with a drop front of two feet and a roof projection of fifteen inches at sides and rear, which faces directly upon Lincoln highway and an interurban line, which has gained us many customers by its pleasing appearance, people coming in primarily to examine the building, but who go away satisfied customers.

The usual plan of making a flush roof and then turning the edges of the roofing down over the sides makes the house look like a box and affords no protection to the sides from the drip of the roof. On a large house a projection of at least a foot is a decided advantage, but to build it economically and make it tight without the aid of skilled labor sometimes "stumps" the average poultryman and amateur builder.

The usual custom of cutting a board to fit around the projecting rafter ends and nailing it over the siding is not sufficient for a wind-proof joint. Shrinkage of the lumber will open up good-sized cracks and it is a difficult matter to make a fit at all joints at the start.

The accompanying drawings show the easy and inexpensive methods which are used on all of our large and colony houses. We do not believe in "frills" of any sort, but we have found that sound, durable construction pays a dividend every year, particularly upon the poultry plant.

For a 20x20 foot house or houses of similar size, the roof should project one foot on all sides; for larger buildings, from one to one and a half feet will be about right. For a colony house 8x10 or 8x12, six or eight inches overhang is sufficient, and for the 8x8 A houses we have a special form of cornice described subsequently.

Fig. 1 shows how an air-tight eave is made at the rear of the house. The rafters are sawed in the shape designed and a 1x12 board (for a one-foot projection) is nailed to their undersides. The rafter ends can then be cut off flush with this board. This frieze board does not have to be of cypress or white pine. Yellow pine, if clear and sound, will answer nicely. For 8x10 shed roof houses, we use No. 2 1x6 yellow pine

S. C. Red "Aristocrats" await you, bred from my MADISON SQUARE GARDEN BLUE RIBBON WINNERS. Wonders for color and type.
IRA M. CROWTHER, Box A, Willoughby, Ohio

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with greatly reduced prices is being appreciated and the bargains are many. By the large saving in various ways in consolidation we are in position to save you money.

Never in the History of the Fancy Poultry Business

has anything been done that will improve conditions and assist the poultry buying public in reduction of prices as will the uniting of these successful farms. Our saving is enormous and our customers are going to reap the benefits. No need to go into details about the **quality** of the fowls we offer you, as the records won for the past years are proof positive **there is no better.**

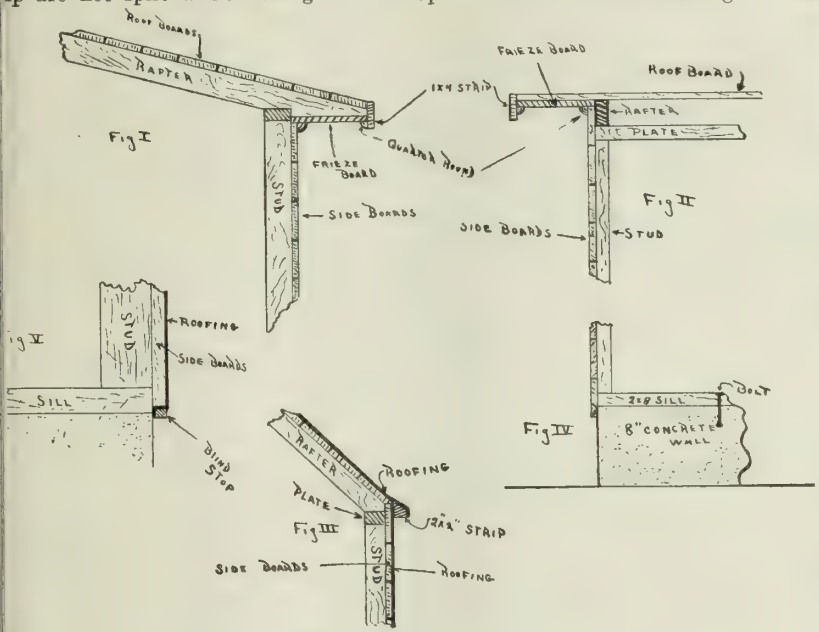
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for your fall show. Our SERVICE DEPARTMENT will buy or sell for you anything in the way of Poultry, Dogs, Animals or Ornamental Birds. THE BEST IN POULTRY FEEDS, the kind we know of over thirty years' experience will give results. The United Poultry Farms beg an opportunity to prove to you their ability to give you better value for your money than you can secure anywhere. SALE LISTS FREE. Special Prices on Eggs and Chicks.

ADDRESS BOX A, INDIVIDUAL FARMS, OR

SCOTCH PLAINS, N. J. **UNITED POULTRY FARMS** HOPE, INDIANA

ces for this purpose and they do as ll as higher priced material. The ing is then fitted up tight to this ard and a 1x4 strip nailed to its edge d the rafter ends. The joints are cked with quarter round and when ll painted this makes an air-tight nice and one that will last as long the building stands. Care must be ten that the frieze board and 4-inch ip are not split when nailing. Fin-



ing nails are best used for this pur- e.

ig. 2 shows how the eaves are cked at the sides of the roof. With- the frieze board nailed lengthways the underside of the projecting roof ards, a wind-tight joint could not be ected even if the roof was laid with tched lumber. The joints will open time and between each board will be eady avenue for air and wind. The method described makes a very neat cornice, takes little material and labor and forms a smooth surface for painting.

Another place usually neglected in poultry house construction occurs along the base of the house when roofing fabric is used to cover the sides. If the boarding runs up and down (which is the most economical form) the roofing must be bent under and nailed tightly up to the sill and bottom edge of the siding. Otherwise wind and snow will be driven up between each side board inside the house. To accomplish this the side boards should come to within one-half inch from the bottom of the sill and the roofing pushed in and nailed securely with a strip of $\frac{1}{8}$x1$\frac{3}{8}$ blind stop. See Fig. V for detail.

Fig. IV shows foundation for large laying house. We formerly used double wooden floors set up on oak blocks, but now prefer an 8-inch concrete wall, to which is bolted a 2x8 sill. We give the sills a coat of hot linseed oil to render them rot proof and embed them in mortar so there is a perfect union between them and the concrete foundation. This house has withstood some of the most terrific windstorms ever experienced in the Great Lakes region.

Fig. III shows the finish of an 8x8 A shaped colony house, which style we prefer to any other in this size, and believe it to be a considerable improvement over the usual method of continuing the roofing down over the sides with no breaks between roof and sides. The boarding should be made flush, the side roofing put on, and a 2x2 then nailed all around the eaves, front, back and sides. The side pieces are beveled off a little as shown in the figure, and the roofing is bent down over the strip, completely covering it. This makes a perfect joint and throws the drip off the roof away from the building, and adds greatly to the appearance of the structure.

Just a word as to the selection of roofing. Authorities on poultry house construction now agree that the single boarded wall covered with good roofing represents the utmost in the way of practicability and economy. Good roofing is cheaper than paint for the walls of a permanent building. Would advise a three-ply fabric on roof and a two-ply on sides of poultry buildings.

"On to Buffalo"

Mr. Poultryman:
Have you stopped to consider the value exhibiting at an early show?
Do you appreciate the value of showing a National Exhibition?
Do you realize what it means to ship hibits so that they will reach the show om quickly? The

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ves you these and many other splendid portunities, including valuable regular d special premiums, best judges, grand hibition building, etc.

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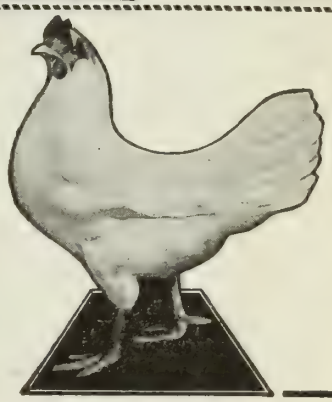
MOULDS FATAL TO POULTRY.

BY H. L. KEMPSTER.

MOULDY litter in poultry houses and mouldy feed are the cause of a large number of deaths among poultry and particularly among chicks.



Quality Bred-to-Lay S. C.
White Leghorns
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Special summer discounts on old and young stock. Best values we have ever offered. Choice cocks, hens, cockerels and pullets bred from trapnested hens that lay more than 160 eggs a year. **Choice trios and pens** that have laying qualities bred in the bone, and that will also produce good exhibition birds. Ferris Leghorns have been trapnested for nearly 14 years, and will make the best possible foundation stock for egg production. We can furnish **pullets and hens in hundred or thousand lots** at very low prices. Whether you need only one bird or several hundred, it will pay you to get our prices and investigate the quality of our stock before you buy.

Satisfaction or Your Money Back

You can return within three days any birds that are not satisfactory and money will be refunded. All stock is **insured for 30 days**, if any die or get out of condition we replace free of charge. Your success is our greatest concern and we stand back of you with advice and assistance until you are profitably established.

Winners for Any Show

Ferris Leghorns are unequalled as exhibition birds. No matter where you want to win, we have the stock you need with fine heads, long backs, low tails, pure white plumage and close approach to perfection in every little detail. We have been winning for years at the largest shows and during the past year have won over **50 FIRST PRIZES AT 15 BIG SHOWS** in all parts of the country.

Write for free 80-page catalog giving list of winnings, testimonials, prices of all grades of stock, guarantee and complete information. Tell us your needs so that we can quote prices.

Geo. B. Ferris, Ferris Leghorn Farm
905 N. Union Ave. Grand Rapids, Mich.

These moulds taken into the body of the fowl cause a disease known as Aspergillosis. The disease is as fatal as the name sounds. Our scientists have neglected to find a shorter name for the disease, but among poultrymen chicks affected with the trouble are commonly spoken of as "lungers". Many times the disease is mistaken for white diarrhea. The Missouri College of Agriculture, in its investigation of poultry diseases, notes the following characteristic symptoms: The chick stands around in a drowsy manner and shows little desire to eat. The wings hang down, the breath is rapid and a white diarrhea is present.

An affected chick will be found to have soft, yellow growths from the size of a pin head to that of a pea, mainly in the lungs, but sometimes in the intestines and mesentery. These growths, clogging the air passages of the lungs, are directly responsible for the death of affected birds.

In mature fowls there are two forms of the disease. The mucous membrane lining the air-sacs and tubes may be covered with a membraneous formation which is soft and yellowish and has an offensive odor, or the post mortem will reveal white or yellowish nodules imbedded in the tissues of the lungs.

Early symptoms are that the bird is inactive, sleepy and if forced to run, will fall from exhaustion; breathing is rapid, appetite is diminished and more or less catarrh is present.

There is no cure for the trouble, but since it is caused by eating mouldy feed or by being permitted access to mouldy litter, it can be entirely prevented by not compelling fowls to eat mouldy food and by keeping them away from mouldy litter.

This is just one of the many poultry troubles that can be avoided by feeding nothing but fresh, clean feed and keeping the pens and yards free from filth and moulds.

Myers' Barred Plymouth Rocks

I will now sell a lot of my breeding birds at reduced prices to make room for growing young stock. These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder desiring choice exhibition and quality birds. I sell in lots and quantity to suit, and assure absolute satisfaction. Selected Breeding Cockerels, $5, $7.50, $10, $15. Selected Breeding Pullets, $3, $4, $5 to $10. Trios, $10 up. Pens, $15 up. A Special Pen of Male and 4 Females, $25. Remember I select and mate all birds sold. Write me your wants. **Eggs for hatching.** Write for free catalogue.

C. N. MYERS - Box A - HANOVER, PA.

Removal Sale

Owing to the removal of our Red Farm to Hope, Indiana, where a new farm has been purchased and where we will erect a new model poultry farm.

Buschmann-Pierce Red Farms

are offering for sale at greatly reduced prices several hundred Reds at extremely low prices. High class EXHIBITION BIRDS (young birds ready to enter the show room), SELECTED BREEDERS, and the greatest lot of UTILITY REDS ever offered by any breeder. These birds must sell to save moving expense. No need to go into details about the quality of our

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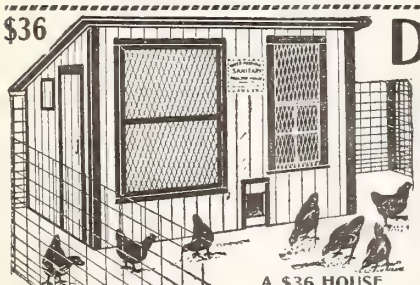
for all Red breeders know THERE IS NO BETTER. Send for Removal Sale List; it is Free. These are Bargains.

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$36



A $36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5-ft. 3 perch complete hennery outfit for 30 hens. Price of complete house, $36. Painted 2 coats.

Don't Build

you can buy better, cheaper, more complete, ready-made (factory made) hen houses, roosting and nesting features, coops, hoopers, etc., from Potter & Co. We buy No. 1 high grade cypress lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures

Portable - Sanitary - Inexpensive

Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a **Potter Portable** with complete outfit of roosts, dropboards, and nests. You save money too. A clean, sanitary henhouse means healthy hens and lots of eggs.

OUR BIG CATALOG

contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalog and circulars on the Potter System book.



A $6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter hennery outfit for 36 hens. This same style made in 12 sizes.



Don't Kill

or sell your laying hens.

Use the POTTER SYSTEM and pick out the layers from the loafers and diseased hens. Keep only healthy laying hens. The POTTER SYSTEM is a secret and the greatest discovery of the century in the poultry world on the subject of Egg Producing Hens. Used by over 3,000 satisfied poultry keepers, who are saving dollars every year.

Our new 100-page Potter System book, "DON'T KILL THE LAYING HEN", contains the secret and knowledge about laying and non-laying hens. It's revelation to poultry keepers, and you will learn how you can use the Potter System on your flock, keep less hens, get more eggs and make more money using it. Write today, sending two red stamps to cover postage on our large catalog and circular telling about Potter Poultry Products made for Particular Poultry People. If you are particular and want to make more money on your flock, you will write us today.

T. F. POTTER & CO.

Box E-21 Downers Grove, Ill., U. S. A.

An experimental poultry farm is to be established near Pueblo, Colo., in the very near future as a result of the efforts of the Pueblo Poultry Association. Land owners have offered to donate the necessary land and the Pueblo Poultry Association will furnish the equipment. The business men of Pueblo have agreed to contribute toward a fund for the purpose. The object of the movement is to get the farmers of the Arkansas valley interested in poultry culture and furnish them practical instruction.

SUMMER CARE OF POULTRY.

DURING the hot days of summer the fowls require careful attention if they are expected to do well. Lice and mites multiply very fast at this season and so do disease germs or bacteria. When the breeding season is over the males should be separated from the females, as both will stand the hot weather better and come through the moult in better condition. During the moulting season the sharp toe-nails of the males will often tear the skin on the backs of the females if both sexes are allowed to run together. Extra good care at this season means old stock that will put on new plumage as rich colored as pullets and pullets that will fill the egg basket next winter. But a little neglect in providing clean quarters, shade, fresh drinking water or in fighting lice and mites and the chicks are stunted and the constitutional vigor of the old fowls weakened beyond which neither will entirely recover.

Too many poultrymen give their chicks good care for the first month or two and then expect them to shift for themselves with a little grain thrown to them now and then, but even on the best of free range this method will always work disastrously. Given free range the chicks will find a large number of insects, fresh green food and some weed seeds, but not in proper amount or balance to supply the needs of their fast developing bodies. When hand feeding is practiced the chicks will wait around the feeding place an hour or two when they should be searching for insects and then when the feed comes they are apt to overeat, being so hungry. The best plan is to give both grain and mash in hoppers and not feed by hand except just be-

fore the chicks go to roost in the evening. A satisfactory ration is equal parts (by weight) wheat bran, wheat middlings and beef scraps fed dry from a hopper and cracked corn fed from a separate hopper with soaked oats fed in the evening just before the chicks go to roost. This makes a very satisfactory ration without the oats, but the chicks will grow to a larger size if fed the oats.

One of the problems during dry, hot weather is to keep up the appetites of the chicks. For this purpose nothing excels buttermilk. It cleanses the digestive system of bacteria as well as providing valuable nutriments. Chicks and fowls given plenty of buttermilk to drink will seldom be subject to diarrhoea and will be larger, longer and glossier of feather and much better in every way than those that are compelled to do without it. But whatever feeding system you follow be sure to have a system and be very careful about making changes. The best way to feed chicks is to give them the same food from the shell to maturity. Of course, the grains must be finely cracked for young chicks and coarser for older chicks and it may be advisable to make slight changes in the food that is fed, such as adding a different kind of grain or omitting another, but such changes should be made very gradually. I have known people to feed corn when it was the cheapest grain and then when wheat was cheaper feed wheat, feed dry mash a few weeks and then change to wet mash or feed whole grain entirely. Such changing shocks the digestive system and stunts the chick.

The fowls' quarters should be kept clean at all seasons, but especially at this season, when mites and disease germs multiply rapidly.

Cleanliness does not merely consist of removing the droppings from the dropping boards and frequently renewing the litter, but the house must be kept germ clean. When you clean your houses clean them thoroughly, remove all litter, dust and dirt, and follow with a thorough scrubbing with Zenoleum or some other good stock dip, being sure to get it into every crack, and your house will be free from disease germs and mites. During hot weather it is important to do this often, as the mites get on the chicks from the grass and one cannot be entirely rid of them for any length of time. Lice live on the fowl's body and must be killed by dusting or dipping the fowls. A good cheap lice powder can be made by taking 2 parts gasoline to 1 part crude carbolic acid (95 per cent pure) and adding enough plaster of paris to take up all the moisture and not leave the mixture damp enough to become lumpy. To be effective any lice powder must be freely used and dusted all over the fowl's body, even if the lice are apparently only in one place. The fowls should be dusted at night and quietly put back on the roosts so the powder will remain in the feathers over night. The powder kills the lice, but not their eggs, so it is necessary to repeat the dusting in six or seven days to kill the lice that have hatched from eggs.

Fowls and chicks of all ages, but especially half-grown chicks, are apt to be bothered with intestinal worms at this season. Epsom salts given in a damp mash will cause the birds to expel the worms. This should be given at the rate of a teaspoonful for every two or three mature fowls or three or four half-grown chicks. Close the hoppers in the morning and feed the mash in the evening. If you have hens setting now be sure to pour a little warm water in the corners of the nest every few days and dust the hens frequently and thoroughly. Given these attentions, they will do well and bring off better hatches than they would earlier in the season. All breeders of exhibition birds and especially of the colored varieties find it highly profitable to hatch a goodly number of summer chicks, as they make the best colored birds, getting their mature plumage in the fall and winter when they do not have so much hot sun and dry air to fade their plumage. Chicks hatched at this season must be given a range apart from the older chicks and be kept free from lice and mites. Keep the mother hen confined to the coop till late in the afternoon each day unless she is very quiet and will keep the chicks in the shade most of the time. Fowls of all ages will suffer greatly if compelled to do without shade at this season. If you have not natural shade at their disposal, such as trees, bushes and sunflowers, you can very easily provide artificial. One way is to make a frame of poles about three feet above the ground and cover them with fresh cut, leafy brush. The city poultryman who has not these things at his dis-

BLUE ORPINGTONS
The best stock and quality. A few choice show birds.
Adoph Lehne Mechanicsburg, Ohio

Sick Chickens Bought
We give 8c per pound for sick chickens and cure them with
"OCULUM"
Startling statement, isn't it? Get our literature, and learn how. It's FREE. Will send $1 btl. for 10c, pay balance, if O. K. **H. I. CO.**, Box B, **Salem, Va.**

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YESTERLAID Strain. Bought by 19 Exp. Stations. Pullets lay at 4½ months. Breeding Stock. Eggs. Prices very reasonable. Our methods bring success. Write for details.
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100 PULLETS FOR SALE
S. C. W. Leghorns
From our own heavy laying stock, bred and raised on our own farm. We guarantee all stock.
March hatched...$1.75— August delivery
April hatched...$1.65— Sept. delivery
May hatched....$1.50—October delivery
June hatched...$1.25—October delivery
RIVERSIDE POULTRY FARM GILBOA, N. Y.

Lyman's S. C. White Orpingtons
We have old birds well along in molt, and young stock ready to win at your fall fair. Write
A. F. LYMAN - - - - - - - BREMEN, OHIO

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The record champions of Madison Square and Boston. My free catalog tells the story.
CHAS. H. WOOD Mutual Building WORCESTER, MASS.

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Win wherever shown. Write us for prices on show birds. Satisfaction guaranteed
FAIRFIELD POULTRY FARM. H. W. SCHNITZER, Prop. FAIRTON, N. J.

BARGAIN SALE of Black, White and Brown Leghorns, Barred and White Rocks, White Orpingtons and R. I. Reds. Both old and young stock on list. Must sell quick to make room. Write for list.
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R. C. Rhode Island Reds
For Sale — From Our Improved Bean Line
A few choice breeders, both male and female, at reasonable prices. All strong in the blood lines that have been winning at New York, Pittsburgh and Chicago. Write us at once if you are in need of a good one.
SIMMONS & CRITTENDEN - GENEVA, OHIO


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The Complete Oakes Line of Labor Saving Poultry Yard Devices
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Why they are all feeding
The Only Grit
Because it makes hens lay.
Because it keeps them healthy.
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Ask your dealer; take no substitute; send for samples, prices and facts. 2 and 10-lbs. by parcel post. Address
MERIDITH MINING & MILLING COMP'Y
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175 W. JACKSON BLVD. CHICAGO, ILLINOIS

posal may take a piece of wire netting and cover it with a layer of straw, fastening another piece of netting on top of the straw to hold it in place. This can be suspended above the ground by short posts at each corner.

Camp Point. Chas. Simmonds.

THE POULTRY SILO.

THE silo is in no sense an experiment, and is not a new thing.

Although it is the disposition of some to look upon it as having developed within the last decade, according to history it was a common practice as far back as the time of Greece and Rome to preserve grain and green feed in underground pits. Also the custom for hundreds of years to preserve green feed in the same manner in northern Europe, where the uncertainty of the weather made it difficult to cure hay.

The first silo in the United States is said to have been built in Michigan in 1875. Since then we are all acquainted with the growth, value, and widespread use of the silo. Every agricultural paper in the United States advocates this economy and great usefulness. Every farm paper praises them. Their testimonials are hundreds of thousands. For supplying the farmer and stockmen with a feed that is equal to June grass with grain combined. All this has been proven true by the best advice and experience in America.

Enough green food is one of the secrets of a generous supply of winter eggs, also of the health of the flock. This has also been tested. Hens are more fond of it than any other feed and do better. Give them good winter quarters, plenty of sunlight, fresh water, meat diet when needed, keep grit in boxes and silage twice per day, and there will be no excuse for not getting eggs in winter. It is the testimony of hundreds of farmers who have given their flocks ordinary stock silage that they received eggs all winter when their neighbors got none.

Poultry silage is prepared in the same way as stock silage with the addition of so much small grain per foot, such as wheat, oats, millet or barley, kaffir corn if preferred, all combined makes the best ration in the world, as well as scratch feed.

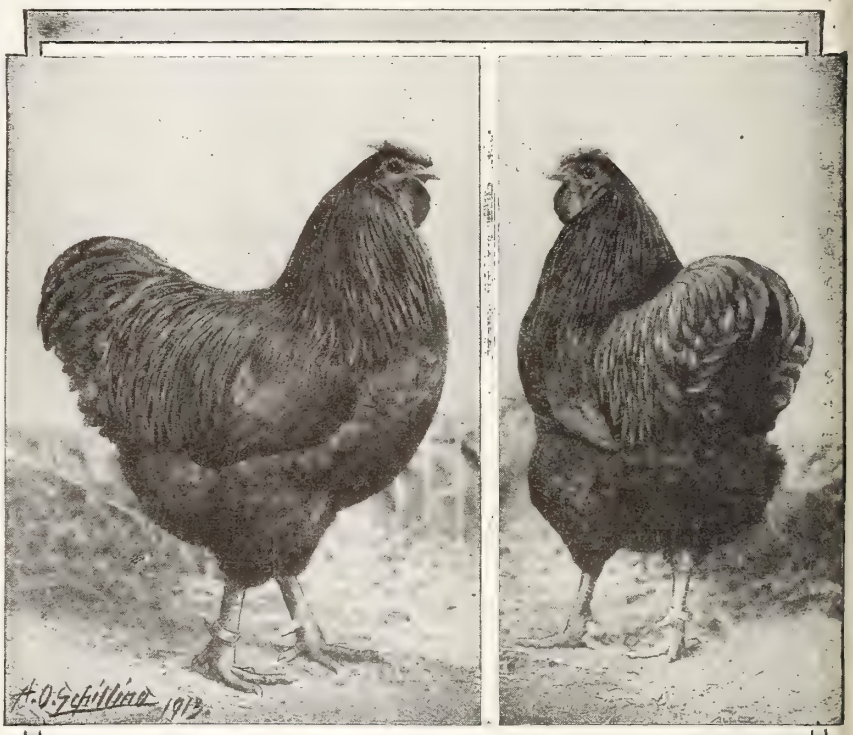
Silage bears a similar relation to fresh corn that canned fruit or canned sweet corn does to the fresh article. The feeding of silage in winter makes it possible to keep the animals or poultry of any kind in practically the same condition that they were on pasture or range in the summer.

We erected one silo, 12x20, at the cost of $50, estimated capacity 50 tons, actual capacity 45 tons. It is built of ordinary fir flooring of good quality that can be bought at any lumber yard and built any size to suit the needs of the user. No extra machinery is needed beyond the ordinary farm silage cutter, which can be rented or a number of poultry men club in and own one. All working together can fill a silo at very low cost per ton. One noticeable feature in our thoroughbred Rocks was their plumage and combs being in the most perfect condition all winter, far excelling those that were not fed silage.

From our experience and hundreds of others, I believe it to be the coming feed in the poultry world.

S. E. Shelbourne.

New London, Mo.



PROFILE AND REAR VIEW OF FIRST PRIZE PARTRIDGE WYANDOTTE COCK CHICAGO SHOW DEC. 1912. BRED AND OWNED BY SHEFFIELD FARMS GLENDALE OHIO

Poultrymen, as a rule, are sadly deficient in the possession of a degree of business acumen that prompts them to dispose of their product to the greatest possible advantage. After a certain stage in the life of a fowl, every day that it is fed and cared for represents nothing but loss to the owner. Yet how many of our practical poultrymen take advantage of their own knowledge in this respect? In any other business, every effort is put forth to earn the greatest possible profit, and it is just as important in the poultry business. Those principles of business can be applied with the same shrewdness and sagacity in the poultry business as in any other. Why not do it? Why not apply business principles to a poultry business?

Don't Feed Green Food!

Do away with the bother by using

Succulenta Tablets

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail $1.00. YOUR MONEY BACK IF NOT SATISFIED. Drop postal for particulars to The Succulenta Co., P. O. Box 405-1, Newark, N. J.

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S. C. WHITE LEGHORNS BUFF ORPINGTONS
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Breeding Hens and Early-Hatched Cockerels



Splendid, sturdy stock from champion egg-layers. Winners in 1913 N. A. and Mo. contests—leading in current contests. Buy to advantage—now! Booklet tells all about the most profitable poultry in America.

PENNA. POULTRY FARM
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First Prize Buffalo 1911

First Prize Boston 1909

Fiske Strain White Leghorns Are Money Makers

TO get back to the old, old argument—good birds cost no more to keep than indifferent ones. That they yield more, eggwise and every otherwise has been proven so often, that anyone who refutes the statement needs to have their "head felt of."

If you want some spring water—the surest way to get it pure is to go right to the spring. If you want White Leghorns that are the pure blooded Fiske Strain, that has been gathering in the ribbons wherever shown—then Harlo J. Fiske is the man to buy them of.

Never have my birds been quite so fine or so full of promise. They are selling surprisingly early. What can we do for you right now?

HARLO J. FISKE
WHITE LEGHORN FARMS
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Associations and Shows

Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department

State Fairs and Expositions.

Sept. 28-Oct. 10—Alabama, Birmingham.
June 29-July 4—Alberta, Calgary.
Nov. 16-21—Arkansas, Hot Springs.
Sept. 29-Oct. 3—British Columbia, N. Westminster.
Sept. 12-19—California, Sacramento.
June 10-18—Canada, Winnipeg.
Aug. 29-Sept. 14—Canadian National, Toronto, Ont.
Sept. 14-9—Colorado, Pueblo.
Sept. 23-27—Connecticut, Berlin.
Sept. 8-11—Delaware, Wilmington.
Nov. 3-13—Georgia, Macon.
Sept. 28-Oct. 3—Idaho, Intermountain, Boise.
Sept. 18-26—Illinois, Springfield.
Sept. 7-11—Indiana, Indianapolis.
Nov. 28-Dec. 5—International L. S. Show, Chicago, Ill.
Sept. 21-26—Interstate L. S. Exp., Sioux City, Ia.
Aug. 26-Sept. 3—Iowa, Des Moines.
Nov. 4-11—Louisiana, Shreveport.
Sept. 14-19—Kansas, Topeka.
Aug. 3-8—Kentucky, Louisville.
Sept. 29-Oct. 3—Massachusetts, Brockton.
Sept. 7-10—Maine, Lewistown.
Oct. 13-16—Maryland, Hagerstown.
Sept. 7-18—Michigan, Detroit.
Sept. 7-12—Minnesota, Hamline.
Oct. 26-31—Mississippi, Jackson.
Nov. 16-24—Missouri, American Royal Live Stock Show, Kansas City.
Sept. 26-Oct. 2—Missouri, Sedalia.
Sept. 21-26—Montana, Helena.
Oct. 22-31—National Dairy Show, Chicago, Ill.
Oct. 10-17—National Feeders' & Breeders' Show, Fort Worth, Tex.
Jan. 17-23, 1915—National Western Stock Show, Denver, Colo.
Sept. 7-11—Nebraska, Lincoln.
Sept. 28-Oct. 2—New Jersey, Trenton.
Aug. 31-Sept. 5—New York, Syracuse.
Oct. 19-24—North Carolina, Raleigh.
July 28-31—North Dakota, Grand Forks.
Aug. 31-Sept. 4—Ohio, Columbus.
Sept. 22-Oct. 3—Oklahoma, Oklahoma City.
Sept 28-Oct. 3—Oregon, Salem.
Sept. 7-12—Rochester Industrial Exposition, Rochester, N. Y.
Oct. 26-31—South Carolina, Columbia.
Sept. 14-17—South Dakota, Huron.
Nov. 8, 1914-Aug. 18, 1915—Southern States Pan-American, New Orleans, La.
Sept. 26-Oct. 3—Tennessee, Memphis.
Oct. 17-Nov. 1—Texas, Dallas.
Oct. 31-Nov. 15—Texas Cotton Palace, Waco.
Oct. 5-10—Utah, Salt Lake City.
Sept. 3-12—Vancouver, B. C., Vancouver.
Sept. 15-18—Vermont, White River Junction.
Oct. 5-10—Virginia, Richmond.
Sept. 12-20—Washington, Spokane.
Sept. 7-11—West Virginia, Wheeling.
Sept. 14-18—Wisconsin, Milwaukee.
Sept. 1-7—West Michigan, Grand Rapids.
Sept. 29-Oct. 2—Wyoming, Cheyenne.

—o—

The One Best Poultry Show.

The Great Allentown Fair, which is one of the half dozen biggest and best fairs in America, holds annually in connection with its exhibitions a poultry show that is unique in its nearness to fulfilling the claim of being the "one best poultry show."

Certainly it has many other things no other fall fair poultry show has, and practically everything the best winter shows can have or do have.

It has adopted for its slogan the words, "Noted for the Way It Does Things and the Things It Does," because it has originated and put into practice many new ideas and methods as regards poultry exhibitions; has done this fearlessly and knows no favored exhibitors; strictest impartiality and fairness for all. The smallest breeder as an exhibitor has a full, fair show with the biggest and is equally welcome. No officer, no employee, no judge can show a single bird in competition.

Big Prize Monies; Finest Selling and Advertising Possibilities. Few or no other shows pay the prize monies Allentown does and, being one of the biggest and oldest fairs in the United States, the opportunity to make sales, to advertise and gain prestige are extraordinary and unusual.

Attendance is absolutely unnecessary if not convenient or possible. Three-day show only and everything is done with business push and clock-like precision.

Begins Tuesday noon, September 22, and ends Friday noon, September 25. Entries close midnight, Friday, September 11.

W. Theo. Wittman again in charge. By special arrangement it has been made possible for Mr. Wittman to continue in charge and all letters regarding the show should be addressed to him, Mount Gretna, Pa. For premium list readers will address the Fair office, Allentown, Pa.

1914 Judges at Allentown. Following their usual custom of making a complete change of judges every two or three years, Allentown presents practically a new list of judges this year.

Allentown can afford to and does pay for the best judges, and no judges are taken on because they work cheap or for nothing. The list embraces fourteen judges, as follows: Chas. D. Cleveland, Eatontown, N. J.; Geo. H. Burgott, Lawton's Station, N. Y.; Louis Paul Graham, Collingwood, N. J.; Aug. D. Arnold, Dillsburg, Pa.; A. Fred Kummer, Butler, Pa.; T. F. McGrew, Scranton, Pa.; F. W. Corey, Mohegan, N. Y.; M. C. Richardson, Front Royal, Va.; Chas. T. Cornman, Carlisle, Pa.; Geo. L. Young, Brooklyn, N. Y.; Rudolph Sweissfurth, Philadelphia, Pa.; William Eluinzer, Philadelphia, Pa. The premium list will give the general assignment of these men as to classes and varieties, but this may be varied from considerably as occasion or need may arise.

Now is the time to read page 1059—its very interesting!!

RED W FARM — WADSWORTH & CASTOR
Princess Strain Rose and Single Comb R. I. Reds. Breeding birds and all stock at ½ price for 60 days. All eggs at a BARGAIN. Write us for particulars. Mention American Poultry Journal.
WADSWORTH & CASTOR Box W. WOLCOTT, N. Y.

SILVER CAMPINES GOLDEN
We are in a position to supply you with choice young stock, bred from our Chicago Blue Ribbon Winners, either single birds or in pens. We are offering our breeders at greatly reduced prices.
GENSEMER BROS. 161 Main St. CRESTON, OHIO

YOUR MOULTING HENS
need the proper nourishment. In order to grow good rich plumage they require the proper balanced feather forming feed.
ORR'S DIGESTIBLE MASH
exactly fills the bill. Always fresh and always the same. Prepared by D. Lincoln Orr. Send for our booklet telling all about the utmost in poultry feeds. Grange buyer's correspondence solicited.
WM. ORR & SONS Box 5 ORR'S MILLS, N. Y.

"O. K." Poultry Litter
TRADE MARK
Cheaper to use and better than Straw, Clover, Alfalfa, Sawdust, Shavings, etc. In Coops, Laying Houses, Colony Houses and Scratching Pens, "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet smelling and sanitary and needs cleaning out only once in three or four months.
"O. K." Keeps the Brooder Clean, Dry and Sweet
One lot of "O. K." Litter lasts until the chicks have outgrown the brooder, without once cleaning out. "O. K." Litter will NOT BURN. Lice will not come where it is used. TELL US HOW LARGE YOUR HOUSE IS—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.
FREE! Write today for sample of "O. K." Litter and copy of our New Poultry Book
O. K. Company, Dept. 183, 157 Water St., New York
"O. K." Trade Mark is on every bale of the genuine

MOE'S SELF LOCKING LEG BAND
MOE'S SELF LOCKING BAND READY TO BE USED


(Patented)
You simply push it together to lock it and it can only be removed by destroying the band. A sealed band that requires no sealer.
Every band has its own raised or embossed number.
12 Bands, any size 15c
Liberal Discount on Quantities
EASILY ADJUSTED WITH THE FINGERS AND IT IS THEN ON TO STAY

This is only one of the good things in Moe's line
Write for complete catalog
OTIS & MOE MFG. CO., 2011 Otis Bldg., CHICAGO, U. S. A.

The Greater Chicago Poultry Show.

The second annual exhibition of the Chicago Poultry Breeders' Association will be held January 14th to the 20th, inclusive, 1915, in the International Amphitheatre, Union Stock Yards, Chicago, Ill. This hall is without doubt the best lighted and ventilated, as well as the best known in the country. The floor space is large enough to stage the biggest poultry show without double tiering. The management is assured by all indications that they will hold the biggest and best show ever held by an association of its age. Up-to-date uniform cooping will be used. The judging will be by comparison, and the list of judges which will be announced shortly will comprise some of the most prominent judges in the country and a sufficient number so that the work will be done quickly and properly. Entry fees are $1.00 for singles and $3.00 for pen entries; $26.00 cash prizes will be paid in filled classes in all varieties, as well as silver cups on displays. Every premium is guaranteed. Any breeder figuring on making some good show this winter had better tary, Arthur E. Lemeux, 5630 Wilson Ave., bear the date in mind and send to the secre- Chicago, Ill., for a premium list, as this show will compare favorably with any show in the Central West, and a win there will add prestige to any exhibitor.

One of Nation's Biggest Shows.

The Kankakee Inter-State Fair, one of the most successful and most widely known Fairs in the country, will hold its meeting this year August 31 to September 4. Premiums have been increased $10,000.

In its coöperation with the Kankakee County Crop and Soil Improvement Association, the Kankakee Inter-State Fair is doing much to advance the interests of agriculture. Some months ago pamphlets were mailed out announcing the premiums on 390 different displays of farm and garden products.

Special interest was aroused by the premiums on soil maps, to be drawn by young men from the county, setting forth the drainage, roads, lanes, buildings, fences, types of soil and crop rotation of the farm on which they reside. The work of agricultural education has received a vast stimulus from the activities of the Kankakee Inter-State Fair. For premium list address Len Small, Kankakee, Ill.

The Augusta (Ga.) Poultry Association will, as has been their custom in the past, coöperate with the Georgia-Carolina Fair Association this fall by giving their annual poultry show on the same dates on which the Fair will be held, which means that the poultry show will take place October 19th-23d, inclusive—the Fair dates. The Augusta Poultry Association is one of the most stable organizations of which this city can boast, and the colossal shows that have been given in the past rank among the biggest in the country. All communications and correspondence in reference to the show will be promptly answered if addressed to Mr. H. W. Cameron, Secretary, Augusta, Ga.

The First Big One.

Through the solicitation of a great many exhibitors throughout the East, the management of the Williamsport Poultry Show have brought their 1914 dates forward one week, making them November 17, 18, 19 and 20. Williamsport has perhaps, with one exception, Madison Square Garden, gained a wider reputation than any other show in the East. At this show are annually found the sensational winners that later are crowned with the Blue at the Garden.

The policy of the Williamsport Show has always been to maintain a low entry fee, and to provide liberal cash and cup prizes. During the past six years Williamsport has been the "Mecca" for the poultrymen from almost every State in the Union and Canada, for here year after year many fancy sales are made by large and small breeders.

Mr. Geo. J. Hanks, secretary, would be pleased to correspond with all prospective exhibitors, giving them any desired information. Premium list will be mailed October 1st, and, as an entire new mailing list is now being prepared, names should be sent in at once in order to secure a copy.

Poultry Show Illinois State Fair, September 18-26, 1914.

The premium list of the great Illinois State Fair will soon be ready for distribution. Every poultry breeder and fancier should have one.

The Illinois State Board of Agriculture say the attractions this year will be greater than ever. Over $100,000 will be paid in premiums.

Mr. George Cooper, of the State Board, has again placed the department in charge of O. L. McCord, Peoria, Ill. Mr. McCord has been in charge of the department for a number of years and needs no introduction to the poultry public. Through his efforts he has made the exhibit at the State Fair one of the high-class poultry exhibits of the country.

The Poultry Department, as in the past, will be one of the leading features of the Fair. Illinois is fortunate in having one of the best poultry buildings in the United States. The department is cooped with the beautiful Empire coops; all fowls will be taken care of and handled by expert poultrymen, men who have had experience in handling large poultry shows.

Two large tents will be furnished by the State Board for the meeting place of the American Poultry Association, Specialty Clubs and School of Instructions.

Mr. Franklin J. Sewell, one of the leading poultry artists of the country, will be in attendance at the Fair.

The judging will be done in one day, by a number of the leading judges, leaving the exhibitors free the balance of the week to advertise and enjoy the Fair.

For further information regarding the Poultry Department, address O. L. McCord, 929 Jefferson Bldg., Peoria, Ill.

Missouri State Poultry Show.

The Missouri State Poultry Association will hold a Silver Jubilee Show in the Coliseum, St. Louis, Mo., Thanksgiving week, November 24th to 29th, 1914. This being the twenty-fifth anniversary of the State Association, it is planned to celebrate this anniversary by giving the largest and best show in the history of the association. It is a well-known fact that the Missouri State Show is one of the great shows of the country every year. The following judges have been secured to place the awards: Branch, Hicks, Southard, Emery, Rhodes, Thompson and Heimlich.

For further information please address Fred Crosby, Secretary, 3251 Gillham Road, Kansas City, Mo.

Of Interest to Local Associations.

The management of the Great Coliseum Exhibition have decided to offer a special that should in the right way encourage local associations to exhibit under the name of their associations. For the season of 1914 a special of $25.00 will be offered for first and $20.00 for second, to the breeders of local associations making the largest win, according to Rule 15. The entry blanks that go out this year will have at the bottom a blank line for each exhibitor to give the name of his association. This will be entered on the books of the secretary, and at the close of the show every award made on every breed or variety, Standard or non-Standard, will be credited to these associations, and the association winning the greatest number of prizes will be awarded the $25.00 and the one winning the next greatest number will be awarded the $20.00.

It would certainly be a credit to any asso-

Green Ridge White Orpingtons

Cook Strain, Win at Pittsburgh Fanciers' Show, February, 1914—Championship special for best display, cock 1st, pullet 1st, hen 3rd and 4th, cockerel 1st and 2nd, pen 1st, on eight entries. Eggs and Stock for sale. Write us your wants.

Green Ridge Poultry Farms, Inc. -:- **Green Ridge, Maryland**

RED SUSSEX FARMS'

RED SUSSEX SPECKLED

CHAMPION STRAIN

Winners at Crystal Palace and Dairy Shows, leading all other strains

Our Sussex can win for you at Madison Square Garden, or any show, any where, any time. Now is the time to get a line on your show birds. Our offering in

Red Sussex

Young stock sired by imported males—America's best—"Red Prince," "Red Champion," "Daisy King," "Palace Boy," etc. Also acclimated yearlings.

Speckled Sussex

Sired by "Palace Rainbow" and "Palace Champion," the greatest males ever imported; also high class imported exhibition stock.

The demand for Red and Speckled Sussex will exceed the supply. Reserve your show birds and breeders now. Write for reduced prices on Red Sussex eggs. Satisfaction guaranteed.

RED SUSSEX FARMS - - MARYSVILLE, MICH.

MYRON W. MILLS, Prop. H. H. COBURN, Mgr.

ciation to be able to advertise to the world that their members won at this show more prizes than any other association. It is open to the world and costs absolutely nothing, as the same cash specials will be offered on all varieties as heretofore.

The Great Mid-West Poultry and Pet Stock Association have introduced more good and novel features in Poultry Show management than all the other Poultry Shows in the country combined. We feel that it is up to us to encourage local shows and we can think of no better plan than to offer these specials.

Cape May County Poultry Association.

The Cape May County Poultry Association was recently organized at Rio Grande, N. J., with the following officers:

President—John N. Reeve, of the Wildwood Heights Poultry Farm, city office 129 S. 5th St., Philadelphia, Pa.

Vice-President—Trueman Hickman, Green Creek, N. J.

Secretary—Walter P. Taylor, Cold Springs, N. J.

Treasurer—Mrs. Edward P. Phillips, Broadway, West Cape May, N. J.

Cape May County is the last county in the State to organize a Poultry Association, and the objects are to advance the interest of the poultry raising throughout the country, which is one of the best sections of the State for poultry, and the spring and summer markets at the seashore resorts of Anglesea, Wildwood, Wildwood Crest, Cape May City, Stone Harbor, Avalon, Sea Isle City and Ocean City are excellent, prices obtained are considerably above the prices of New York and Philadelphia markets, at that season of the year on account of the large number of people residing at the above seashore resorts together with the great influx of summer visitors.

Annual Judging Course to Be Held at Springfield.

The Hewes-Pierce School of Poultry Judges will hold their annual meeting at Springfield, Ill., in connection with the Illinois State Fair, opening September 21st. Only eight students can be accommodated and those desiring instruction should write at once to Theo. Hewes, Indianapolis, Ind., for information and terms. It is well to note that many of the headline judges of today received their first instruction in this school. A tent has been provided for the exclusive use of the students, and the work is both instructive and interesting.

The Cumberland White-Egg Runner Club.

Third annual meeting will be held September 1, 1914, at the Poultry Building, State Fair, Syracuse, N. Y. The first session will be held at 11 a. m. and another in the afternoon. The club has had a very successful year and done more to advance the cause of the true Runner Duck than all other agencies combined. A good attendance is requested and an interesting meeting promised. Any new members may join and will be welcomed. Initiation and first year's dues, $2.00.

C. S. Valentine, President,
Ridgewood, N. J.

The Greater Buffalo Poultry Show to be held Thanksgiving week, November 23-28, will be one of the prominent events to mark the opening of the poultry show season for 1914-15. The exhibition will again be held in the spacious Broadway Auditorium that was pronounced by prominent poultrymen attending last year's successful show to be one of the best adapted and largest buildings in the country in which poultry shows are held. The list of judges includes some of the best known and most able men in the country as follows: Geo. H. Burgott, Chas. D. Cleveland, J. H. Drevenstedt, W. C. Ellison, Jas. Glasgow, F. D. Mauder, Chas. McClave, Wm. McNeil, Richard Oke, A. O. Schilling, H. P. Schwab, Jas. Tucker, Geo. W. Webb. Others are being corresponded with and additions will be announced later. Information will be furnished on application to the secretary, Wm. C. Denny, Buffalo, N. Y.

The Trenton Fair Poultry Show, this year to be held September 28, 29, 30-October 1-2, will be under entirely new management, Harvey E. Rogers, president of the Mercer County (N. J.) Poultry Association, having accepted the management. Mr. Rogers has had considerable show experience, being secretary of the 1911 and 1912 Trenton Winter Shows, held by the Trenton Poultry and Pigeon Association. The Trenton Fair offers a very attractive list of cash specials in addition to the regular premiums, which are very liberal. An entire new list of judges will officiate. Messrs. Schwab, Punderford, Wolsieffer and Minich will place the awards. Prize money will be paid last day of show. Send for premium list to Harvey E. Rogers, Superintendent, 1520 East Clinton Ave., Trenton, N. J.

The Tri-State Poultry Association, of Memphis, Tenn., has increased its premium list this year by several hundred dollars and many silver cups. This show has now a more attractive premium list than any of the southern fairs and as good as the best of the winter shows. Reserve a premium list now by sending your name now to Martin F. Schultes, Secretary, "Albashire," Bartlett, Tenn.

The Silver Wyandotte Club catalogue for 1914, which contains many valuable articles and illustrations, is now ready. The same will be sent free to all those interested. Address H. J. Goette, Secretary-Treasurer, St. Paul, Minn.

The Second Annual Show of the Pope County Poultry Association will be held at Golconda, Ill., November 16, 17 and 18, 1914, with D. E. Hale as judge. The first show was held last December, with J. A. Leland as judge and was gotten up in just ten days' time and no attempt was made to get outsiders to show. The result was over two hundred birds and some twenty-five varieties of poultry shown. One firm in Golconda paid out over $125,000 for poultry last year. More improvement has been made this year in the grade of poultry than in many years past. This show will be a good place to show and make sales as people are taking hold of pure-bred poultry. Write to Theo. S. McCoy, Secretary, Golconda, Ill., for a copy of the premium list.

The Illinois State Poultry Association will hold its annual show January 4-9, 1914. The judges will be A. F. Kummer, C. H. Rhodes, George A. Heyl and J. C. Johnston. Exhibitors cannot afford to pass up the Illinois State Poultry Show. It is a progressive show and always has something new to offer its exhibitors. Send in your name at once so you will be sure to receive the annual catalog. Address Theo. S. McCoy, secretary, Golconda, Ill.

The Invaluable Guide to Poultry Profits.

A catalogue masterpiece is the one to be issued this season by the Hall Mammoth Incubator Company, of 132 Southern Ave., Little Falls, N. Y., of which we have just received advance proofs.

It has required months of preparation and represents the work and experience of more than a lifetime.

The Hall Mammoth Incubator is the pioneer in its field and is known as the original and standard. The slogan "There Is Safety in Hall Equipments" was just as forceful nearly 40 years ago as it is today. The principles which were such a pronounced success way back in 1876 are still incorporated, though of course the Hall has kept ahead in the matter of additions to these, which refinements increase the ease of operation and assure certainty of control.

Incubators, as a rule, are sold on the bald claim that they will hatch eggs, which claims are backed by more or less abundant testimonials. The Hall catalogue goes a step farther. It gives the scientific reasons why it hatches stronger chicks or ducks and why it hatches more of them. It will be noticed that the testimonials, or rather records of results, in the Hall catalogue are from sources well known for their unquestioned reliability, and their strength and value is due to their giving facts and figures and not mere statements of general satisfaction. The big and successful poultrymen of this country and also in many foreign lands use Hall Equipments.

This catalogue is a text book on incubation, easy to read and understand, yet written largely from the viewpoint of the scientist who wants reasons to support every claim and the hard-headed, practical poultrymen who consider every detail from the dollars and cents standpoint.

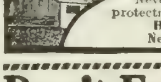
One of the most interesting features of this book is the illustrations and explanations of the Hall Positive Temperature Control. The temperature in each egg compartment is regulated by utilizing the never-changing law of nature in a manner that is the extreme of simplicity. The heating medium—hot water—regulates its own temperature by the infallible law of expansion and contraction of its own body. It must expand, it must contract, therefore by the Hall System it cannot fail in the performance of its important duty. This all-powerful control, together with the successful solving of problems of moisture and ventilation, have made the Hall the incubator the poultryman can rely upon for maximum profits and minimum expenses.

We understand that this catalogue will be sent to those who ask for it and state what size incubator they are interested in. The smallest Hall is 1,200 eggs capacity, and the maximum is 20,100 eggs, though many Hall customers have equipments ranging from 30,000 to 50,000 eggs and one has 100,000-egg capacity and is still increasing. It is not at all unusual for a small group of Hall customers to have a total incubator capacity of over a quarter of a million eggs.

Aldrich S. C. Quality White Orpingtons.

Now is the time to order your show birds for the early fairs and shows and we know of no better place to secure them than from Aldrich Poultry Farm, 5077 N. High St., Columbus, Ohio. This firm have over 500 more young birds than they raised last year and they are showing excellent quality. A large number of them will be ready for the early fall fairs to step into the hottest competition and win for you. A great number of these youngsters were bred from first prize cocks and cockerels at the Chicago and Madison Square Garden shows last December and promise to make as good birds as the birds from which they were bred. Aldrich Poultry Farm have enlarged their plant considerably this summer and with the extra stock they will have they expect to be able to supply the great demand which is sure to come on account of the scarcity of early hatched chickens all over the country. They report inquiries coming in rapidly and they have already booked several thousand dollars' worth of birds for the coming season's shows. We would advise our readers in need of birds to win at the early shows to place their orders as soon as possible so as to get the best of selection. All birds sent out by this firm are conditioned and sent ready fit for the show in the best form possible. A large number of cocks and hens will be through the moult in

NEPONSET PAROID ROOFING
was selected by the United States Government experts for use on the Panama Canal work.
F. W. Bird & Son, Est. 1795, 542 Neponset St., E. Walpole, Mass.
New York Chicago Washington Portland, Ore.


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Never needs coating. An excellent fire protection. Write for illustrated Catalogue.
H. W. JOHNS-MANVILLE CO.
New York and every large city

Don't Feed Wet Mash

Green Food, Sprouted Oats, Green Cut-Bone, Table Scraps, etc., without investigating the
Parker Universal Feeder
Greatest advance in feeding devices made in years. Sanitary, Economical, Efficient. Write for illustrated matter. Mf'd by
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17 W. Washington St. SPRINGFIELD, OHIO

LICE?
The lice question is quickly settled if you dust your fowls with
Conkey's Lice Powder
It's safe, quick and sure.
Saves your poultry profits because it
Kills the Lice
Doesn't Harm Chickens
Price 25 cents, 50 cents and $1.00.
For the mites that hide in the cracks by day and prey on chickens at night, spray your poultry house with
Conkey's Lice Liquid
Cleans them out thoroughly Quart 35 cents, half gallon 60 cents, gallon $1.00.
For the deadly head louse use
CONKEY'S HEAD LICE OINTMENT
Effective and doesn't harm chicks. 10 and 25 cents. Money back if these preparations do not satisfy.
The G. E. Conkey Co., Cleveland, Ohio
Ask For Conkey's Free Poultry Book


ample time for the early shows and you can secure your pick by ordering now. Indications point to a greater demand than these people can fill and we would therefore advise early selection. During the past week they have booked orders for several birds at $100 each and over, including one hen at $250, thus showing that the interest in White Orpingtons is as great as ever, and people desire to purchase the best birds that money can obtain. One order was received by Aldrich Poultry Farm for several hundred dollars' worth of birds to go to Mexico City as soon as the railroads are in condition to carry them safely through. If you need show stock don't delay, but place your order today. It means the best that money can buy. Please mention American Poultry Journal when writing.

Buff Orpingtons of Quality.

Old Forge Poultry Farm, Spring Grove, Pa., has had more than usual success in hatching out Buff Orpingtons this season and the youngsters in all stages of development surely are a grand sight to see. Mr. P. H. Glatfelter, proprietor of this farm, is a wide-awake and broad-minded fancier and is wonderfully enthusiastic over the buffs. He stands ready at all times to do his best in the interest of his favorites. The plant is beautifully situated and forms a part of an estate, the glory and admiration of everyone who can appreciate beauty in architecture. A pen of S. C. Buff Orpingtons belonging to Old Forge Poultry Farm is entered in the Third North American Egg-Laying Contest at Thorndale, Pa., and have been the leaders of the division from the start. They have won the prize for leading their class for the first half year. One of the individuals holds a place among the high-scoring birds. Mr. Glatfelter has refused several high offers for this pen. They certainly are making a great record and we believe that they will keep up the good work. This farm breeds for eggs as well as for the show room. All of the birds that this concern has entered in the contest have a good chance to reach the 200 mark. If you are in need of anything in the line of Buff Orpingtons do not fail to communicate with Old Forge Poultry Farm, Spring Grove, Pa. They guarantee to please or refund your money.

Royal Reds.

Royal Red Rhode Island Reds are reported to be better this year than ever before. F. E. Harrison, originator and breeder of the Royal Red strain of Single Comb Rhode Island Reds, is very enthusiastic over his prospects for quality Reds this year.

Mr. Harrison has three thousand promising birds at this time, July 15, in all ages, from one week up to birds weighing four pounds, and they give every promise of being the best flock he has produced in his twelve years of experience.

These birds are given the exclusive run of eighty acres of farm land, on which over one hundred colony houses are scattered to take care of them.

He has just executed a new sales list, in which he is offering birds at greatly reduced prices to take care of these three thousand, for when you stop to consider it is absolutely necessary to give exhibition specimens plenty of room, and it therefore takes an enormous amount of buildings to properly accommodate a large flock like this.

For the next two months Mr. Harrison is cutting prices of his breeders in two, and is offering several hundred cocks and hens at prices that will pay prospective buyers to investigate.

Mr. Harrison writes that in his opinion nobody in America is in better position to furnish winners for the early fall fairs or shows than he.

Write for his free catalogue to F. E. Harrison, Box 30, Menominee, Michigan.

The Sandy Lick Orpington Sale.

The Sandy Lick Poultry Farm, consisting of a fifteen thousand dollar plant, have decided to change the plans of running this farm from the fancy to the mercantile end in view, having taken in several farms to help produce the birds and eggs, which will be known in 1915 as The Sandy Lick Co-operative Poultry Farm.

They have decided to sell their Buff and Black Orpingtons at $10.00, $13.00 and $15.00 per pen of four females and one male, all of their special mating. White, Silver and Golden Laced Wyandottes, prices the same. Leghorns, D. W. Young Strain, they have one and two year old cocks and lots of early cockerels for early shows, prices ranging from $2.00 to $5.00 each.

They have spent hundreds of dollars buying imported birds and have traveled over a dozen States and Canada to get the best they could for their yards. This is your opportunity to buy winners for a small sum, add new blood to your stock and start anew. They will sell birds single or in large numbers. Kindly make inquiry, as stock must go. Read over their winnings and be convinced of the quality of their birds, as this is not an annual clearance sale to rid the farm of undesirables. Address L. O. Kettering, 966 Liberty Ave., Pittsburgh, Pa.

Show Birds of Quality.

Owen Farms, 107 William St., Vineyard Haven, Mass., is now in phenomenal shape to furnish birds in top show form for every week of the entire show season, beginning with the earliest fall fair. Their Buff Orpingtons, White Orpingtons, White Plymouth Rocks, White Wyandottes and S. C. Rhode Island Reds are ready to win any fall fair in America. Any of our readers needing a cock, hen, cockerel, pullet, old or young pen to complete their strings will do well to write Owen Farms just what show you wish to win and they will be pleased to quote you prices on birds by return mail. Owen Farms' customers have won thousands of First Prizes all over the United States and Canada. This is the result of this firm's readiness in furnishing show birds of quality when they were needed. Mr. Maurice F. Delano, the proprietor of this farm, writes us that he also has some strong, husky utility birds of this year's hatch which they are offering at exceedingly low prices in order to reduce their flocks before they go into winter quarters. Look up their advertisement on another page of this issue and see the excellent bargains that can be had right now. Satisfied customers is Owen Farms' motto. Write them, mentioning A. P. J.

Make Your Show Attractive.

The poultry show season is rapidly advancing and the prospects are for more and better shows this season than ever before. The officers of the various associations are already busy with plans for making their show more attractive this year than last, and a little better than the other fellow's.

Now what makes a show attractive is its equipment, and the first thing the visitor notices on entering is the cooping—poor cooping will make a good show bad.

Another thing, birds do not show their good points in a poorly constructed coop, and should have the advantage of attractive housing.

Elsewhere in this issue you will find an advertisement showing a cut of Moe's New Collapsible Steel Wire Exhibition Coops, which were especially designed for training and exhibition purposes. They are not only ornamental but sanitary and serviceable as well. They are made of heavy galvanized steel wire, electrically welded and will not rust from dampness or exposure to the weather. There are no clips or projecting bolts to break the feathers of the fowl, and each coop contains two attachments for feeding and drinking cups.

Poultry association officials would do well to write Otis & Moe Manufacturing Co., Otis Bldg., Chicago, for full information regarding these new coops which can be supplied at small cost and will do more to add to the attractive features of your show than anything else.

Regal Strain White Wyandottes.

John S. Martin, of Port Dover, Ont., Canada, advises us that he has over one thousand January and February cockerels and pullets coming along in fine shape for the early shows. Quality is unusually good and they seem to run very even this season. Last season Mr. Martin furnished winners for over twenty State Fairs and all his customers were more than satisfied. If you are in need of some good show birds here is the place to order them. He also has two thousand later hatched chicks, which means three thousand young birds for his trade. Owing to the fact that Mr. Martin could not grow enough chicks on his old plant to supply the demand during the last two years he has purchased an adjoining farm which now allows him to increase the capacity of his plant. He is doubling the size of his brooder house and erecting some more long houses, which when completed will give him a modern and up-to-date plant in every way. This will allow Mr. Martin to raise enough chicks to supply all of our readers with winning show birds. Write to him if in need of some excellent birds. He guarantees to satisfy or refund your money.

Spraying.

Proper spraying proves profitable in two ways: First, it prevents the ruination of the crops by destructive insects or fungus and growths, or both; second, it actually adds to both the quality and the quantity of the crops.

Perhaps the thing most essential to successful spraying is that the spraying be done at the proper time—not too early or too late. Many agriculturists find the "Spraying Calendars" issued by several well-known concerns exceedingly helpful in this regard. One of the most comprehensive calendars of this nature, we are informed, is that one published by the E. C. Brown Co., of Rochester, N. Y., who have made the subject of sprayers and spraying their sole study for over 15 years. We understand that this company will send complimentary copies of this calendar to all readers who apply for same.

Pape's S. C. Black Minorcas.

We desire to call our readers' attention to the advertisement of Chas. Pape, Fort Wayne, Ind., in this issue. He is offering some very choice early 1914 hatched cockerels and pullets for sale for show purposes. These birds were hatched during the months of January and February and are quite well matured at this time and certainly will be in excellent show shape any time during the months of August and September. A number of yearling hens in laying condition can also be had at reasonable prices. Mr. Pape's S. C. Black Minorcas are great winter layers. They can't be beat as a table fowl, their meat is juicy and well flavored. Our readers in need of some of this breed of poultry will do well to write Mr. Pape for his catalog and special price list.

Notwithstanding the fact that a great many poultrymen found the Spring of 1914 a poor hatching season, Sheffield Farm, Glendale, Ohio, reports unusual success and are offering five hundred February and March hatched pullets and cockerels, all of them prospective winners of the blue. The annual winnings of the "Premier" Partridge Wyandottes are a notable event of the show season, and while Mr. Hark modestly refrains from making any predictions, he hopes to repeat his victories of recent years.

Broken Cones and Crackers

Just the Feed Your Poultry Needs

The great secret of poultry feeding is "variety." It is the nature of fowls to search over a wide range for various foods, and where this is possible, poultrymen obtain the best results. In Broken Ice Cream Cones and crackers, poultrymen will find "just the thing" to make variety and add a pleasing taste to the fowls' food.
SEND FOR SAMPLES AND PRICES

JOSEPH F. HERRMANN & CO., 1318 Fisher Bldg., CHICAGO, ILL.



PARKS' BRED TO LAY BARRED PLYMOUTH ROCKS

SPECIAL PRICES ON EGGS AND STOCK FOR AUGUST DELIVERY

Circular free. Large 40-pp. catalog, a dime.

J. W. PARKS Box J ALTOONA, PA.



Spiralets Celluloid LEG BANDS

10 colors, all sizes. Doz.-18c, 50-50c, 100-90c. Lowest wholesale prices for dealers. M. Bayerdorffer, Oakwood Hts., N. Y.

Houdans

We are making attractive prices on stock during the summer months. Let us name you prices.

Jas. Abernethy, High St., West Pembroke, Me.

CLASSIFIED ADS

UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and **five cents per word each insertion for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under **classified headings.** No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention **A. P. J. All copy for Classified Ads must reach us by the 17th of month preceding date of issue.**

ANCONAS.

ANCONA PULLETS—From stock bred and hatched by Sheppard. April, May or June hatched. Delivery in October and November. Fitzgerrell Ancona Farm, Milford, Mich. 8-10

FOR SALE—300 grand, large, dark yearling Single Comb Ancona breeding birds. In excellent condition. Ten females mated to one male not akin for $15.00. Geo. C. Schwegman, Richmond, Indiana. 8-10

MEYER ANCONA YARDS, Canton, Ohio. Home of the best in breeding and laying stock. Won wherever exhibited. Choice cockerels at utility prices; eggs, chicks, catalog. 2-14-tf

GRIMM'S CELEBRATED Anconas, winners of first prizes at leading shows, including the recent ones at Kansas City and St. Louis. Quality high. Prices low. Booklet free. Eggs, $1.50 to $5.00 per 15. Every egg guaranteed fertile. Fred Grimm, Webster Groves, Mo. 1-14-1yr

SHEPPARD'S FAMOUS ANCONAS — THE world's best. See display advertisement first page. Cecil Sheppard, Berea, Ohio. 11-13-1yr

BANTAMS.

EXHIBITION JAPANESE BANTAMS. Black Tailed, White, Black, Golden Sebright, Black Rose Comb, Booted and Polish. Young and old for sale. Hez Kinter, Dillsburg, Pa. 8-10

WHITE COCHIN BANTAMS. Scoring 96¼. Winners Chicago, Pittsburgh, Philadelphia, Indianapolis, Buffalo, St. Louis, Kansas City, Cleveland, etc. Satisfaction guaranteed. Catalogue. I. R. Mankel, Upper Sandusky, Ohio. 8-12

BANTAMS. SEBRIGHTS, COCHINS, JAPS. $1.50 each. Robert V. Hale, Shelbyville, Indiana. 7-9

WORLD'S FINEST BANTAMS—37 varieties. Stock, eggs. Catalogue. F. C. Wilbert, Grand Rapids, Mich. 6-8

SEND FOR BOOKLET—Largest breeders, leading varieties, Game and Cochin Bantams. Madison Square Garden Winners shipped on approval. Mohawk Bantam Yards, Box E, Schenectady, N. Y. 6-8

LIGHT BRAHMA BANTAMS—Finest flock in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C. Dougalston, Long Island. 1-14-1yr

BANTAM SPECIALIST. Buff, Black, Partridge Cochins, Light and Dark Brahmas. I ship on approval. Circular free. Geo. C. Salmon, Port Dickinson, N. Y. 1-14-tf

BANTAMS bring profit and pleasure. Our monthly tells how and why. Send 50c for a year's subscription or ten cents for a three months' trial. American Bantam Fancier, 933 Advertising Bldg., Chicago. 1-14-tf

BUTTERCUPS.

SICILIAN BUTTERCUPS of quality, exceptional bargains in eggs and breeding stock now. Rood, Buttercup Specialist, Garrettsville, O. 8-11

BUTTERCUPS—good stock—young and grown. Special prices. Nina Hoswell, Ottumwa, Iowa. 8-10

BUTTERCUPS. UTILITY and show birds for sale. Prices reasonable. Fred Coulson, Malta, Ohio. 7-9

BUTTERCUPS. From Madison Square winners. Beautiful birds. Tamest of breeds. Larger than Leghorns. Greatest layers. Large, white eggs at reduced prices for remainder of season. Chicks, hardy, easy to raise, mature early, will lay in Winter. Stock for sale in the Fall. W. H. Hopple, Tiffin, O. 7-8

BUCKEYES.

BUCKEYE STOCK AND EGGS from blue ribbon winners. Catalogue free. Lindley Place, Meshoppen, Pa. 5-13-tf

CAMPINES.

IMPROVED GOLDEN and Silver Campines, imported yearlings. Young stock for sale. Farm raised. Prices reasonable. Klager's Poultry Yards, Hespeler, Ont. 8-10

WHITE CAMPINES for sale cheap. Henry Heitkamp, New Bremen, O. 8

SILVER CAMPINE COCKERELS, two dollars each (April hatched). From Kennedy stock. H. M. Powers, La Grange, Ohio. 8

M. BAYERDORFFER, Oakwood Heights, N. Y. Silver Campines. Bargains yearling hens and cocks. Cockerels from special white hackle matings, reasonable. 8-10

FOR SALE—Mothers of first coop and first pullet Silver Campines, Columbus, 1914, and 25 Silver Campine yearling hens, imported and Kennedy, Jacobus and Manhattan Farm's first prize stock. Many show birds among them, also limited number of young Goldens later. R. O. Woods, Lima, Ohio. 8-10

JACOBUS GOLDEN AND SILVER Campine eggs now half price. Original introducer, won more firsts and second prizes on Campines at Madison Square Garden and Boston than all competitors combined. M. R. Jacobus, Box 276-J, Ridgefield, N. J. 8

GOLDEN AND SILVER CAMPINES. Have broken up breeding pens. Offer at low price limited number of yearling hens. Manhattan Farms, Geo. E. Noeth, Owner, Brighton, N. Y. 7-8

SILVER CAMPINES. Young and old stock for sale. Prices reasonable. Fred D. Coulson, Malta, Ohio. 7-9

TWELVE WEEKS OLD Silver Campines, hatched from pen every fowl in which has been a winner at last two Chicago Coliseum shows. Three to ten dollars per trio. Satisfaction guaranteed. Just-Plucked Egg Company, Lloyd Brackett, Mgr., Hopkins, Mich. 7-9

IMPROVED SILVER CAMPINES. Stock and eggs. Rev. W. Berberich, Groton, N. Y. 6-8

CHAMPION IMPROVED SILVER and Golden Campines. Kennedy's best pens. Eggs half price. Thos. Brogden, Rush Lake, Wis. 6-8

REDUCED HALF PRICE—Improved Campine eggs. Both Silver and Golden—winners wherever shown. None better. Send for free circular and mating list, before eggs are all booked. The Martling Hennery, P. O. Box 186 N, Ridgefield, N. J. 2-14-1yr

CAMPINES LAYERS EXTRAORDINARY—Why should you consider them? A few more clear-backed Golden males, exhibition stock, breeders, eggs. Mating list. Chippewa Poultry Yards, Box 3, Seville, O. 2-14-tf

GARRELL'S PEERLESS CAMPINES have proven their superiority by their winnings at the recent shows at Kansas City, Springfield and St. Louis. If you want high class stock or eggs at modest prices, send for free booklet. Julius Garrell, Webster Groves, Mo. 1-14-1yr

CORNISH.

CHAMPION DARK CORNISH. Prize stock, half price. Morris & Rearick, Eaton, Ind. 8-11

ENGLISH RED CAPS.

ENGLISH RED CAPS, imported and domestic, twelfth year. Cocks, $5.00; hens, $2.50; cockerels, $3.00; pullets, $3.00. R. P. Weidenfeller, Mineral Point, Wisconsin. 8-10

HAMBURGS.

SILVER SPANGLED AND BLACK HAMBURGS, "Black Diamond" strain. Highest honors at Madison Square and other leading shows. A trio we sold in 1913 won 1st cock, 2nd hen at the Palace show and 1st cock, 1st and 2nd hens at Madison Square. Eggs, $3.00, $5.00 and $10.00. Will L. Clark, Pres. Am. S. S. Hamburg Club, Sullivan, O. 2-tf

HOUDANS.

HOUDANS. Proprietor all Peterson's. Also book, 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 11-13-tf

HOUDANS. EGGS AND STOCK. Boston winners. Stamp. Reply. S. L. Morse, Harrison, Me. 5-13-tf

JAVAS.

WRITE S. W. MORTON, Secretary American Java Association, Albany, N. Y., for list of leading breeders. 3-8

S. C. WHITE LEGHORNS.

300 ONE-YEAR-OLD and 200 two-year-old S. C. W. Leghorn hens, daughters and granddaughters of a $125 male bird and granddaughters and great-granddaughters of a hen with a 257 official egg record. Prices, $1.50 and $2.00. Five hundred dandy cockerels, $1 to $5. Also pullets and cock birds. A. R. Graves, Whitesville, N. Y. 8-10

S. C. W. LEGHORNS. Yearling hens at $10.00 per dozen; cockerels from pens headed by Indianapolis first prize winner, $1.00 each. Illustrated catalogue free. W. M. Harrod, Flat Rock, Ind. 8-10

SINGLE COMB White Leghorns. Several 10-week cockerels, grandsons of Young's Edward 44th, great bargains at $2.00 each. Pullets same. Meadow Farm, Coulterville, Ill. 8

250 S. C. WHITE LEGHORN yearling hens, $1.00 each. Bred from hens laying 193 eggs in one year. C. P. Shirey, New Park, Pa. 8-9

PULLETS FOR SALE—12 weeks old Single Comb White Leghorns. Also 500 yearling hens. Choice stock of the best laying strains. Satisfaction guaranteed. Harry Palmer, Middleport, N. Y. 8-9

HEAVY LAYING, pure bred White Leghorn hens for breeding, $10.00; $12.00 dozen. Selected cockerels. "Peachview," Grand Junction, Mich. 8-10

SINGLE COMB White Leghorns, 10 weeks old pullets, 60c each. Cyphers 400-egg incubator, $20.00. A. A. Pallady, Stamford, N. Y. 8

WYCKOFF-BLANCHARD S. C. W. Leghorns. Nearly 25 years with these strains exclusively. Can furnish any number choice yearling hens or large early pullets or males. Have furnished best plants in this country with foundation stock. Hundreds of letters from pleased customers. I am sure to get your order if you write to me. Circulars. C. N. Reynolds, Canton, Pa. 7-9

S. C. WHITE LEGHORNS—One thousand April and May hatched pullets, two thousand yearling hens at prices that will move them. K. I. Miller, Box T, Lancaster, Mo. 7-9

S. C. WHITE LEGHORNS. Young's or Wyckoff's. Great laying exhibition stock at low prices. J. A. Shineman, Canajoharie, N. Y. 7-9

BLANCHARD WYCKOFF SINGLE Comb White Leghorns. 100 eggs, $3.50; hens, $1.00 this fall. Catalogue free. W. Albers, Lombard, Ill. 6-8

COMBINED HEAVY LAYING and exhibition strain of Single Comb White Leghorns. Chicks, $8.00 per 100; pullets, cockerels and hens, $1.00 each; cocks, $2.50. J. Guy Lesher, Northumberland, Pa. 6-8

"BARRON'S" SINGLE COMB White Leghorns. Eggs from pure bred stock, five dollars for fifteen eggs. Stock for sale this fall. Three hundred Young-Wyckoff yearling hens for sale. Koontz Poultry Farm, New Martinsville, West Virginia. 5-8

$1.00 EACH—SINGLE COMB WHITE Leghorns, pullets and cockerels, yearlings and cocks. Shipped anywhere. As many as desired. Write for catalogue. Woodworth Farm, Wilton, Conn. 8-tf

JERSEY STRAIN S. C. W. Leghorns. Grand yearling hens, selected for size, shape and great laying qualities, at $1.00 each. Send for catalog. North Jersey Poultry Farm, Ramsey, N. J. 7-9

S. C. WHITE LEGHORNS—Choice yearling hens for breeding. Pure direct Corning's strain; pure direct Cypher's of the first quality. Price reasonable. Saint Johnsville Poultry Farm, St. Johnsville, N. Y. 7-8

S. C. BROWN LEGHORNS.

FOR SALE—Yearling hens direct from our 211-egg Single Comb Brown Leghorns. Catalog free. Write! K. Welday, Seville, Ohio. 8-10

ATTENTION! $10.00 1 doz. hens and 1 cock. S. C. Brown Leghorns. Bargain sale. Mrs. John Morse, Route 4, Avon, Ill. 7-9

R. C. BROWN LEGHORNS.

ROSE COMB Brown Leghorns from Roanoke, Norfolk and Washington winners. Cockerels and pullets, $1.00 each. J. C. Phillips, Blackstone, Virginia. 8-10

BUFF LEGHORNS.

FOR SALE—300 grand, large, golden Single Comb Buff Leghorn breeding birds. In fine condition. Ten females, mated to one male not akin, for $15.00. Geo. C. Schwegman, Richmond, Indiana. 8-10

McGRAW'S ROSE COMB Buff Leghorns, winners at Madison Square Garden and Pittsburgh. Catalogue of stock. Percy E. McGraw, Altoona, Pa. 8-10

SINGLE COMB BUFF LEGHORN specials; 200 males and females, including 1914 breeders and winners at New York, Philadelphia, Allentown and Syracuse, offered at season's lowest prices. Every bird shipped subject to approval. Wm. Crevoiserat, 24 Mill Road, Freeport, N. Y. 6-8

ROSE COMB BUFF LEGHORNS. Catalogue. Howard J. Fisk, Box A, Falconer, N. Y. 3-8

WHITE ORPINGTONS.

LOWER THE COST OF LIVING. Buy Crystal White Orpingtons. Breeders and Young stock reasonable. Alfred Merten, Milwaukee, Wis. 7-9

LOOK! POUND BUFF, White, Jubilee Orpington cockerels, $1.00 each. Eggs save incubator lots half price. My big book, colored plate and Orpington magazine, 1 year, 10c. Cheviot Farms, R. 2, Cincinnati, O. 5-8

BUFF ORPINGTONS.

"GOLDEN ROD" BUFF ORPINGTONS. Breeding stock scoring 90 to 94¾ one half price. Also young stock. Richard Seward, Lewistown, Ill. 2-11

BLUE ORPINGTONS.

TRUE BLUE ORPINGTONS. Sales now. Stamp respected. Occoneechee Farm, Hillsboro, N. C. 8

BEST ROYAL BLUE ORPINGTONS. Stock. Eggs. Circular. Joe Crocker, Hillsboro, N. Car. 7-9

BARRED PLYMOUTH ROCKS.

"RINGLET" AND "ROYAL BLUE" strains, bred from trapnested, heavy egg strain, for quick sale. A. G. Hertzler, Lancaster, Pa. 8

WHITE PLYMOUTH ROCKS.

200 FISHEL WHITE ROCKS—world's best strain; great layers; for sale cheap. Eggs, $4 per 100. Henry Heitkamp, New Bremen, Ohio. 8

HOCH & FREDERICK, Box O, Chambersburg, Pa. White Rocks. Stock for every purpose. Eggs for hatching. Season's winners nine shows. 3-8

PARTRIDGE PLYMOUTH ROCKS.

PARTRIDGE ROCK breeders, $1 each. Cyrus Pattee, South Bend, Indiana. 8

PARTRIDGE PLYMOUTH ROCKS—selling out; 300 head, including 1914 Illinois State Show winners. $1 to $5 each. John Hacker, Box C, Marissa, Ill. 8-10

PARTRIDGE PLYMOUTH ROCKS of the high est quality. Can furnish show birds and good breeders at reasonable prices. True Rock type and correct markings. Eggs in season, $3.00 per 15, $5.00 per 30. Will L. Clark, Sullivan, Ohio. 7-13-tf

RHODE ISLAND REDS.

RHODE ISLAND RED trapnested yearling hens, $1.00 up. William Jacobs, Salem, Ohio. 8

FOR SALE—ROSE COMB Rhode Island Red pullets, hen hatched and brooded, from selected trap nested layers. Wm. Van Drunen, Jr., South Holland, Ill. 6-8

RHODE ISLAND WHITES.

HEADQUARTERS FOR RHODE ISLAND Whites. Some choice one and two-year-old hens for sale now. Free catalogue. C. A. Foster, Colonial Poultry Yards, Akron, Ohio. 7-9

RED SUSSEX.

RED SUSSEX FARM'S Red and Speckled Sussex Champion strain, winners at Crystal Palace and dairy shows; can win for you in any show room. Reserve your show birds and breeders now. See large ad. Red Sussex Farms, Marysville, Mich. 6-14-tf

BUFF WYANDOTTES.

WANTED—BUFF WYANDOTTE breeders to send their addresses to American Buff Wyandotte Club, Amityville, N. Y. 3-11

SEVERAL BREEDS.

S. C. WHITE AND BROWN Leghorns, Barred and White Rocks, White Wyandottes, S. C. Buff Orpingtons, S. C. R. I. Reds. Eggs and baby chicks. Leading strains. Satisfaction guaranteed. Occoneechee Farm, Hillsboro, N. C. 6-8

BABY CHICKS.

WE CHARGE NO FEE for Booking Orders. Chicks hatched from our Trap Nested Yearling Breeders for immediate or future delivery. Eggs for Hatching in any Quantity. We guarantee safe arrival and satisfaction. Crystal Hatcheries, Peabody Farms, Hinsdale, Illinois. 2-14-tf

INDIAN RUNNER DUCKS.

40 WHITE RUNNERS, Fishel strain direct, for sale cheap. Henry Heitkamp, New Bremen, Ohio. 8

ENGLISH PENCILED RUNNER ducks. Eggs, $2.00 for 12; $4.00 for 30. Satisfaction guaranteed. Occoneechee Farm, Hillsboro, N. C. 6-8

COOK'S FAWN INDIAN RUNNERS—America's largest, finest flock. Stock reasonable. Eggs, 12, $2.00; 24, $3.75; 50, $6.50; 100, $12.00; 1000, $100. Booklet for stamp. Irving E. Cook, Munnsville, N. Y. 3-8

ORNAMENTAL FOWLS.

PHEASANTS, SWANS, peafowls, squirrels, fifty varieties ornamental animals, birds, pet stock for sale. Horne's Zoological Arena Co., Kansas City, Mo. 8

DUCKS.

HERE IS YOUR CHANCE. 30 trios of Buff Orpington ducks from white egg layers and prize winning strain, $7.50 per trio. Eggs, $1.50 and $3.00 per 13, from excellent matings. Send for our new free illustrated B. O. D. book. Chas. Frank, Box 486, Memphis, Tenn. 6-8

TURKEYS.

AMERICA'S LEADING WINNERS in Giant Bronze Turkeys and Partridge Plymouth Rocks. See our adv. on page 1055. 2-tf

GEESE.

FOR SALE—Wild Canadian geese, mated pairs. Address James F. Reardon, the Park Bank, St. Joseph, Mo. 6-8

PHEASANTS.

PHEASANT EGGS FOR HATCHING, most all varieties. Ring Necks, $1.75 setting; $14.50 per 100. Exchanges made. U. Pheasantry, Poughkeepsie, N. Y. 6-8

FOR SALE—Eggs from Ringneck Golden and Silver pheasants. Riverview Pheasantry, Tekonsha, Mich. 3-8

PIGEONS.

"PIGEONS"—the finest pigeon magazine, $1.00 a year, or send 25 cents for four months' trial. Pigeons Magazine, 953 Advertising Bldg., Chicago. 5-14-tf

I OFFER GUARANTEED mated Homers in any quantity at $1.00 pair and challenge squab companies or dealers to produce better stock at twice this price. Beautiful White Homers, $1.50 pair. Get my prices on Runts, Carneaux, Maltese Hens and save dollars. Charles A. Gilbert, 346 North American Street, Philadelphia, Pa. 7

WANTED—5,000 COMMON or Homer Pigeons. Pay at least 25c pair. Poultry wanted. D. Gilbert, 1128 Palmer Street, Philadelphia, Pa. 7

BELGIAN HARES.

HELP the U. S. Government solve the meat problem. Raise your own meat. Will sell you a pair of Rufus Red or White hares, 2 months old, for $1.00. Meat more nutritious than chicken. Jos. R. Counihan, Grandview St., Wheeling, W. Va. 3-14-1yr

BELGIANS—FLEMISH Dutch Belts, Lop Ears, Albinos; common rabbits. Belgian Yards, 121 Thompson St., Poughkeepsie, N. Y. 7-8

GUINEA PIGS.

BOOKLET BREEDING GUINEA PIGS, 15c. Warren Fluck, East Greenville, Pa. 4-14-1yr

PRINTING.

QUICK SERVICE, splendid work, low prices on all printing for poultrymen. Fine quality letterheads, envelopes to match; 250 of each, $1.85, postpaid. Samples free. J. L. Fisk Co., Madisonville, Ky. 8

POULTRY PRINTING. Envelopes, Letter Heads, Business Cards, Post Cards, Shipping Labels, Bill Heads, Etc. 1000 of either, $1.65; 500 of either, $1.00; 250, 75c, printed to your order. Fine stock and cuts used and sent prepaid to you. Lowest priced printing establishment in America. Complete line of Samples, Price List and Cut Catalogue of all varieties free. Rennekamp Printing Co., McKees Rocks, Pa. 8

PRINTING FOR POULTRYMEN—125 noteheads and 125 envelopes $1.00 prepaid. Noteheads, envelopes, cards, tags, labels, 100 either 50c, 250 85c, 500 $1.40, 1,000 $2.40 prepaid. Postcards. Circulars, catalogues, letterheads. Finest cuts furnished. Stamp brings samples. Model Printing Company, Manchester, Iowa. 6-8

DOGS.

SCOTCH COLLIE PUPS from registered stock, natural heelers, ratters and hawk chasers, $6.00 each. Meadow Farm, Coulterville, Ill. 8-10

FARMS FOR SALE.

FOR SALE—Desirable poultry farm, 5½ acres, three miles from Hagerstown, Md. Trolley cars pass the door every hour. Seven-room house with bath and furnace. Stable, incubator cellar, laying house, brooder house, pigeon lofts; Newtown incubator, 1200-egg capacity. Write for terms. Hermack Poultry Farm, R. F. D. No. 6, Hagerstown, Md. 8

TEN AND TWENTY-ACRE fruit and poultry farms in the wonderful Bitter Root Valley, Montana. Send for full information. C. W. Longdon, 4501 Calumet Ave., Chicago. 8

FOR SALE—FANCY 10-ACRE FARM HOME, near Chicago; well adapted to chicken, fruit and truck raising; beautiful 8-room house with light, heat and bath; ample barn, garage and chicken houses; buildings nearly new and in fine condition, ready to occupy; location, just outside city limits of Morris, Ill., pop. 6,000, co. seat of Grundy Co., on Rock Island R. R., 60 miles from Chicago; half mile from excellent free high school, churches and three railroads; price less than cost of improvements; terms easy. P. K. Cross, Owner, Morris, Ill. 8-9

POULTRY PLANT, pigeons or chickens, 2 acres suitable for building. Loft 372 ft. long. Granery. Price $3,000. Box 57, Douglassville, Pa. 6-8

MISCELLANEOUS.

NAME-PLACE ON "Egg Dater" for marking eggs, with indelible ink, $3.40; without date, $1.65; rubber type, steel dies, metal badges, stencils. Catalogue 10c. Buckeye Rubber Stamp Works, Dept. Seven, Dayton, Ohio. 7-9

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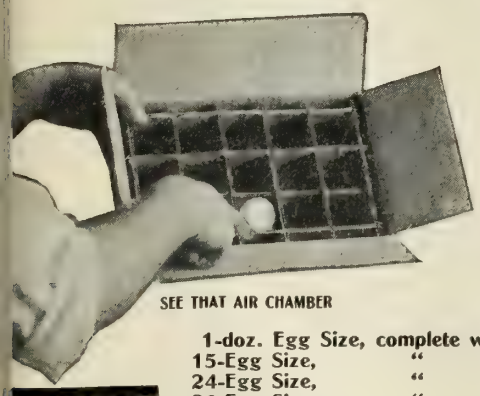
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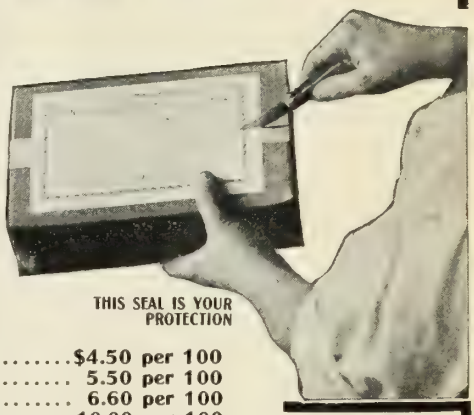
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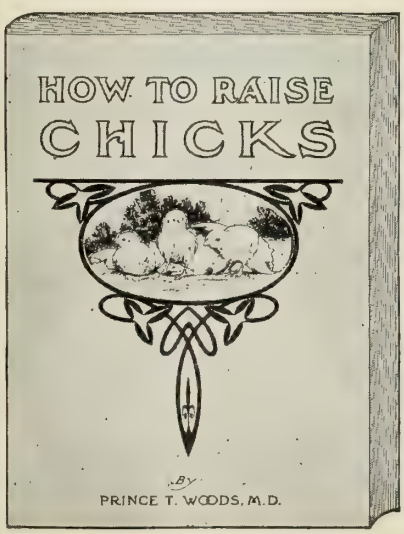
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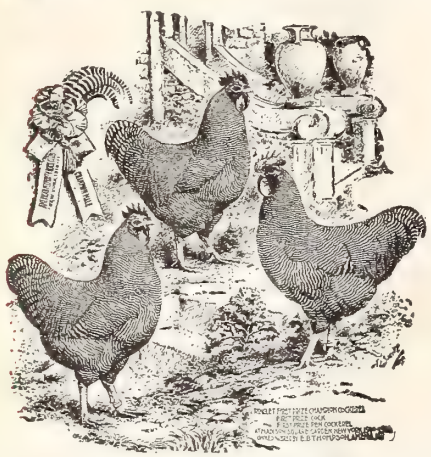
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The amazing record of **1st, 2nd, 3rd, 4th and 5th prizes** on Cockerels—every Regular and Special Prize offered—stands unmatched in the history of Madison Square Garden. It is unequalled. These cockerels and hundreds of their brothers on my farm are beyond comparison—they are the Finest in the World.

If you want to win and breed winners you must have my Imperial "Ringlets."

They are the standard by which all other Barred Rocks are judged. The great twin records at Madison Sq. Garden, N. Y., 1913 and 1914—two years in succession—spell **Imperial "Ringlet" Supremacy.**

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Elegant 70-page catalogue upon request.

EGGS from the finest exhibition matings in the world $10 per setting: four settings, $35; 100 eggs $60.

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L.A.STAHMER

VOL. 45 SEPTEMBER, 1914 NO. 9

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AMERICAN POULTRY JOURNAL



Published Monthly by American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Ill. Jas. W. Bell, President and Editor. 10c a Copy; $1.00 a Year



$3.00 Hen That Lays $21.27 in Eggs in One Year



Does this look good to you?

SHEPPARD'S FAMOUS ANCONAS

Have won first at the world's greatest shows, including London, England, Cleveland and Madison Square Garden, New York. For 7 consecutive years my birds have won three times as many 1st and 2nd prizes at the Nation's greatest shows as all my competitors together, (including the late shows) so have earned the distinction of being

THE WORLD'S BEST

They are famous egg machines and the greatest **Winter layers,** with the wonderful egg record of

256 Average for a Flock

If you want to win at your show or increase egg production, write for catalog. Eggs, Baby Chicks or Stock. Single and Rose Comb.

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THE WORLD'S BEST LAYERS

HOME OF AMERICA'S NOTED LAYERS

I can supply you with hens, pullets, cocks and cockerels from stock that has been systematically bred for egg production in White and Buff Orpingtons, White and Barred Rocks, Rose and Single Comb Reds, White Wyandottes and Single Comb White Leghorns. I can start you in any of these varieties, at prices no higher than others are asking for greatly inferior stock. My catalogue contains information YOU SHOULD KNOW. Write for it. It is free.

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to prove to you that we are in position to give you better value at a lower price than ever before. Our saving in expenses in every way is beyond our expectation. We have reared more birds than ever before. The quality is better and prices lower.

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"made by men who know." Send for prices.

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F. E. HARRISON'S
Aristocratic Royal Red
S. C. R. I. Reds



1st Old Chicago Pen 1913-14, Bred and Owned by F. E. Harrison, Menominee, Mich

were never better, when you stop to consider that in the show season of 1913-14 they were exhibited at four national shows under four different judges, and won twenty-two out of a possible twenty-three firsts, every championship, every color and shape special in the entire four shows. You can then judge the quality I must have to be "better than ever."

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I have the largest farm in America devoted exclusively to the breeding of Single Comb Rhode Island Reds. The three thousand head of specimens that I have this year cannot be equalled by any half-dozen Red breeders in the world.

I am prepared to furnish winners for any fairs or shows, birds that will have reached their maturity by the time these exhibitions are held, and the quality I have cannot be duplicated by any breeder.

REMEMBER: For twelve years past ROYAL REDS have won more prizes than all competitors put together.

ROYAL REDS have established themselves in all parts of the civilized world, and as they stand today they are champions over all other strains.

COCKS, COCKERELS, HENS and PULLETS, PENS and TRIOS, or in any quantity to suit the purchaser.

A large number of UTILITY SPECIMENS that are egg machines of the highest type.

Catalogue free for the asking.

F. E. Harrison

Box 30 Menominee, Mich.

A red hot one---right from the bat---and nobody out, on page 1127

Bronze Turkeys America's proven champions. Best breeding stock and greatest prize-winners always for sale. Eggs in season. Catalog for stamp. BIRD BROS., Box C, MEYERSDALE, PA. **Partridge Rocks**

SCHWAB'S NONPAREIL BARRED PLYMOUTH ROCKS

Line Bred Since 1883 **Winners at America's Leading Shows Since 1885**

Extraordinary Reduction Sale of Stock and Eggs

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Now at $3.00 per setting, $5.00 for two settings or five settings for $10. Our Descriptive Mating List tells all about every mating we have. Send for it. The December and January winners will be hatched in June and July. Our usual guarantee goes with this sale. Don't miss this. Send for Mating List today.

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Our Latest Win at the New York Palace Show, December, 1913

We won with 213 birds competing of the usual **New York Quality: First Prize Hen and Sweepstake Championship, Special Medal for Best Hen in the Entire Show,** Special for Best Shaped Female, Special for **Best Female in American class, Second Cock, Second Cockerel,** Fifth Pullet, **Special First** Pullet-Bred Pen, **Special Second Cockerel-Bred** Pen, Special Second Pullet-Bred Cock and Third Cockerel, Special First Cockerel-bred Hen, Special First Cockerel-bred Pullet, **Spratt's Silver Cup** for Best Exhibit, Special champion female, etc.

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Know Your Hens on Sight

Successful breeding depends upon knowing your fowls at sight. The

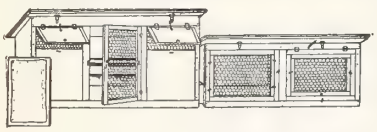
SPIR-O-L TRADE-MARK LEG BANDS



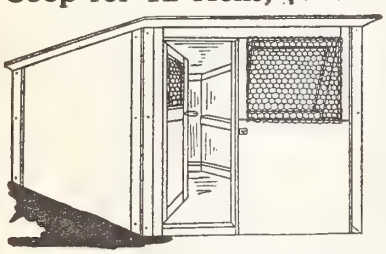
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	Four Poultry Sizes	Pigeon and Day-Old Chick Sizes	Four Poultry Sizes	Pigeon and Day-Old Chick Sizes
12	$0.20	$0.15	$ 0.25	$0.20
25	.35	.25	.50	.35
50	.60	.40	.85	.60
100	1.00	.65	1.50	1.00
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1000	8.00	5.25	12.50	8.50

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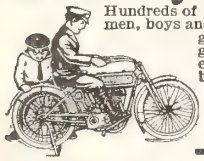


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Read page 1127

WORLD'S FOREMOST WHITE WYANDOTTES

REMEMBER, I have bred some of the most prominent winners for such shows as Madison Square, N. Y., World's Fair, Pan-American Exposition and Alaska-Yukon Exposition, and many of the noted winners at Chicago, Indianapolis, Pittsburgh and also in Canada owe their success to my strain. **My Guarantee:** Stock not satisfactory can be returned at my expense on conditions. I have sold stock for 15 years.

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A few choice breeders, both male and female, at reasonable prices. All strong in the blood lines that have been winning at New York, Pittsburgh and Chicago. Write us at once if you are in need of a good one.

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"Ideal" Poultry Appliances

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The only feeder that fowls must make a real effort to operate. Can be adjusted to feed any quantity desired. Satisfaction guaranteed if directions are followed, or money refunded.

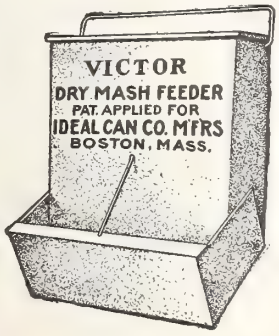
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The Fount with All the Good Features

1. Will not splash water when being filled.
2. Large watering space.
3. Universal for all ages and all kinds of poultry.
4. Easily filled and cleaned.
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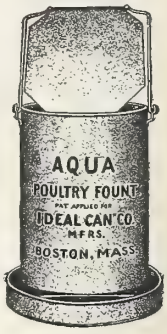


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It's larger size and low retail price gives it preference over ordinary grit feeders. **Price 75 cents.**



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On page 1127 will be found an interesting announcement regarding the great Am. Poultry Year Book!



BEST by CONTINUOUS TEST

Is The Unbeatable Record of

Tecktonius-Reed Strains

R. C. S. C. Buff Leghorns S. C. Rhode Island Reds



An occasional winning fowl, or pen, is not unusual; many breeders produce them, but that don't make a WINNING STRAIN, any more than a "swallow makes a summer". Producing a strain of birds that **sweep the boards** in the big Nat'l Laying Contests and Exhibition Arenas—not ONCE, but YEAR AFTER YEAR—is the unbeatable achievement of **Tecktonius-Reed** "Buffs" and "Reds", in competition with all popular breeds—against America's foremost breeders. This unequalled breeding and exhibition record proves "Tecktonius-Reed's" **breeding methods** to be scientific, and and their strains of "Buffs" and "Reds" to be a dependable foundation upon which poultrymen can rear a brilliant poultry success. Hundreds are doing it today; why not you?

Note Our Attractive 1914 Offerings

Choice of three Varieties (R. C. and S. C. Buffs—S. C. Reds) with Each

Utility Stock	Exhibition Breeding Stock	Exhibition Show Stock	Special Pullet Offer
Good breeding Cockerels $3 and $5 per head. Good breeding Trios, or Pens, $10 and $15.	Hens or Pullets—$5, $8, $10, $15, $25 per head. Cockerels—$10, $15, $25, $50 per head.	Pens—high quality—$50, $75, $100.	Eleven April Hatch Pullets—excellent value—mated to a good, vigorous Cockerel $15.00

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"Tecktonius" Strain of "Buffs" carried of first exhibition honors for 8 years at Chicago, New York, Boston, Philadelphia, Baltimore, St. Louis, San Francisco, Kansas City, Indianapolis, Cincinnati, New Orleans, Memphis, Des Moines, and scores of lesser shows. Your success as a breeder as an exhibitor—will be assured with a **Strain** backed by such an array of continuous triumphs. Send us your order today.

Tecktonius & Reed Buff and Red Farm
ROUTE 7 **RACINE, WISCONSIN**

"A fine flock"—

Rudy's Perfection Strain

White Wyandottes



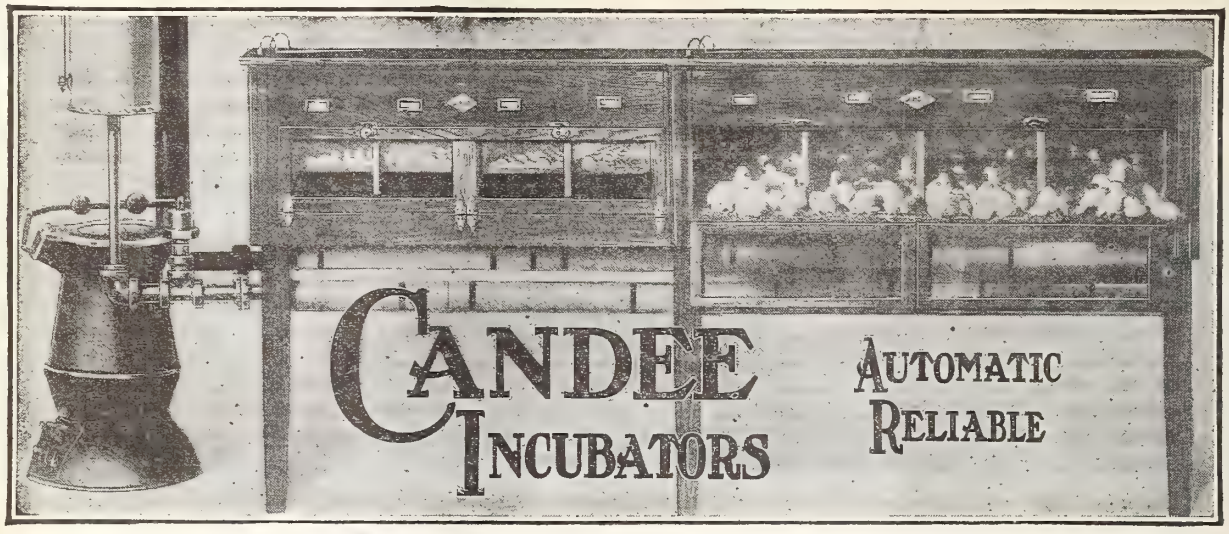
will delight the most fastidious lover of fine poultry. "A fine flock" is the involuntary comment. They have that pure white color, broad back, perfect head points and well spread tail so much desired in the beautiful White Wyandotte.

I will supply you with birds that cannot fail to please—the kind that will not be overlooked by any judge—birds that you will be proud to possess and that will win the ribbons for you if entered in competition.

Remember, my birds have the reputation of winning the most coveted prizes at the larger fairs and poultry shows.

Send for illustrated catalog and moderate prices.
Satisfaction guaranteed or money refunded.

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Whenever you have any number up to 300 eggs you start a compartment. It has its own automatic heat control, allowing only the amount of heat needed to enter the compartment radiator.

The main heat supply is not in the egg chambers and it does not flow from one into the other. Each compartment gets the heat from the covered heating pipes underneath, and when it is used it goes directly back to the heater to be reheated.

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This 1200 has four compartments, and to run it at full capacity, you only need 300 eggs every four or five days. Every compartment having its own heating system, a hatch coming off in one has no effect on the remainder of the machine.

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Attention twice a day is all it requires. Use it for your own work and turn any surplus eggs into big sturdy baby chicks that bring top prices.

Prepare now for next spring, which is bound to be a banner poultry year. This season many more chicks were ordered than could be supplied. Next year the demand will be even greater.

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A small investment will secure you a Candee and it will repay its purchase price and give you a handsome dividend the first year.

Remember, selling baby chicks and doing custom hatching for your neighbors is a cash business and one that has proved among the most profitable in poultry.

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A Candee Hot Water Brooding System handles many separate broods in one house and at one time. Each gets just the amount of heat needed, according to the age of the chicks.

One heater with healthy hot water heat furnishes the supply and the adjustable hovers can be set for any temperature.

This method, originated by us, is used by thousands, and it is the safe, dependable way.

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The system saves your work—the hovers are at a convenient height, and are rat proof. The felt is guaranteed for five years and the chicks can not pick it to pieces.

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Such a house is quickly cleaned, has pure air and the chicks will grow as you never saw chicks grow before.

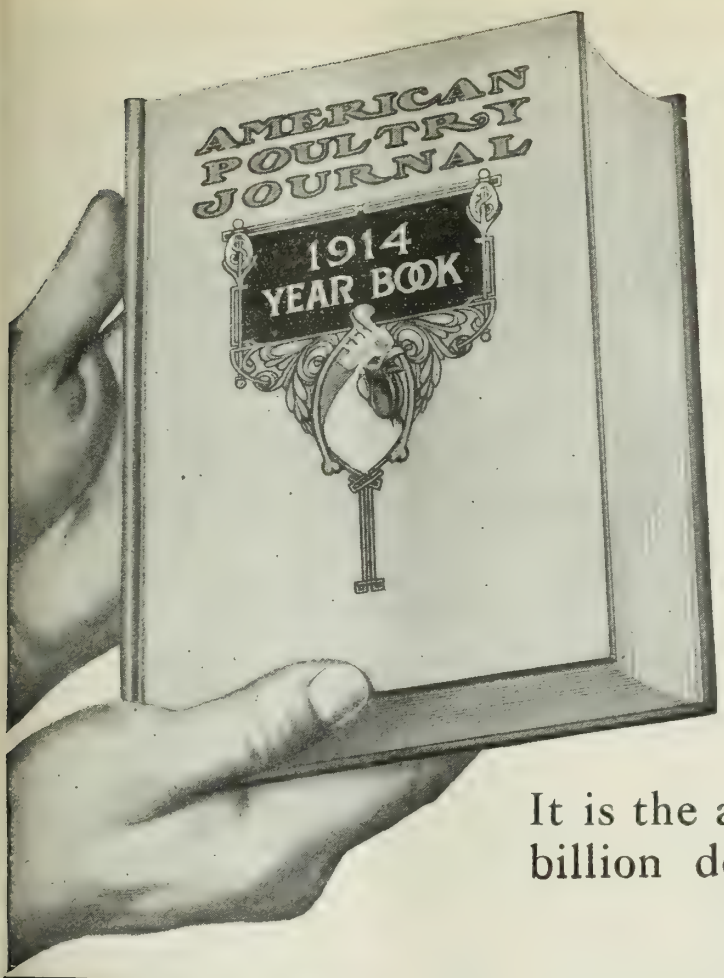
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Now is the time to get your brooding house arranged. We have single and double house plans, and furnish these complete, free of charge.

Write for Our Free Catalogue

Write for our free 108-page Incubator and Brooder catalogue. It gives full details, shows pictures of hundreds of plants and their equipment and you can see and learn of the successes of others.

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It is the authentic review of the billion dollar poultry industry

The 1914 American Poultry Year Book

It is the one poultry book which is read from cover to cover and then recommended to your friends. Intensely interesting, because it deals with the problems of everyday poultry life in a straight-from the shoulder manner. Helpful because it tells what to do and how to do it. Thoroughly practical because the subjects are written by men and women who have been "through the mill" and know what they are talking about.

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The poultryman knows this to be a fact

So there are Autos—and Near Autos

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are not Near Autos, but they are far in the lead from the standpoint of Mechanical Construction, Appearance, Efficiency, Comfort and Serviceability. They are "Made to Make Good" for the owner, and they do it. Hence, Crow Elk-Hart popularity and thousands of satisfied owners.



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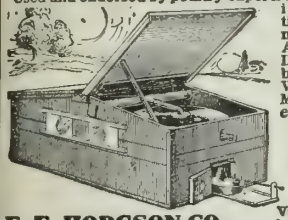
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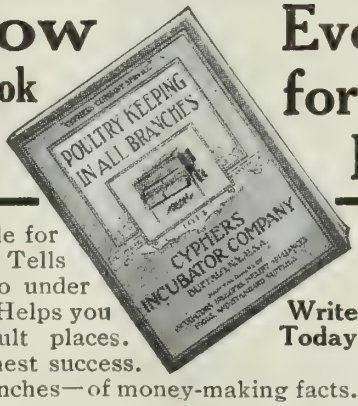
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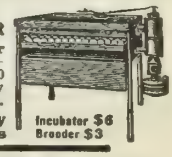
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Winners at Chicago—Indianapolis—Memphis—Louisville —Knoxville—Nashville—Shelbyville

Tennessee State Fair, October 1913, 1st Pen, 2d Hen, 2d Pullet, 3d Hen, 3d Cockerel, 4th Hen, 4th Cock, 4th Cockerel, 4th Pullet, 5th Cockerel. **Silver Cup for Best Pen, National Conservation Exposition,** Knoxville, Tenn., September 1913. 1st Cockerel, 2d Pen, 3d Cock, 4th Cockerel, 4th Hen, 5th Pullet. **Indiana State Fair,** Indianapolis, September 1912, 1st Pullet, 1st Pen, 2d Cock, 3d Cockerel, 3d Cock, 3d Pullet. **Tri-State Fair,** Memphis, Tenn., September 1912, 1st Cockerel, 3d Pullet, 5th Cockerel, 5th Pen. **Louisville Poultry Show,** Louisville, Ky., December 1912, 3 Firsts, 2 Seconds, 4 Thirds, 1 Fourth, 2 Fifths. Special for the best shaped female. **Two Silver Cups for the best Barred Plymouth Rocks.** Chicago, Ill., December 1912, 4th Pullet Bred Cockerel.

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The latest winning strain. A splendid laying strain.

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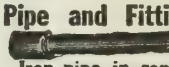
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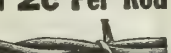
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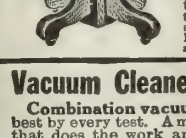
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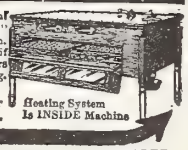
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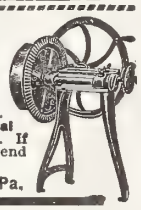


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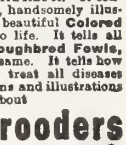
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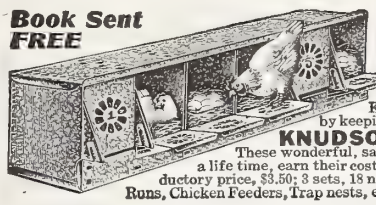
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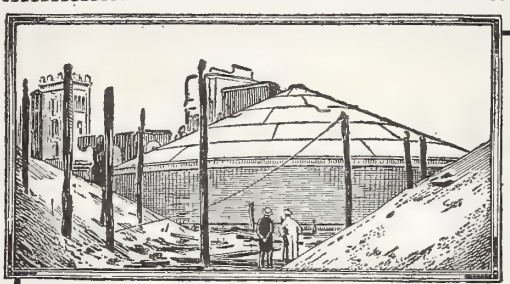
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The Evening World.

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Everybody agrees that the one thing which contributed most to the spread of the fire was—shingles. House after house burst into flame the instant the rain of sparks touched the tinder-like shingle roofs.

• • •

—a dry, weathered shingle makes about the finest kindling known. In a closely populated town a brisk wind carries flames over shingle roofs as fire sweeps over sunburnt prairie grass.

The Bay State is using the Salem fire to start a strong argument against shingles. It will do the rest of the country no harm to listen.

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GERMOZONE

By Geo. H. Lee



IT is just eighteen years this Fall since I named "Germozone". Formerly it existed, but nameless. It lived, then, as a prescription in the practice of an old time doctor, famous for his seldom failing treatment of diseases of the skin, and of the mucous membrane of the body cavities. For any and all strictly surface irritations or inflammations, from catarrh to leucorrhea, from eczema to itch, he used the same remedy with uniform success.

Germozone was born of an idea that came to me after a strenuous battle with Roup, Canker, Chicken Pox, and Bowel Complaint in my poultry yards. I had tried 'most everything when all at once the thought came that what would prove successful for catarrh or other mucous discharge in a human being would surely do the same for roup in a chicken; that what would remove eczema or chicken pox on a man, woman or child would do as well for a hen.

It worked, and it worked so well that, today, when anyone says "Germozone," you think of chickens. It worked so well that it is today the standard poultry medicine of the world—the widest distribution and the largest sale. Germozone is sold on an absolute guarantee of satisfaction.

For Poultry and Pigeons, Germozone is used in cases of Roup, Swelled head, Canker, Sore throat, Chicken pox, Sore head, Loss of feathers, Bowel complaint, etc. Thousands give Germozone regularly twice a week as a preventive and bowel regulator.

For Dogs, Singing Birds, and other pet stock, Germozone is a whole medicine chest. Many birds do not sing because of sore throat. This condition Germozone quickly relieves.

For Stock, use for Cuts, Wounds, Sores, Burns, Canker, Skin Diseases, Loss of hair, Sore mouth, Harness Galls, Swellings, etc.

"Germozone beats them all for an all-around medicine. Three years ago I was losing 20 chickens a day, and I began to using it and did not lose any more. Last year I raised 300 chickens and never lost one and this year 250 chickens and never lost one. I never let them have any water without Germozone in it till they are eight weeks old. I would not raise chickens without it." Robt. McHeffey, Vinton, Iowa.

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"Germozone is worth its weight in gold to the poultryman. I have also used Germozone for other things and it has never failed me. It cured a fine Pollar canary singer valued at $10. He had been wheezy and roupy and did not sing for two years. I tried every kind of Bird tonic without success. Now he is singing splendidly and in perfect health." Mrs. W. W. Woods, Springfield, Ohio.

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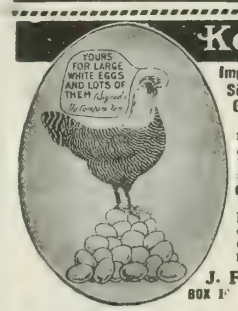
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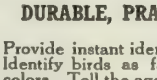
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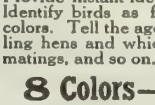
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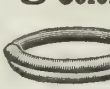
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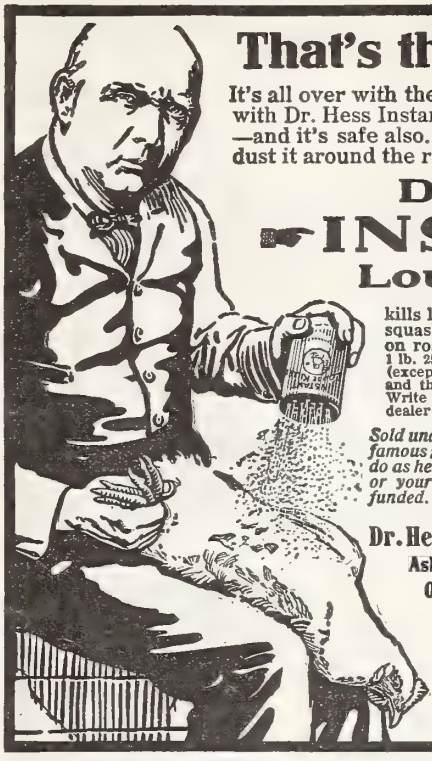
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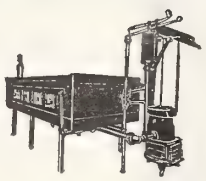
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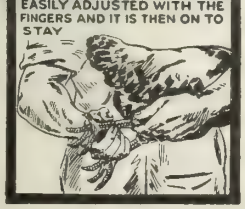
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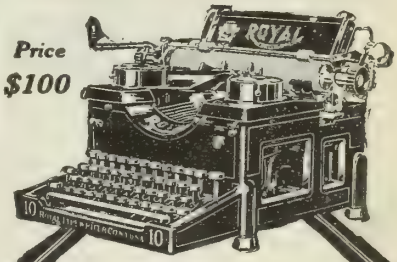
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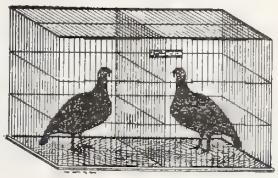
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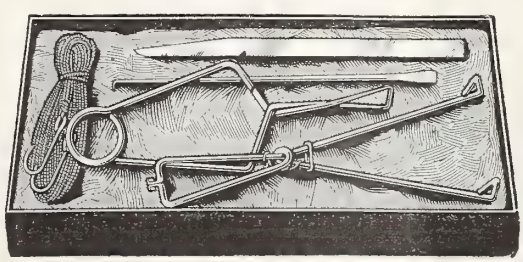
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AT THE GREAT **Madison Sq. Garden Show**

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1st Hen	2d Pullet

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American Poultry Association at Chicago

Thirty-ninth Annual Meeting a Notable Occasion—Over Five Hundred Members Present

By Prince T. Woods, M. D.



CHICAGO—a big city of warm-hearted, wide-awake people—a big convention with live interest—and a great big good time. That is the way the thirty-ninth annual meeting of the American Poultry Association, Hotel Sherman, Chicago, August 10 to 15, 1914, sizes up in brief from our personal viewpoint.

The Chicago Poultry Society "did themselves proud" in the matter of entertainment. Visitors were given a hearty welcome and were royally entertained. The events were free to all attending the convention and there were no extras to pay for. Visitor's money wasn't legal tender when attending Chicago entertainment—you couldn't do any spending and if one expressed a desire to see something not on the program some Illinois "live wire" was right on deck to deliver the goods. Did we have a good time? You bet we did! We had to miss some of the regular entertainment program on account of the necessity for attending the business meetings, but outside of the busy convention hours the Chicago boys and other friends among visiting members could scarcely spare us time for sleep.

We believe that everybody had a good time, all whom we saw were DElighted, and most folks when the time came for going home were about "all in," tired but happy. If anyone failed to enjoy Chicago, it was his own fault. There were free tickets to the ball game, the theatre and the amusement parks; a big reception for everybody with a fine vaudeville entertainment in the convention hall at Hotel Sherman which consumed an entire evening; on the next evening there was a smoker for the men and a banquet for the women, with a special entertainment program at both; there were automobile trips about the city; an interesting trip to the stock yards, during which one lady visitor told us she had two lunches and a good big dinner; then there was a fine boat ride on the steamer "Theodore Roosevelt" on the lake, affording a panoramic view of the city of Chicago at night; more auto rides to points of interest. That does not sum up all of the entertainment, it would take a whole issue of A. P. J. to go into details.

There was held in central Y. M. C. A. two free public poultry institutes; one on Tuesday, from 11 a. m. to 1 p. m., at which Prof. Wm. A. Lippincott, professor of poultry husbandry, Kansas State Agricultural College, and W. Theo. Wittman, State Poultryman for Pennsylvania, both made interesting addresses. On Thursday, Mr. Harry M. Lamon, Junior Poultry Husbandman United States Department of Animal Industry, made an interesting address, illustrated with 1,500 feet of moving picture films. Prof. T. Patterson, pathologist, Missouri Experiment Station, and Prof. James G. Halpin, professor of poultry husbandry, Wisconsin State Agricultural College, both delivered interesting lectures on practical poultry culture.

Monday, August 10th, was registration day and nearly 500 members registered, coming from far and near from all sections of the North, South, East and West. Each member was tagged with a substantial bronze badge, with name card and reproduction of the Association emblem. Then there were souvenir watch chains with an enamel portrait of "Red Comb" on the button; attractive leather card cases and very useful chain key rings. "Convention Cackles," an interesting sixteen-page magazine, was published daily during the convention and distributed among the members, its lively pages providing much to amuse and interest everybody.

In spite of a heavy shower on Monday the auto parade "to meet President Thompson" proved highly entertaining and everybody enjoyed the fun, including those who received a good ducking in the heavy thunder shower. This procession was headed by a special escort of White Leghorn cocks of giant proportions (men in wonderfully life-like poultry costumes) and attracted much attention from the crowds in the city streets. The moving picture man caught the parade and we understand that the films will "do the movie circuit" throughout the States. Except for the heat and rain on opening day, even the weather man was exceedingly kind in Chicago; we had fine cool summer days all the balance of the week.

The thirty-ninth annual meeting was called to order by President E. B. Thompson, of Amenia, N. Y., promptly at 9:30 on Tuesday morning. He at once proceeded to introduce an unusual and decidedly human-interest order of business by reading a telegram announcing the arrival of "the youngest and newest member of the American Poultry Association," the birth of a son to Secretary and Mrs. S. T. Campbell. We venture the opinion that no son of a royal house ever received a more hearty and enthusiastic welcome to this planet and it was several minutes before the convention again came to order. Secretary Campbell, wearing a smile worth while, responded to this ovation with a few fitting remarks.

Frank E. Hering then introduced the Hon. Everett Jennings, chief counsel of the Illinois Public Utilities Commission, who had been deputized by Governor Dunne to welcome the association on behalf of the State of Illinois. He was followed by James J. St. Lawrence, assistant corporation counsel of the city of Chicago, who welcomed the association on behalf of Mayor Harrison. The addresses of welcome were responded to by President E. B. Thompson.

Vice-President Arthur A. Peters, of Denver, Col., then was given the chair and the roll of members was called by states. There were representatives present from all sections of the United States and Canada and those states sending several delegates were loudly applauded. Vice-President

Peters presided over the convention throughout the entire session and was highly complimented on his able handling of situations, his fairness and justice to all who desired to be heard, and his unfailing good nature. During the closing hours of the convention he was highly complimented by President Thompson, received a vote of thanks and praise from the Association through a resolution introduced by Mr. Baerman, commending his most creditable performance of the difficult duties of a presiding officer, and at the opening of the closing session Mr. Peters was presented with a gold-mounted gavel by Frank E. Hering, on behalf of the association, in appreciation of Mr. Peters' services. Mr.



FIRST MALE, BUFFALO, N. Y., 1912.

The above gives you a type of F. S. Smith's Single Comb Buff Leghorns of Hamilton, Ohio, who is the largest breeder of Buffs in the world. Smith has them by the thousands and they certainly are the great egg machines.

Hering's remarks were decidedly to the point, as they usually are, and were heartily endorsed by every member present. It was a complete surprise for Vice-President Peters, and it was a few minutes before he could respond, then, like the clean-hearted, wholesome gentleman he is, he thanked the association and expressed his pleasure in being able to serve the association and said that we should always find him ready to give his time and best services to the work and interests of the American Poultry Association. We believe that every member who attended Chicago convention this year, and Atlantic City in 1913, feels a warm appreciation of the services of Mr. Peters as a presiding officer, and at one time during the Chicago meeting it looked as if Mr. Baerman would then and there insist that Mr. Peters be the next president. With such a wealth of warm appreciation the Gentleman from Colorado must find much pleasure in feeling that his work for the association has been good work well done. President Thompson, in his remarks on this subject, expressed his high personal regard for his vice-president and said that because he personally held the best interests of the association so closely to heart, he felt he could best help the association by continuing Mr. Peters in the chair. Nevertheless the president was a pretty busy man during the convention, as well as before and after the open meeting.

Routine business of the convention was handled in the usual order, reports of officers and committees were received and spread on the records and the members will get these in detail in the official proceedings as usual. It is of interest to note that the treasurer's report showed approximately $13,000 in the treasury of the association. Branch reports were admitted to the records without reading. After handling these routine matters the convention, on motion of Mr. Hering, went into a committee of the whole to consider the report of the committee on new constitution.

The committee of the whole consumed the greater part of two days, at day and evening sessions, considering the proposed new constitution and laws section by section. It was during these sessions that the association orators displayed their greatest talents in redundantly verbose "hot air" arguments. At one time it looked as if we also had a "Triple Entente" on this side of the "herrin' pond" composed of Messrs. Hering, Hicks and Curtis. The great joke of the whole effusion of eloquence, including much "hot air" that appeared entirely apart from the subject, was that little or none of this oratory will appear in the official records in an advertising way or otherwise, since it occurred in the work of the committee of the whole, and also there was little or no need of any lengthy discussion anyway as the meeting was practically solid for the constitution and laws as submitted to the association. In fact it was difficult to see wherein the gentlemen indulging in discussion really had any material for disagreement or to learn from their remarks that they really did disagree. However, it served to provide a safety valve for pent up oratory and helped to tire out the members and further the speedy disposal of most of the business later on.

There was some discussion relative to the per diem allowance of executive officers while on service. The proposed constitution provided, in addition to railroad and Pullman expenses "for $5 per day for other expenses while on service." In the early discussion Mr. Curtis held that the $5 per day should not be paid during the time that was spent in travel to and from the convention and he considered that the A. P. A. official should feel amply rewarded for his time, etc., by the privilege of riding in a Pullman car at the association's expense and enjoying the beautiful scenery viewed from the car window. Messrs. Hering and Collier made it quite apparent that the member so traveling at the association's expense was not receiving any compensation for his time and that the high cost of living during present day railroad travel made it absolutely necessary for a man to have some allowance for meals and other expenses while



First Pen Cockerel Chicago Coliseum Show December, 1913. Bred and Owned by Robt. Parmenter, Knoxville, Ill.

en route, although Mr. Hering stated that he personally had taken care of such expenses on his own account out of his own pocket. When this discussion was resumed at the next session Mr. Curtis joined the majority by offering as a substitute proposition that the member whose expenses were paid be allowed "actual expenses up to $5 per day" while en route. This course was approved, although in effect it does not materially differ from the first proposition under discussion.

Later on there was considerable discussion in regard to the division of the life membership fee when a new member was secured by a branch or by an organizer, or by a branch and

an organizer working together. This was finally adjusted by allowing $5 to the parent body, $3 to the organizer and $2 to the branch, which will hereafter be recognized as a state or provincial member instead of a branch. Aside from a few minor and non-essential changes the new constitution and laws was adopted by the association practically as presented to the convention and distributed in printed form to members.

Varieties Admitted to the Standard

The Standard Revision Committee reported that the wording of the entire 1915 Standard had been made to conform with the changes adopted by the last annual meeting and that they had carefully considered all other proposed changes. From their report one gathers that the new Standard will differ very materially from the old one. The Standard Publishing Committee remained in Chicago for some time after the convention to complete their work. The following varieties were admitted to the Standard:

Rose Comb Anconas, White Houdans, Silver Campines, Golden Campines, S. C. Blue Andalusians, R. C. White Minorcas, Salmon Faverolles, Mille Fleur Booted Bantams, Gray Japanese Bantams, Buff Ducks, Pencilled Runner Ducks.



Parade escorting President Thompson from the Illinois Central Station to the Hotel Sherman. Six White Leghorn roosters, each eight feet in height, marched at the side of his automobile. Moving pictures were taken and will be shown all over the country.

Rose Comb White, Black and Buff Orpingtons were refused admission to the Standard on motion of Mr. Delano after considerable discussion, although they had been reported favorably by the revision committee.

Campines were given a new class to be known as the Continental Class, this appearing to be the easiest solution of the differences of opinion on the part of members who favored placing this breed in the English Class, a Dutch Class and a Belgian Class.

Dr. Clark, aided by a lengthy letter from Mrs. Judy (long time a breeder of poultry and several times a grandmother) put up a strenuous fight for the admission of Old English Games to the Standard. Messrs. Platt and Sewell were in favor of admitting this old time variety. The revision committee was against them because the Game advocates had failed to submit a standard color. Several members were opposed to the games because a number of color varieties might be bred from the same pen and on the ground that these games are fighting birds. The discussion was quite warm and lengthy but the convention voted that the Old English Games be not admitted.

Several other breeds and varieties were denied admission because requirements as submitted were incomplete.

"Symmetry" again afforded members of the association opportunity for abundant discussion, on petition of Frank E. Hering to reinstate "Symmetry" in the Standard scale of points, official score card, glossary of technical terms and to adjust the scale of points to conform. A general and somewhat informal argument followed the motion to reinstate symmetry, out of which members obtained considerable entertainment and some enlightenment as to where certain members may have learned much about symmetry. It was good natured discussion for the most part and such personalities as were indulged in were voted to be expunged from the records. Symmetry was finally duly reinstated, as we believe it should be.

The attempt to reduce the weight of Plymouth Rocks was lost, as it was ruled out of order, the matter having been reconsidered and voted down at the Atlantic City meeting.

The following Standard weights were voted for Leghorns: Cocks, 5½ pounds; hens, 4 pounds; cockerels, 4½ pounds; pullets, 3½ pounds.

It was voted on petition of committee that in all Partridge varieties the description of Fluff shall be read black, tinged with red. The majority of breeders apparently favored this change, although there was considerable difference of opinion and some were strongly against it.

In the description of neck of Light Brahma males the word "silvery" will be eliminated wherever it occurs in connection with the word "white."

The new Standard will call for good length of back in Anconas, with slight slope from shoulders to saddle, then rising into a concave sweep to tail.

Weights for Andalusians will be: Cock, 6 pounds; hen, 5 pounds; cockerel, 5 pounds; pullet, 4 pounds.

In the preparation of this report we have not the space to go into details and we have not attempted to chronicle events in the precise order of day and hour of their happening. In many cases the program was changed to meet the needs of the moment and a good deal of business was carried over from one session to another from necessity. From Tuesday morning until late Friday night the convention was a busy one and at one time it looked as if it might take more than a week to finish up the business on hand. However, as the meeting progressed, and members began to tire, the business was pushed through more rapidly.

The consideration of illustrations for the new Standard occupied considerable time. The artists were asked to make quite a few more changes, most of which, to us, appeared more technical than essential, and we doubt if, when the changes are made, those who requested them will be satisfied with the results. It seems to us rather a difficult matter to have an assembly "edit" idealized pictures off hand and

do it wisely and well. We liked the Wyandotte pictures as they were presented, and doubt if they will be benefited by the changes asked for. The Plymouth Rock illustrations appeared to us rather too high in tail and too short in back, but it was quite apparent that the majority were not disposed favorably toward lowering the tail. Rhode Island Red illustrations will show a decidedly long, flat, straight back, and evidently that is what the breeders present wanted. The Ancona pictures made a hit with the breeders and the artist was highly complimented on his work.

A long list of show rules was adopted without material



A trio of Columbian Wyandottes as bred by J. E. Perkins, 513 Canton St., West Stoughton, Mass.

change from the printed copy supplied members. As these will appear in the records and later on in various show catalogs, it seems unnecessary to present them here. It will be recalled that "Rule 17" adopted, and reconsidered sustaining the adoption, at Atlantic City last year will soon go into effect. Having been reconsidered at the 1913 meeting it could not be again reconsidered at Chicago and members are wondering if any attempt will be made to enforce this rule.

Report of Executive Board

Twenty-nine members of the Executive Board were present at the roll call. The committee reported that during the fiscal year ending July 30, 1914, 846 life members were admitted to the association and 99 members since the close of the fiscal year.

The board reported licenses granted as follows:

General Licenses to Judge Poultry

Frank W. Breed, College Place, Wash.
Jas. A. Daily, Mohawk, Mich.
Chas. A. Bloss, Owosso, Mich.
A. H. Emch, Toledo, O.
E. H. Huffman, LaCrosse, Wis.
A. H. Kochensparger, Junction City, O.
Oscar Nelson, Cour D'Alene, Idaho.
Russell F. Palmer, Lincoln, Neb.
Louis A. Stahmer, Forest Park, Ill.
B. O. Swain, Zionsville, Ind.
Tom H. Woods, Fayette, Mo.

Specialty Licenses to Judge Poultry

S. O. Lindgren, Kingsburg, Cal.
H. C. Miller, Akron, O.
Chas. G. Pape, Fort Wayne, Ind.
L. G. Gary, Trimble, O.
Geo. B. Young, Columbus, Ga.
Jas. W. Simmons, Geneva, O.

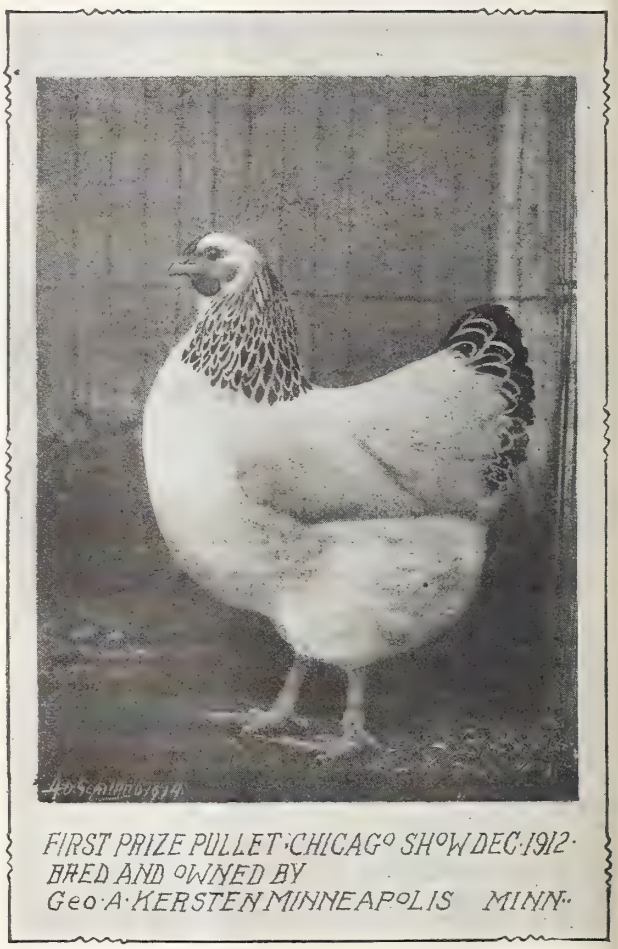
A charter was granted for a branch association in the state of New Mexico.

Sixty-six complaints and grievances were acted upon by the board. We believe that the proper place for the report of this action is in the official records and not in the poultry press.

The board recommended that the copies of the old Standard on hand when the new Standard issued be given to the various boys' and girls' poultry clubs and schools throughout the country without charge except postage. This matter was brought before the association and thoroughly threshed out. There were a good many members who could not see the advisability of introducing an obsolete and out of date Standard into the schools and clubs. It was finally voted not to permit such distribution of dead Standards. If any old Standards remain on hand after the new edition is ready for mailing the secretary is instructed to retain such copies of the old Standard as are needed for reference purposes by the association and to permanently deface the balance and sell same for waste paper.

The 1914 Budget

The finance committee was instructed to submit a budget covering estimated necessary expenses of the ensuing year. Attention was called to the fact that although the treasurer reported about $13,000 in the treasury it might be well to know and understand just how far that amount would go toward covering expenses to be incurred. When the budget was presented it developed that the association contemplates the expenditure of approximately $30,000. However, the members did not seem to feel alarmed when facing an expenditure of nearly $17,000 more than is available at the present time and appeared confident that the receipts during the coming year will prove sufficient to meet the financial needs of the association by the time the money is actually required for use. The budget was received and the amounts called for therein, or such parts of said amounts as may be actually required, were appropriated and placed at the dis-



posal of the various officers and committees. A summary of the budget follows:

Budget for the Year 1914-15

Expenses of the President's Office:		
Traveling expenses	$ 200	
Postage, telegrams, etc	25	
Clerical work	25	
Traveling expenses to convention	200	$ 450
Expenses of the Vice-President:		
Attending A. P. A. convention		225

Expenses of the Secretary's Office:		
Salary	2,000	
Traveling expenses	300	
Clerical hire	1,000	
Rent	300	
Stationery	400	
Postage and express	750	
Telegrams and telephone	25	
Insurance	75	
Bonds	125	
Petty and contingent fund	150	
Attending A. P. A. convention	150	5,275
Expenses of Treasurer:		
Traveling and indicental office expenses		100
Expenses of Election Commissioner:		
Salary	200	
Postage	250	
Attending A. P. A. convention	140	590
Expenses of Executive Board:		
Railroad and Pullman fare	900	
Per diem en route	400	
Per diem for attendance	300	1,600
Committee on Grievances and Appeals:		
Salary of chairman	300	
Postage	25	325
Standard Revision Committee (5 men):		
Visiting two shows	250	
Per diem en route and attendance	350	
Incidentals	50	650
Finance Committee:		
No expense.		
Judiciary Committee:		
Attending A. P. A. convention		300
Printing and Mailing Proceedings 1914 Convention:		
Publishing	1,000	
Postage	550	1,550
Printing and Mailing Quarterly Bulletins		500
Plymouth Rock Breed Standard:		
Printing, illustrating and binding 5,000 copies		2,000
Printing, Illustrating and Binding 5,000 copies Market Standard:		
From now on	1,750	
Expenses of this convention	600	
Final revision and editing	700	
Previously incurred (unpaid)	250	3,300
Estimated Expenses for 1915 Convention		500
Expenses for Publishing 1914 Standard:		
Railroad and per diem members committee	500	
Editing and proof reading	250	
Making and preparing plates	500	
Printing 25,000 copies	8,000	
Mailing 25,000 copies	1,000	
Express and drayage	150	10,400
Expenses Editing and Publishing Committee and Artists' Expenses	750	
Artist work	2,000	2,750
Committee on Text Book for Schools:		
Necessary expenses		200
Grand Total Estimated Expenses for 1914-15		$30,615

Market Poultry and Egg Standard

Robert H. Essex made a long, detailed report for the committee on preparation and publishing of a Market Poultry and Egg Standard. From this report it appears that this Standard is expected to fill a long-felt want and is much desired by colleges and stations conducting poultry courses. The report was favorably received and the committee given power to proceed promptly with the work of publication. It is also proposed to at once publish score cards for live and dressed poultry and for eggs, with instructions on back of same, to conform with standard. Prof. Graham, of Canada, was of the opinion that there would be a big demand for such score cards and the market standard and said that his department was now ready to place a considerable order just as soon as a satisfactory price could be quoted and prompt delivery promised.

Apparently all opposition to the market poultry and egg standard has disappeared, committee members apparently expected some opposition and were pleasantly disappointed. It is believed that the market standard and score cards based on same will prove an important source of revenue for the association and we were informed that had the association rejected the book publishers stood ready to purchase it outright and publish same at once.

A Poultry Text Book for Schools

One of the most important acts of the convention was the adoption of the report of the Text Book Committee and the appointment of a new committee consisting of James W. Bell, Frank E. Hering and E. E. Richards to act with the approval of the Finance Committee, in securing the immediate publication of a poultry text book for schools, through some regular text book publishing house, on a royalty basis.

The committee's report recommended the plan for a text book presented to the committee by C. T. Patterson of Missouri State Poultry Experiment Station. Mr. Patterson has had considerable experience as a school teacher and educator, as well as with the preparation and acceptance of



No. 1. Cheapest and best type of open-air colony house for growing chicks. The open spaces at gables, together with open front, give perfect ventilation. Any size box can easily be converted into this house, though large sizes will prove most practical. On farm described they are in use from six feet square down to soap box size, which are used for broody hens. The bottoms are wire netting, and by frequent moving the house becomes self-cleaning.

(See article "A Few Suggestions for the Beginner.")

modern text books. For the past three years he has, while in the employ of the Missouri Station, been engaged in the preparation of the manuscript of a modern text book on poultry, suited to the needs of our schools, considering both pupils and teachers. It was the intention of the Missouri Station to publish this text book for use in its home state, but it was finally decided to offer the book to the American Poultry Association that it might be official and contain certain illustrations from the new Standard.

The committee reported favorably on Mr. Patterson's proposal and recommended that his offer and that of the Missouri Station to furnish the manuscript, practically without cost and without other compensation than the honor of having prepared the first official text book, be accepted, and that the committee be instructed to at once proceed with the work of securing the publication of this book on a royalty basis through some regular text book publishing house. The copyright of the book is to remain the property of the association and this plan of publishing will secure the book practically without cost to the association, while the royalties should prove an important source of revenue for the A. P. A.

The members took to this text book proposition with the enthusiasm of ducks taking to water, and many expressed

the opinion that this text book action is one of the most important and valuable actions for the furtherance of Standard-bred poultry interests ever attempted by the association. A summary of Mr. Patterson's remarks on the text book follows:

Poultry Text Book for Elementary Schools

There is a growing demand for more and better work in the subject of Practical Agriculture in the elementary schools.

The A. P. A. proposes to keep in the front ranks among all the different phases of agriculture by giving to the schools of America a text on the subject of agriculture which will fit in with any text on agriculture either as basic text or supplemental to the other text.

The text is prepared for the seventh and eighth grades so it reaches many pupils who never go higher than the grades.

Twenty lessons was considered the proper amount of time to give to the subject of poultry.

Some of the subjects are as follows:

Importance of Poultry.
Origin and History.
Breeds and Varieties.
Housing.
House Equipment.
Yarding and Fencing.
Feeding and Watering.
Mating.
Incubation.
Brooding.
Enemies.
Diseases.
Prevention and Cure of Diseases.
Care and Management.
Examinations, Reviews, Etc.

The book is based on pedagogical principles, using inductive and deductive methods, oral and written work, and home and school study.

It is considered that poultry is one of the best subjects to connect the school and the home, and everyone interested in elementary education will greet the news of this publication with a smiling face as it is something tangible and teachable, and from the highest authority in America on this subject.

Control of Poultry Diseases

In presenting the report of the Committee on Control of Poultry Diseases, Dr. Woods representing the committee, expressed the opinion that there is no particular need at this time for any legislation in regard to poultry diseases and no call for scare talk about diseases since conditions are much better at the present time than they have been for a number of years. Attention was called to the fact that, while large shows may take unusual precautions against distribution of poultry diseases, the small shows and the country fairs often prove dangerous sources of disease distribution, particularly where hucksters exhibit big strings of many varieties that have been carried about from show to show. The text of the committee's report follows:

Mr. President and Members of the American Poultry Association: Your committee on the "Control of the Distribution of Poultry Diseases" begs to submit the following opinions and recommendations:

1. That the surest and speediest means of controlling disease distribution is by education rather than by legislation.

2. That because of the difficulties and possible complications involved, the American Poultry Association delay recommending legislation on this matter, at least for the present.

3. That since poultry shows and the manner of cooping the same are probably the greatest source of disease distribution, the American Poultry Association courteously recommend to the management of poultry shows and to persons and firms furnishing coops, more thorough cleansing and disinfecting of coops and all parts and utensils used in cooping a show, prior to use at any show, thus lessening in the future the danger of great losses such as have been incurred in the past by birds contracting diseases from infected coops or utensils.

4. That the American Poultry Association may well consider the distribution of information through the medium of brief bulletins setting forth recommendations for proper preparation, cooping and shipping of fowls. Although the expert may need no instructions along these lines, the novice is sadly in need of them.

5. That although the Departments of Agriculture of the United States and Canada, the State Experiment Stations and poultry writers are doing a great deal in the way of distributing knowledge in regard to methods of housing, breeding, feeding, selecting and general hygiene for poultry, there still exists a great need for more and better information of all poultrymen; and that it is possible and desirable for the American Poultry Association to assist in the distribution of such knowledge through brief instructive press bulletins.

6. Your committee feels that the showroom is probably the greatest source of distribution of poultry diseases. Therefore, it recommends that the American Poultry Association instruct its secretary to consult with the management of several poultry shows and formulate recommendations intended to restrict distribution of diseases through show medium and send such to all poultry show managements. Those recommendations which deal with the fitting and shipping of poultry to the show can be incorporated in the show catalog.

7. Your committee urges that the American Poultry Association instruct its secretary to have prepared and widely distributed certain free bulletins containing collaborated information regarding those diseases which are distributed through the medium of mature stock, day-old chicks, and eggs for hatching, including in these bulletins practical treatises on the quarantine of breeding stock and chicks and the treatment of eggs for hatching.

Respectfully submitted,

C. A. Rogers, Chairman;
Prince T. Woods, M.D.,
Charles T. Cornman.

Licensing Judges

Wherever it came up for discussion during the meeting the subject of licensing judges provoked much hot debate. Charles D. Cleveland in an eloquent and able speech condemned the present manner of granting licenses as a farce. He was in favor of revoking all licenses and requiring an examination, including actual judging and both oral and written tests of the applicant's knowledge of the subject. Some recently licensed judges were violently opposed to this proposition. Mr. Cleveland stated that he was sure that licenses had been granted to persons not competent to judge poultry and he was decidedly against the granting of general licenses to judge all varieties, believing that no one man is qualified to do such judging. Mr. Cleveland was voted down and the matter of licensing judges and the rules concerning the awarding of A. P. A. prizes by licensed judges stand practically as published in the new constitution.

A petition was circulated about the convention requesting that general judge's licenses be granted to Charles D. Cleveland, W. B. Atherton, W. C. Pierce, C. A. Ballou, A. C. Smith and Will F. Fry, who had not applied for said licenses.

This petition was presented to the meeting and was adopted. Mr. Cleveland protested that he did not desire to be granted a general license at this time or in such manner and that when he was ready and felt qualified to apply for a general license he would prefer to make his application in the regular way and to take whatever examination may be required at such time as his application is made. His protest was not heeded.

During the closing hours on Friday evening the convention did business, without protest or question, without a quorum, the majority of the members being tired out and either preparing to go or on the way home.

It certainly was a convention long to be remembered, an improvement over the last convention, interesting and enjoyable as that was, and a favorable augury for conventions to come. So be it!

A Few Suggestions for the Beginner

The Quality of the Breeding Stock is the Keynote to Success—Strong Virile Breeders Necessary

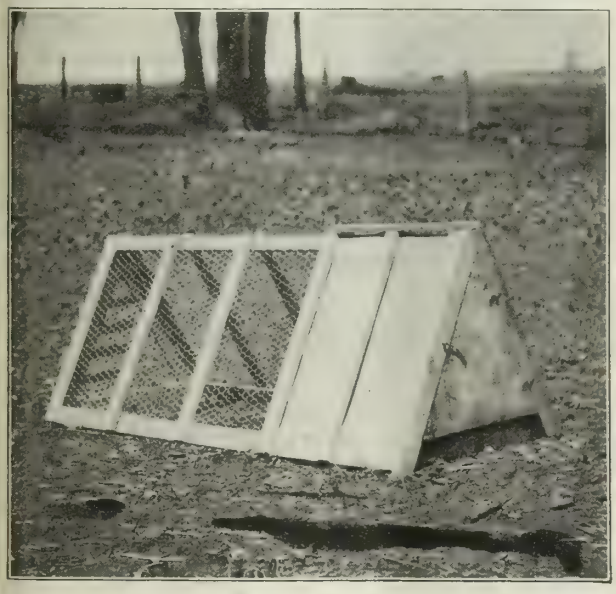
By Maurice H. Decker, LaPorte, Ind.



FREQUENTLY PROSPECTIVE poultry raisers have strange ideas of the best method of making a beginning with poultry. There seems to be a general idea among those who have not had a try at it, that the poultry business is one in which anyone can make good from the start. To the outsider, it looks like such a simple undertaking.

Last summer one of my friends, a retired business man, with a suburban place of five acres, expressed his desire to embark in the poultry business, and intimated his willingness to listen to advice, after first freely expressing his ideas on the subject.

He proposed building a long laying house, buying 2,000 White Leghorn chicks in the early spring, and raising at least 800 pullets from these chicks, to winter. There was, of course, a big possibility that a novice could not carry out such a program. Many have done as well, however—so well, in fact, that they are tempted to plunge deeper the succeeding year, in which case a severe shakedown of some nature is usually in order. There is probably nothing the matter with this method of getting together a nice flock of layers, aside from the large initial investment necessary, provided he could raise the chicks, and raise them right. The weak spot in such a program would undoubtedly be in the extremely probable lack of a good healthy, virile lot of breeders to replace and maintain the flocks in the future. It is my belief that a market poultryman cannot afford to pay the price of chicks of the necessary quality to maintain a paying egg farm. He must produce the stuff right at home on his own farm, where he can be sure of what he is getting for his time and money. More failures result from a lack of health and vigor in the breeding stock than from any other cause, while



No. 2. Cheap, serviceable brood coop for warm weather use. Constructed of 2 in. strip, wire netting and roofing paper. Dimensions, 2½ ft. wide, 6 ft. long and 3 ft. high.

on the other hand the raising of husky, livable chicks with the right sort of equipment and range becomes a matter of ease. The quality of the breeding stock is the keynote of a poultryman's success. The man who has set to work to carefully build up his flocks from matings selected for health and vigor, before greatly enlarging his operations in the production of poultry, is bound to come out successfully. For when he has learned that the health of the stock is of greater importance than their number, he has mastered enough of the craft to start him successward. All future branching and expansion is a simple matter of transition; for the man with two hundred or more unquestionably good breeders can produce the goods to fill his laying houses and keep on producing them.

The chief difficulty with the amateur is that he wants to do large things at once. Wholesale methods are in order after a certain groundwork of essentials has been mastered. These facts I endeavored to impress upon my neighbor friend, and



No. 3. An 80 per cent hatch of crossbred Barred Rock and Silver Wyandotte chicks.

after various arguments, among which the most convincing one was showing him a mound of earth where I had buried 400 day-old chicks not a great while before, he consented as a personal favor to give my plan a tryout. It would not cost much at the start, and in case of failure he was sure he could get chicks in large quantities on short notice later. Accordingly he built a poultry house suitable for one hundred hens in the fall, and at that time when good big healthy hens were selling around ten cents a pound, he picked up here and there a few at a time, about ninety good big hens of various colors and breeds. These cost on an average sixty-five cents each and were to be his incubators and brooders for the coming season, consequently no males were kept at all.

During the winter these hens were well fed and laid fairly well, but the main point in view was to have them in good flesh in the spring to encourage the broody tendency as much as possible. In March another 20x20 ft. house was put up and equipped with nests for use as a sitting house. Eggs for hatching were ordered from four breeders whose individual strains were pretty certain to be of no relation to each other. Two of these breeders could be reached by phone economically and as fast as the hens became broody, one, two or four sittings of eggs, fresh laid, could be secured on short order. None were set until the first week of April, the majority of the chicks coming out early in May and none later than the last of May. From each of these breeders, whom we will call A and B, were secured five hundred eggs, and from the two others, C and D, two sittings each were purchased. All eggs were tested out and the

remaining ones doubled up, the hens reset, and some hens were allowed to hatch two full hatches. The best appearing hens were given an average of twenty chicks each and placed in a good sized orchard in small 2x5 brood coops, completely roofed over. The chicks were given free range, though the hens were kept confined for some time. The coops were moved frequently to avoid killing out the grass growing under the fruit trees. When four weeks old, the chicks were fed from large wooden hopper exclusively and water supplied in shaded troughs. Wheat, corn, beef scrap and a dry mash, rich with ground oats and bone meal, were kept before them constantly, as well as grit and shell fed separately. Close watch was kept on the hoppers, and it was found that corn and beef scrap were the foods most eagerly eaten by the growing chicks.

The chicks grew by leaps and bounds. Of course there were



No. 4. A 16x12-ft. Woods' type house in which was run an oil burning brooder stove which brooded 1,100 chicks in one flock. The chicks were hatched April 14th. Fine ventilation was made possible through the muslin frames in front, and through the top sash, one of which was continually open several inches, and ventilator boxes in the rear wall. One hundred and ten gallons of oil was used to run the stove, due to continued cold weather, but chicks made strong, rapid growth. Of the 1,100 placed in the house 900 were marketed, and a good number of the lost were taken by hawks.

the usual casualties. Eggs were broken at times in the nests, hens refused to keep to the nests after a few days of covering an especially fine lot of eggs. The small brood coop will be tried another season for the broody hen, as in this way she is more under control. Hawks picked up a chick now and then, and two-legged thieves carried off three broods in one night, hens, chicks, coops and all—even the water pans went along.

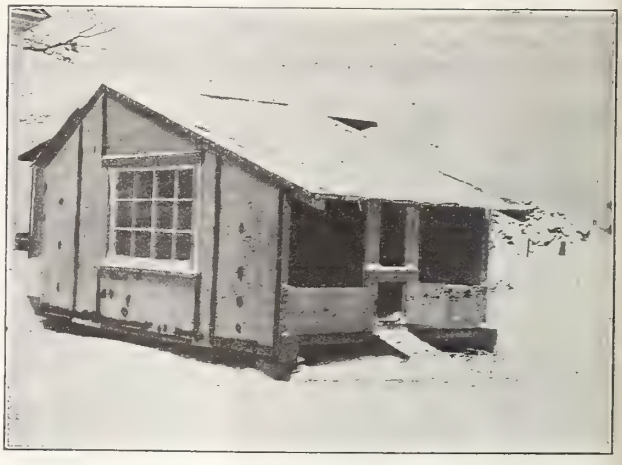
There is one thing I would say for the Leghorns—fewer chicks are picked up by hawks than any of the heavier breeds, who seem more stupid about such things. I had considerable trouble with one hawk last year, who would alight on a tall oak on the edge of the wood lot and wait for a chance to drop down on a chick passing beneath. Twice I startled him into dropping his prey, a Barred Rock each time, although there were as many White Leghorns on the same range, and the third time I landed him with five charges of number four shot.

Little trouble was experienced with lice or mites. Brood hens were regularly powdered, and all coops kept well sprayed. As the hens weaned their chicks, they were either fattened for market or retained as brood hens for the future, depending upon their work as mothers and physical condition. As long as a hen is active and healthy she is never too old to raise a flock of chicks. As the marketed hens were in good condition and sold at a favorable season, they showed a good profit over their original cost. The cockerels were removed as soon as they could be selected and placed on a range of their own in company with the old hens. I have found that cockerels mature better and develop into better breeders when allowed to run with a few hens and possibly a cock or two to teach them good manners. They must, however, have separate quarters from the old birds for roosting, and the smaller the flocks the better they will do.

The pullets were allowed to remain in brood coops in small flocks until large enough to be moved to their permanent quarters. At this writing (July 22) there are close to 500 of about the finest, healthiest lot of chicks running in my neighbor's orchard I have ever seen—certainly unsurpassed from the viewpoint of health and vigor. This much is certain—they are a finer lot than could have been gotten together by other methods, and he has learned several hundred dollars' worth about the business. These chicks will be used exclusively for breeders the coming season. After repeated cullings they will be mated up as follows:

Cockerels from the A strain will be mated with the B pullets, and B cockerels with A pullets. The best cockerel from the eggs secured from the breeder C, which came from a heavy laying pen, will be mated up with five of the best pullets secured from the D stock. This mating is to secure cockerels for the succeeding year. Thus by condensing four strains into one, there will be little or no loss from debilitated chicks, the usual result of inbreeding. My experience along this line has convinced me that inbreeding has the effect of lowering vitality and productiveness. I know the opposite of this statement is held to be true by a large number of breeders, but there is no question in my mind that the more new blood, and the "newer" it is, brought into the matings for the production of meat and eggs, the better the results. I have great faith in the crossbred fowl as a quick, profitable grower, and venture to make the statement that the reason so many farm flocks of poultry survive extreme conditions and gross neglect is because of the mixture of blood that flows in their veins. Farmers who buy new male birds each year from foreign strains in different parts of the country never hear of white diarrhœa, or other popularly talked of poultry diseases, and their losses of chicks due to inherited weakness are very small. A number of farmers have told me that as soon as they stocked up their places with closely bred stock their "luck" with poultry changed and all kinds of trouble began. Understand me, I do not advocate mongrel stock, but there are always two sides to every question, and out-crossing with poultry is no exception. For market poultry I have found nothing finer than the Barred Rock-Silver Wyandotte cross, the only possible objection being the black pin feathers.

The beginner with poultry cannot do better than to aim for



No. 5. A 6x12-ft. Tolman house for breeding pen of White Leghorns used during exceedingly bitter and severe storms. The cockerel escaped with only very slight frost bite at the points of his comb, while sixteen Rock cockerels in an 8x12-ft. muslin front house directly back of this pen were badly frosted. This instance among others has proved the value of the open-air house.

the establishment of a flock of healthy, vigorous breeders. Open-front houses should be used exclusively in all sections of the United States or Canada. I have three types of these houses in constant use on my farm and prefer the Dr. Woods type—especially the 16x20 ft. house. It furnishes ideal quarters for a flock of fifty breeders.

To be successful the beginner will do well to allow the old hen to hatch and rear the chicks, allowing them free range and with food in hoppers constantly at hand. There will then be an equal chance for a steady, even development in the chicks, which will tell later in the breeders selected therefrom. You have only to watch the scramble and note the shy specimens, mostly pullets, hovering about the edges of hand-fed flocks to appreciate this point. Especially should the beginner go slow in inbreeding until, at least, his flocks are well established and he knows what he is about.

Impressions of the Chicago Convention

Less Oratory and More Time Devoted to Interchange of Helpful Ideas Would be Welcome

By Helen T. Woods



THE WORTH OF an individual is largely dependent upon his manner of association with his fellows. The man with eyes and ears open only for the absorption of his own ideas gradually gravitates to where he belongs—the provincialist class. In association work very few of such can long exist, since the rule works both ways, and competency eventually gets where it belongs—in the lead.

The American Poultry Association can do no more worth while thing than that of encouraging attendance at its annual conventions, while at the same time making these meetings of real and lasting benefit to the visitor, so that he returns to his home refreshed and inspired to surpass former undertakings.

The life and growth of any organization is the life and growth of its members and those who are destined to formulate and carry to success the future policies of the American Poultry Association are those fitted naturally for leadership, and having at heart a deep and abiding interest for the future of the poultry industry. The path to glory is no longer one of long-winded, flowery speech. Only he who serves the organization in a genuinely helpful and far-sighted manner can long survive. The idea of a chosen few being alone fitted to sway the multitude, with the ban of suspicion hurled at the new comer, savors of old-fogieism. "There are greater things in heaven and earth than we have dreamt of in our philosophy." Out of the depths of comparative unknownness (so far as the association is concerned) comes a man fitted through natural interest and through long years of preparation to accomplish the great task of getting out the first elementary school text book on poultry keeping. New names, strange voices, hitherto unknown leaders give new life and power to an association.

The individual who seeks an office merely for the prestige and fun he gets out of it, rather than the good he can do the association soon becomes a block to progress and it is only a question of time (fleeting time) when the blockade will be broken. The right men serving in the proper capacity can so simplify matters as to make a convention of men and women bent upon a common desire for the betterment of an industry, "a thing of beauty and a joy forever." It can do away with the long-winded discussions of matters about which the discussers know little. Small committees, wisely chosen, can do such work far better and with a neatness and dispatch unknown in a general convention debate. A discussion of the various Standard points of a breed or of the drawings of various breeds is decidedly another matter, since its educational value is easily apparent, especially with the method of licensing judges in operation at present. It is probable that the great majority of those in attendance at convention meetings are licensed judges and since the present method of granting licenses is a questionable one, these discussions as to the Standard points of the various breeds, give a better opportunity for enlightenment along this line than most judges could otherwise take advantage of.

There is, however, an endless amount of detail along other lines that could be more quickly and wisely disposed of by committees. Just as the immense traffic of our city streets blocks progress today, and must within a very few years be otherwise disposed of (underground or overhead), so must traffic matters of organizations. A convention of men and women gathered from widely separated communities can do better than be held up by such "traffic" blockades. Think of the educational lectures, moving picture demonstrations, social interchange of thought and ideas among those mutually interested, that we missed on account of matters brought up, that could have been much better taken care of by the "underground route." The organization to be, in aiming to benefit any industry will not be held up at every crossing, and slowed down to the creeping point between blocks by traffic matters that can be better and more swiftly cared for out of the way of the multitude.

The people convene for a purpose. They need the association with others engaged along similar lines of endeavor. They need the encouragement, the helpfulness, the environment of an enthusiastic, prosperous body of men and women convened for a common good—that of building up their particular industry. They do not want or benefit by discussions of personal differences.

The tax on all progress is inefficiency. Nearly everyone has to be supervised. He hasn't the ability, or the persistency, or the determination to keep things moving in the right direction unless someone stands over him. We have to pay for this in one way or another, either in dollars and cents, in time or extravagance, but we always pay. Those who can be trusted to work without a manager or a time clock, gradually get where they no longer contribute for the privilege of having a spotter to keep them on the job. These are the members of an association who can in time be trusted as committeemen to keep the "traffic" moving in the right direction but always "underground" and out of the way of the people in general.

There are usually a few disorganizers, in any organization, who object to any innovation or change in the matter of conducting association affairs—not from any logical reason but because they did not personally instigate it. They block the progress of an organization by not only failing to help it forward, but by actually hindering others from accomplishing anything. They greatly increase the running expenses in more ways than one—but principally by taking time, that should be devoted to more worth-while matters, for the sake of personal argument.

It should be the aim of the American Poultry Association to do away with this waste of time as it is a direct hindrance to its betterment. What we need in order to evolve a twentieth century organization destined to be of real and lasting benefit to the poultry industry, which means real and lasting benefit to humanity generally, is an organization whose management is in the hands of capable committeemen requiring little or no superintendence on the part of its members, its conventions being held primarily for the encouragement, inspiration and educational advantage of its members.

GETTING RID OF MITES

A very successful, practical and easy method of ridding a poultry house of mites is as follows: Shave one 10-cent cake of laundry soap into a pint of soft water; steep it until a paste is formed; stir in one pound commercial cresol, and beat or allow to stand until a paste is dissolved. Stir in one gallon of kerosene. Double the quantities if you wish. Cresol may be obtained from a druggist at about 30 cents per pound. Care should be taken not to get any on the hands and face. Apply the undiluted mixture to the interior walls and roof with a brush.

Although one of the smallest of the parasites which infest our poultry, the red mite, owing to its large numbers, is one of the most serious. This is especially true during the warm summer weather, under which conditions they multiply most rapidly. Dark, damp, dirty hen houses are especially favorable to their growth, and it is in houses of this sort that they are found in largest numbers.

Mites, like some of the larger "varmints" which prey upon fowls, do their evil work mostly at night. They crawl upon the hens while they are at roost and suck their blood. As soon as they are full they return to the cracks and crevices in and around the roosts. They are also found in large numbers in dirty nests, and are the direct cause of the death of many setting hens during the warmer months.

EDITORIAL

WE LEAD OTHERS FOLLOW

65,000 A. P. J.'s for September, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the September, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of August, 1914.
(Seal) HENRY G. EISERT,
Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

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Foreign, 1 year, $1.50; 3 years, $3.50.

Look at the address on your wrapper. See that it is absolutely correct and notify us of any mistake, no matter how slight. Note the expiration date which appears thereon, as American Poultry Journal stops with the issue marked on your wrapper.

If you change your address give both your old and new address as well as your subscription number when notifying us of the change.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry apphances in the country.

Our 46th Anniversary in January.

IN JANUARY American Poultry Journal will celebrate its 46th birthday. January 1, 1915, marks the beginning of the 46th volume of the "oldest and best" poultry journal and we intend to make the occasion a memorable one.

The January issue will be a special birthday edition printed on high grade heavy enamel book paper with a special cover to match. Artist Stahmer has prepared an attractive cover design in three colors to celebrate our anniversary.

The editorial staff is preparing a number of special articles that will make this birthday issue one of unusual and long to be remembered interest. There will be a number of unusually interesting articles giving the experiences of men and women who know how and who are doing things in the poultry world. We are planning for an edition of from ten to twenty thousand extra copies in addition to our big regular monthly edition and these extra copies will be circulated among live, wide-awake poultry keepers who are certain to join the big family of American Poultry Journal subscribers.

A special feature of this Anniversary number will be the absence of free reading notices. Following our motto of "We lead—others follow"—we believe that the time has come when these notices have ceased to be of any value to advertisers. The readers are fatigued with reading where this breeder or this manufacturer has the greatest fowls or goods on the market. They have come to consider it as "worthless" and do not read them any more.

In place of these free reading notices, we will publish high grade illustrations of poultry farms and appliances together with unretouched photos of fowls. In this way the buyer knows what he is getting and can learn more from one photo than he can from a page of reading notices. The picture tells the story at a glance and tells it truthfully, therefore we will cease publishing these readers.

If you have not already renewed or advanced your subscription, DO IT NOW and make sure of the 46th Anniversary Number. You will want it. It will be well worth while and it will be a magazine that you will desire to give a permanent place in your poultry library.

Line up now for the celebration of American Poultry Journal's 46th birthday.

Unretouched Poultry Portraits.

DURING the year to come American Poultry Journal intends to specialize in unretouched portraits of Standard-bred poultry. Our artist, L. A. Stahmer, has proved beyond doubt that beautiful and artistic illustrations can be made from actual portraits of thoroughbred fowl with no need for retouching.

Fowls can be pictured exactly as they are without any faking of the picture, and the illustration can do justice to the fowl, the variety and prove a credit to the breeder. Mr. Stahmer has been making fine pictures of some of the best Standard-bred birds produced in this country, that show the birds just as they are. The portraits are portraits and not idealized pictures that show the artist's skill in faking and retouching.

The very best pictures of real fowl that can be made will be used exclusively in American Poultry Journal this coming season. If you want to see what the show winners actually look like when on exhibition you will find what you want in A. P. J. illustrations.

At the present time much effort is being given toward securing the truth in advertising. We believe in and desire to encourage the truth in advertising and truthful advertisers. We believe that readers everywhere will welcome truthful portraits of thoroughbred poultry. Whenever you see under an illustration in A. P. J. the legend, "Engraving made from unretouched photograph A. P. J." you can feel certain that you are seeing a faithful representation of the bird as it actually is. We believe that the day of the retouched, faked and skillfully idealized poultry portraits has gone by and that fanciers everywhere will welcome truthful pictures. The place for idealized pictures of poultry is in the Standard where the fancier is given the portrait of an imaginary or supposedly ideal, 100 per cent perfect bird as a pattern to work by.

If you want the best truthful portraits of real birds just as they are you will find them in American Poultry Journal this coming season.

From a Woman's Viewpoint.

THROUGHOUT the United States and Canada there are a good many women engaged in poultry raising and many of these have proved themselves capable of breeding birds of very high quality in their particular varieties. They are fanciers in the truest sense of the word. In addition to these we find through all sections of the country both large and small commercial plants managed, and in many instances, operated by women. The number of failures in poultry culture under women's management is noticeably small. Women naturally give greater attention to detail, are less prone to give up, and from the fact of their being comparatively new in business, take a keener interest in making a success of their undertakings. In fact, there is every reason to believe that in the not far distant future, women will take the lead in the production of poultry—if they do not today.

In visiting fanciers in various sec-

tions of the country, we find that much of the detail in breeding high-class stock is left in many instances to the wife, that the careful attention given to pedigree or line breeding becomes her duty, and that preparation of show birds is performed under her supervision or by her personally.

On large and small commercial plants, it will be found that a goodly share of the detail is looked after by women. In the gathering, packing and marketing of eggs women have set a standard that many poultrymen have found difficult to live up to.

The American Poultry Association, as the official organization for the promotion and encouragement of all branches of poultry culture, welcomes both men and women members, though the actual number of the latter remains comparatively small. There is undoubtedly a wide field along this line to greatly increase the membership, and at the same time infuse new life into the organization. In former years, very few women joined the A. P. A., since it stood primarily as a man's organization. The letter from Mrs. Judy, veteran woman fancier, read before the convention in Chicago, proclaims woman's interest and enthusiasm in matters pertaining to poultry culture. Isn't it about time to extend the right hand of fellowship to women breeders and fanciers, making it felt that the American Poultry Association is an equally helpful organization for both sexes, in fact as well as in name?

———o———

"Better Late Than Never."

THE U. S. Department of Agriculture has recently promulgated an order that after May 1, 1916, it shall be unlawful for the label or container of any article of food or drugs to exhibit the now familiar legend, "Guaranteed under the Food and Drugs Act of June 30, 1906, Serial No. ———." Manufacturers whose guarantees are now on file with the department have been notified that said guarantees will be stricken from the files and their respective serial numbers canceled.

A most commendable amendment to the invaluable, though much misunderstood, numerously amended and variously interpreted pure food and drugs act of Roosevelt's administration.

An amendment that should have been enacted shortly after the original act became operative, for it was at once recognized that the requirement for the appearance of this "guarantee," accompanied by the serial number in the form prescribed by the act on all labels and packages, was an authorized misbranding to conform to the conditions of a law that makes "misbranding" a crime.

The department has never had to urge manufacturers of food or drugs to file their guarantees and secure their serial number, for they were quick to recognize the advertising value of what appeared to the general buying public to be the government's endorsement.

While it was far from the intent of the original act that this guarantee and serial number, as it has and now appears on food and drug products, should be construed to imply that the particular article of food or drugs has been examined, guaranteed and approved by the department, it has been too generally so construed by the buyer and ultimate consumer.

Naturally the manufacturer has made no strenuous efforts to remove this erroneous interpretation, but just why Washington has delayed over seven years to order the removal of this misleading and deceptive legend, those who know are not explaining.

The "guarantee" under the present provisions of the pure food law has no reference to the consumer; it simply guarantees the wholesaler, jobber and retailer that the manufacturer assumes all responsibility and liability in event any of their products are found misbranded or in any way amenable to prosecution under the law; the serial number is awarded for the purpose of identification.

In filing his "guarantee" with the department and applying for a serial number, the manufacturer makes affidavit that his product or products are not or will not be "misbranded" and will conform to all the requirements of the act, but he is not required to even name his product or products, much less furnish the department his formula or describe the constituents that go to make up his finished product.

But the filing of this affidavit and the printing on the label or package of the fact that it is guaranteed under serial number —— by no means exempts said manufacturer from prosecution for violation of the law—it only exempts the innocent (or culpable) wholesaler, jobber or retailer in whose hands the "guaranteed" but offending product is found. You cannot by law force men to be good or even honest.

Until we learn how to enact and enforce laws that render their violation unprofitable, there will be found those who will risk the possible penalty for the certain profit. Greed for gain is a moral astigmatism confined to no particular class or people.

Among other activities and accomplishments, Uncle Samuel is doing some pretty good work in chemical research and analysis and some day we anticipate that he will prohibit the exposure for sale of any article of food or drugs, exploited under a trade name that gives no indication of its constituent parts and their proportions, until said product, compound or mixture and formula be submitted to the proper department for examination and official approval of its recommended use. The public is not particularly concerned as upon whom the liability rests for violation of the Pure Food and Drugs Act, but they are vitally interested in getting what they pay for and imagine they are obtaining, instead of "something just as good" because it pays a larger profit. In these days of intensive competition, trade names are frequently a necessity and may become a valuable asset and as such worthy of protection. And no reputable manufacturer will exploit a product under a trade name that is a misnomer—but, unfortunately, there are others. The former invites and fears no "examination" and can well afford to reimburse Uncle Sam for the expense incurred.

It now costs the government thousands yearly to examine products they only suspect as being misbranded or as not conforming to all the present law's requirements. If a successful prosecution follows, the imposed fines may return the cost but if the product under suspicion proves to be O. K., there is no provision for giving the manufacturer redress in a clean bill of health.

Expert and skilled official investigation should not be limited to condemnation. Extend it to include, under proper restrictions and safeguards, examinations for approval and endorsement. Ped.

———o———

DR. WOODS' NOTES AND COMMENT.

You missed "the time of your life" if you failed to attend the American Poultry Association at Chicago.

San Francisco expects the next convention and should get it. Dr. Lively says the Panama-Pacific Exposition Poultry Show will be a big success and that the exposition is not going to be called off war or no war. Let's hope that we have World peace by then and that the war never reaches this side of the world.

Editor DePuy, of the Advocate, came to the convention in his auto and reports rough riding in Michigan. He says he has been getting his paper supply from Europe and the supply is shut off so that he must hustle for paper near home. Good time to patronize home industries.

W. Theo. Wittman, State Poultryman for Pennsylvania, is a strong and enthusiastic advocate of the Woods' open-front poultry house, doesn't believe in curtains of any kind in a poultry house in most severe winter weather, and says that nobody ever has found or ever will find any frosted combs in his poultry houses. He recommends putting glass on both sides of the window sash for the monitor-top and says that this will positively prevent any frosting of the glass in cold weather. He has tested the house inside and out and kept tab on it with a thermometer and says it is the warmest and most comfortable house for poultry in winter and the coolest and most comfortable house for poultry in summer. If we had known what Theo. Wittman had up his sleeve, we certainly should have steered Harold Nourse around to that institute meeting.

Missouri State Poultry Experiment Station, of Mountain Grove, is becoming quite an important factor in the poultry world these days. The "show me" state is certainly on the poultry map and it is largely due to Director Tom Quisenberry aided by his efficient corps of helpers. Missouri Station is certainly showing poultry people everywhere what effective and good work an independent state station can do when properly backed and managed, and not handicapped by the meddlesome control of a college faculty.

T. E. Quisenberry, his assistant C. T. Patterson, and the rest of the Missouri delegation must have gone home from the Chicago Convention well pleased with the result of their labors. It is no small honor to father the manuscript of the first real school text book on poultry to be officially adopted by the American Poultry Association. Missouri won enthusiastic recognition on the first real show down before the association.

It looks promising for the Market Poultry and Egg Standard and we feel a lively interest in the opportunity soon to come, we hope, of viewing the text.

The committee has carefully safeguarded the contents of this book for the protection of the copyright and until the book is published we can only surmise its contents. The enthusiasm and confidence of the members of the committee, however, regarding the book and their general statement concerning its contents, lead us to hope that the completed book will help to bring about conditions favorable to more and better market poultry and eggs. The fact that the members of the committee stood ready to buy and publish the book for themselves in case of its rejection by the association seems to indicate that the book will be worth while.

It was a happy thought that prompted the Chicago Poultry Society during the closing hour of the convention to present President Thompson and Secretary Campbell each with a gold badge patterned after the badges of bronze supplied to members attending the convention. Pres. Thompson's response was characteristic and to the point. It helped to make friends.

There was abundant good fellowship all through the week at Chicago. It made one proud to be identified, even in a small way, with the great and growing poultry industry. Wherever you meet them, poultry men and poultry women never fail to exhibit real friendship for fellow workers. We made a good many new friends and renewed old acquaintances and we hope we may be able to stand as high in their esteem as most of them do in ours.

With the dark and horrible war clouds now disrupting all Europe and most of the Eastern side of the World and civilization being pushed at least 100 years backward, it does one good to attend a meeting like that of the American Poultry Association at Hotel Sherman in Chicago, where, for the time being, the war was forgotten and wholesome work was done by deeply interested and earnest people for the betterment of one of the greatest utility and fancy producing interests of the present day. Let's hope that all Americans will continue to look ahead and look up and that none of us will turn backward. We all should lend our efforts to the keeping of the Great Peace throughout the Americas.

Did you ever stop to think what the war in Europe means to poultry interests over there and that the great bulk of eggs and birds, whether utility or fancy, are bound to be consumed for food purposes to help the hungry armies and the starving people? When the war is done the world will have to call on America for thoroughbred poultry.

IN FAVOR OF OPEN-FRONT HOUSES.

Editor American Poultry Journal:

I have followed with interest the discussion of open-front poultry houses by Dr. Woods and Editor Nourse of the Poultry Herald, more especially in relation to the merits of the Woods' open-front house.

I wish to give you my experience, which substantiates Dr. Woods' claims for his house. My open-front house is a different model and, as arranged by me, is even more open, considering difference in depth, than is Dr. Woods' house. The houses I use are the old-style, shed-roof, colony houses, 7 feet 6 inches high in front and 5 feet high in rear. I wish to call particular attention to the fact that these houses are only 10 feet deep.

I run the whole front of these houses open from the plates at roof to within 18 inches of the floor. In the rear there is a drop-slide 9 inches wide the whole length of the house close to plates near roof. This rear opening is open all the time except in very cold weather.

These houses are run wide open from about March 1st to December 1st, at which time I use a coarse burlap curtain in the lower section, put in at night. There is also the same kind of a curtain for the top section that fits like the top of a double window and can be pushed up to any desired height. This top curtain is never used except in very severe cold weather when the thermometer registers zero or below. At such times I push it into place and leave a space entirely open about a foot from the top. The curtain is never entirely closed.

My experience under these conditions, with thoroughbred Barred Plymouth Rocks, has surprised me. I have used houses of this type for five years and the results have been fine. Each year there has been improvement in the general health and vigor of my flock. Sickness of any kind is practically unknown among my birds. The egg yield has increased, there has been improvement in the fertility, the chicks are strong, hardy and very easy to raise, and there is very little loss between shell and maturity. For the past two seasons I have had no trouble in getting eggs in January that run 90 per cent fertile and February eggs give fine hatches. I have never used the Woods house, but from my experience with open poultry houses I am convinced that they are all right and that the Woods type house gives the birds more protection than my house does. I feel that I am doing remarkably well with my narrow open house.

It is contrary to general advice to run houses as wide open as I do and it has been claimed that the draft is liable to cause the birds to catch cold. Possibly that is so, but my birds are not affected by the drafts and do not catch cold, even when it is below zero. I take out the curtains in the morning and keep them out all day.

As to frosted combs, I have not had one on a female in three years, but occasionally have a male bird slightly touched. When this happens I grease him up with vaseline and he comes around all O. K. When I first used these houses I had plenty of frosted combs, but found the cause in oiled muslin that I used for the curtains. After substituting coarse burlap for the muslin the trouble righted itself, which shows plainly the need and value of abundant ventilation.

Extreme cold weather being supposed to be detrimental to large egg yield, I quote records made by two pens in February, 1914, which month was considered to be, and further verified by weather bureau records, the coldest we have had in 40 years. The two pens of 14 birds each produced an average of 20 eggs per bird in 28 days; several hens laying as many as 24 eggs in the 28 days, as I can vouch for by my trap-nest records. One year ago during the same month had two pens of ten birds



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each make an equally good record. I quote the February record because of the extreme cold weather. Not only February yield was good, but there was good egg production every month. Three pens containing 40 pullets made a record, showing an average of 218 eggs each for one full year ending October 31st.

I attribute the good health of my birds and the good egg yield largely to open-front housing, and would like to know if the people of the North and West can duplicate these results in the closed houses of the type advocated by Editor Nourse.

Just because the mercury doesn't hit the bottom of the thermometer here in the East and show 30 to 40 degrees below zero, the people in the Northwest may think our winters are not severe, but when the facts are considered and due allowance made I firmly believe that we in eastern Massachusetts have colder weather at times than that of the Northwest. Living as we do close to the ocean, the cold air is more damp and penetrating, and when zero is reached and the cutting-to-the-marrow air is with us, I believe it is harder on human beings and all animal life than the lower temperatures where the air is dry.

I would like to see more people using open-front poultry houses. Fresh air helps birds and gives the owners more eggs and healthier fowls. The fresh-air treatment of human beings and animals is no experiment, so why should some people be so skeptical of its merits? I know from experience the great benefits of fresh air and hope that American Poultry Journal will keep hammering away until every reader who keeps hens houses them in some kind of an open-front, fresh-air house.

Thomas M. Brennen.

East Walpole, Mass.

A NEW POULTRY ASSOCIATION.

Abington, Mass., is surely a wide-awake town when it comes to poultry. Visitors to that town have remarked this when they have attended poultry meetings there. Speakers rarely find so many or such interested hearers.

Inspired by a common need and purpose, a number of the residents of Abington, Mass., resolved last spring that they would organize a local poultry association. Articles of association were prepared, and a large number of persons affixed their signatures. A meeting of the subscribers was held in I. O. O. F. hall on the evening of April 15th, and organized by the adoption of a constitution and by-laws and the election of the following officers: President, Charles E. Allen; vice-president, John J. McCarthy; recording secretary, Leroy Grinnell; corresponding secretary, Edward C. Cushing; treasurer, Harry E. Pennington; executive committee, Chas. E. Allen, John J. McCarthy, Leroy Grinnell, Edward C. Cushing, Harry E. Pennington, Seth Curtis and Bernice V. Blanchard. The appointment of a membership committee was left with the president and recording secretary, who later appointed to this committee Jesse L. Staples and Albert C. Reed, both of Rockland; Elmer F. Benson, of Whitman; John F. Hollis, of North Abington, and Willis A. Calkins, of North Abington.

The first public meeting of the association was held on the evening of May 20th, and was addressed by Fred W. C. Almy, of Tiverton Four Corners, R. I., who gave an interesting account of his experiences as a poultryman and a description of his plant.

At the June meeting, held on the 18th, Senator Ezra W. Clark, of Brockton, described the manner in which laws are made by the general court. The bill passed by the last legislature, making poultry stealing a felony in Massachusetts, was discussed. The president, who spoke for the bill before the committee, told of its consideration by the committee on legal affairs. Representative Harold P. Guerney, of Whit-

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My same square deal policy is being perpetuated; a little more quality is being furnished for a given figure; a higher grade of stock has resulted from my past seasons matings than ever before; a higher quality, therefore, can and will be supplied during the approaching stock season. A pronounced and distinctly uniform type and color obtains in my better BUFFS, BLACKS and WHITES; the desired size and vigor is an exceptional feature with my line this year.

All this is a natural result of my 15 years of constant, persistent and consistent effort to improve the high standard of quality to meet the public demands of tomorrow instead of yesterday. Your best interests will be served on advance orders.

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1—Regal White Wyandottes being bred in a Northern Climate have always been noted for size, vigor, typical shape and silvery white plumage.

2—Eggs hatch phenomenally well and the big plump chicks grow like weeds.

My flock of one thousand January and February cockerels and pullets cannot be duplicated by any other breeder in America.

3—My eight years' record at the New York State Fair is forty-two blue ribbons out of a possible forthy-eight.

4—At the Boston Show, 1913, in the very home of the White Wyandotte, the Regals beat all previous records by winning best display with a score of seventy-two points which was twelve more than my twenty-one competitors combined.

5—As a heavy laying strain they can hold their own, one pen of nine females averaged last season 199½ eggs per hen and I have individual records sworn to by customers running as high as 235 eggs per year. Dorcas my foundation hen had a record of 241 eggs.

6—The Regals hold an unique position. They have all the utility qualitities which recommend them to a market poultryman while on top of all this they can go into the largest shows in America and win over the exclusive exhibition strains.

To quote Judge Drevenstedt, the greatest living authority on the Wyandotte: "Your birds have been bred to the Wyandotte type most consistently ever since I first handled and judged them at Toronto many years ago. They are true Wyandottes in shape and have the color to go with it." All over America my customers are winning the blue ribbons. Why not send me a trial order and become acquainted with AMERICA'S FINEST WHITE WYANDOTTES.

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man, described the passage of the bill through the House, and Senator Clark its passage through the Senate. The subject was one of intense interest to the large number present at the meeting.

Plans for the coming winter are well matured. Several interesting speakers have been secured. An interesting feature of the season's meetings will be the exhibition by members of the association of specimens of different breeds of poultry, and criticisms by competent judges, of which there are several in the membership of the association.

The association already numbers considerably more than 100 members, and the membership is expected to reach the 200 mark during the next few months.

The president of the association attended the poultry conventions in Amherst, Mass., and Storrs, Conn., in July, and will give the association the benefit of what he saw and heard at the next meeting in September.

Plans for a poultry show the coming fall or winter are under consideration by the executive committee. In this and in many other ways the association is expected to prove of great benefit to poultrymen in Abington and the surrounding towns. The membership already includes residents of Brockton, Bridgewater, East Bridgewater, Whitman, Rockland, Norwell and other places. All persons interested in poultry are eligible to membership in the association.

CONCRETE POULTRY HOUSES.

BY A. D. POWERS.

Do you remember how long we slept in wooden beds before we found out that iron beds were better? Our mothers and grandmothers fought bedbugs as poultry raisers fight mites and lice. It was a disgrace to be seen cleaning a bed of bedbugs, still the people who never cleaned most always had them. Then we got iron beds. I believe they originated in the jails and lunatic asylums; now everybody uses them.

We are told that mites and lice are the greatest problem the poultry man has to contend with. Why not have concrete chicken houses, walls, floor, roof, all made of concrete? Leave as many openings as your fancy dictates and cover them with screen wire or netting. True, a concrete house costs more, but it is worth more. It lasts always, can be cleaned with a hose and made perfectly sanitary. No rats, no cats, no "varmints" of any kind can get into a concrete chicken house.

If you want colony houses, you can make a set of knock-down and set-up molds and make as many houses as you want, all one size, all uniform. True, they are not portable, but why make them portable? You do not have to get away from rats nor move to fresh, sanitary grounds.

The Miller building, in which was located the offices of Poultry Life of America and the Belton Evening News, in Belton, Texas, was recently destroyed by fire. H. B. Savage, publisher of the two papers, has ordered new material and will get to going again in short order.



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Special summer discounts on old and young stock. Best values we have ever offered. Choice cocks, hens, cockerels and pullets bred from trapnested hens that lay more than 160 eggs a year. **Choice trios and pens** that have laying qualities bred in the bone, and that will also produce good exhibition birds. Ferris Leghorns have been trapnested for nearly 14 years, and will make the best possible foundation stock for egg production. We can furnish **pullets and hens in hundred or thousand lots** at very low prices. Whether you need only one bird or several hundred, it will pay you to get our prices and investigate the quality of our stock before you buy.

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Recent Inventions for Poultrymen

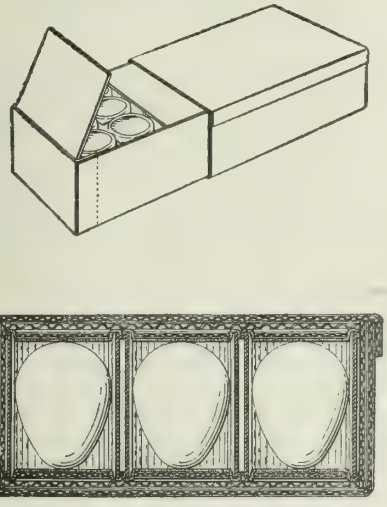
By Lester L. Sargent, Patent Attorney, Washington, D.C.

A Poultry House, invented by Andrew A. Kramer, Kansas City, Kansas, is designed to make the cleaning out of droppings easy of accomplishment. It has an inclined droppings board arranged beneath the roosts, with the lower end of the roost supported on the upper end of the droppings board, and the lower end of the latter terminating at a clean-out opening in the wall of the poultry house. Patent 1,104,197.

A roost and dropping-board for hen-houses devised by Eben Perkins, Bridgewater, Mass., permits of the exposure of the roost and droppings board outwardly of the hen house so that they may be readily cleaned and aired whenever required. The droppings board and back board which fits into an opening in the wall of the hen house are arranged at substantially a right angle to each other, secured together by braces. They are pivotally connected with the hen house, so that the droppings board may be swung up to the vertical position first occupied by the back board and the latter to a horizonal position for purposes of cleaning and airing. Patent 1,102,794.

A dropping-board cleaner for use with the fixed, horizontal dropping board of the ordinary hen house, has been patented by Joseph A. Conboie, Pittsburg, Cal. A reciprocally operable scraping and gathering device traveling between guides takes the place of the usual slow manual method of cleaning. The new device is operated by a cable-haul-and-return drum, guide pulley, and cable attached to the scraping device and to the drum, which is operated by a crank. Patent 1,102,005.

Robert O. Hammond has invented a new egg mailing case, the patent rights



Egg mailing case patented June 30, 1914, by Robert O. Hammond. Rights issued to Tywacana Farms Poultry Co., Farmingdale, N. Y. No. 1,102,191.

in which have issued to the Tywacana Farms Poultry Company, Farmingdale, New York. The eggs are contained within short upright tubes or cylinders of paper board, provided with cushioned top and bottom flaps, all mounted in a rectangular frame, which in turn is telescoped into an outer paper board box. Patent 1,102,191.

A new automatic poultry-feeder has been patented to William P. King, Syracuse, New York, who has acquired the patent rights from F. R. Parks, of Oswego, the inventor. The device has the usual bait pendulum which when the poultry pulls on the bait attached to it tilts a lever which in turn raises the stem of a valve by which the corn or grain is released from the feeder receptacle to the cone or bell which scatters the feed. Patent 1,104,701.

Carl C. Reis, Lima, Ohio, is the inventor of an egg-testing device which has been patented to the Reis Egg Candler Company, Lima, Ohio. It has a plurality of trays, arranged one above the other, each tray having semi-spherical openings to hold the eggs. An electric bulb or other convenient light may be passed between the trays, and the integrity of the eggs readily ascertained, without unnecessary handling of the eggs for candling. Patent 1,101,882.

A new incubator and brooder heated by hot water has been patented by William C. Fischer, of Phoenixville, Conn. What is claimed as novel is the combination in an incubator of a case, a heating device, a hot air chamber surrounding the heating device and completely shut off from it, means for supplying air to the hot air chamber, means for conducting air from

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Fine Duston Line

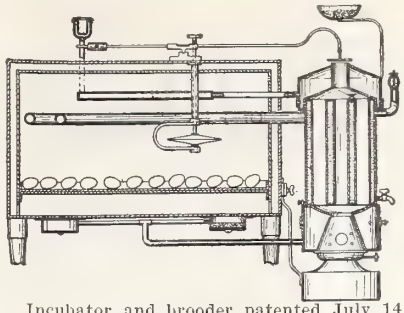
Barred Rocks
Bradley's Line

Single Comb Reds
Tompkins'

Fine show and breeding stock of all above breeds. Be sure and send for catalogue.

W. W. KULP Box 70 Pottstown, Pa.

the chamber to the interior of the case, a boiler separately formed from the hot air chamber and removably resting thereon and having flues to conduct the heat from the heating device and

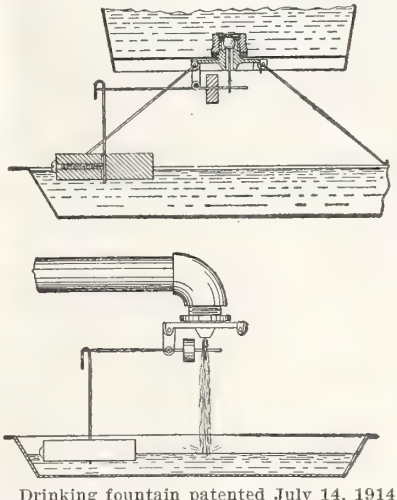


Incubator and brooder patented July 14, 1914, by William C. Fischer, Phoenixville, Conn. No. 1,103,189.

a coil extending from the boiler to the interior of the case. Patent 1,103,189.

A thermo poultry fountain, the invention of William H. Cotton, Salem, New York, employs an inner casing which is the receptacle for the water and an outer casing, with a dead air space between the casings. This construction serves to keep the water at a fixed temperature for a much longer time than the ordinary fountain. Patent 1,102,572.

An automatically controlled poultry drinking fountain having an interesting construction has been devised by Jesse J. Hasty, Seattle, Wash. The



Drinking fountain patented July 14, 1914, by Jesse J. Hasty, Seattle, Wash. No. 1,103,413.

water for the poultry is contained in a pan in which is a float. The float is attached to a pivoted rod or lever counterbalanced by a weight and adapted to raise a rod attached to a ball valve and thus open a source of water supply (which may be either a pipe or a larger receptacle), whenever the float in the pan of water below settles sufficiently to operate the device. Patent 1,103,413.



ORPINGTONS BUFF AND WHITE
SILVER CAMPINES

A fine lot of yearling exhibition and breeding birds. Also youngsters at very reasonable prices. Catalog free; write

C. A. KEEFER, (AJ5) Muskegon, Mich.

Big book ad on page 1127

S. C. BROWN LEGHORNS

Can supply you with choice young stock for early shows reasonable, from my famous "Ever-Lay" strain, line bred for years; persistent winners at all America's leading shows.

H. V. Tormohlen Box 2 Portland, Ind.

Clemans' Columbian Rocks

THE ORIGINAL BIG-BONED TRUE ROCK TYPE

F. M. CLEMANS, Mechanicsburg, Ohio

100 year-old S. C. White Leghorn Hens

at a bargain if taken quick.

20th CENTURY HATCHERY, Chatfield, O.

200 Egg March and April pedigree pullets, $1.50 up; ckls., hens and cocks for sale to breed and win. Rocks—Black, Buff and White, Reds, Wyandottes, Orpingtons, Leghorns. **SUNNYSIDE POULTRY FARM, Box 1002, Bristol, Vt.**



S. C. White Leghorns—**Yesterlaid** Strain. Bought by 20 Exp. Stations. Pullets lay at 4½ months. Breeding Stock Eggs. Prices reasonable. Our methods bring success. Write for details.

Yesterlaid Egg Farm Co., Dept. 5, Pacific, Mo.

Our English Strain PAYS DIVIDENDS

S. C. WHITE LEGHORNS BUFF ORPINGTONS
WHITE WYANDOTTES S. C. R. I. REDS

Breeding Hens and Early-Hatched Cockerels



Splendid, sturdy stock from champion egg-layers. Winners in 1913 N. A. and Mo. contests—leading in current contests. Buy to advantage—now! Booklet tells all about the most profitable poultry in America.

PENNA. POULTRY FARM
2022 Pearl St. Lancaster, Pa.

First Prize Buffalo 1911



First Prize Boston 1909

Are You Looking For "Tip Toe" White Leghorns?

BY "Tip Toe," I mean my highest grade birds—the kind that have been walking off with so many of the ribbons.

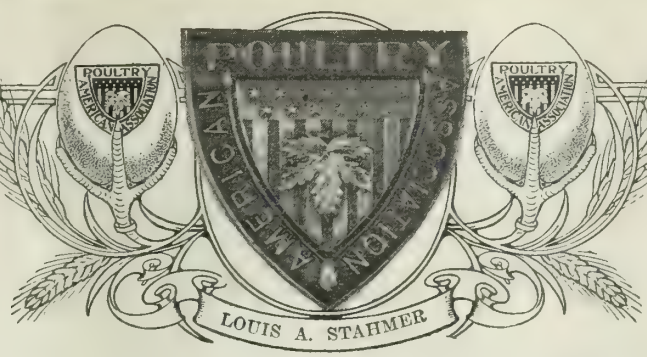
Yesterday and today I went carefully—very carefully—over my entire flock and lined them up. I am very much gratified with the result. Never have my birds been better conditioned, or quite so promising. A goodly number have the points that delight the exacting buyer who really knows White Leghorns.

Do you want some of my birds this year? Birds of the pure blooded Fiske Strain that carried off more prizes in the shows, both big and little, than any other entered last season.

Do you want some of these dependable birds from the utility ones up?

HARLO J. FISKE
WHITE LEGHORN FARMS
891 F Westfield St., W. Springfield, Mass.

Convention Crows and Cackles



Our motto we will—we did.

About the classiest convention we have ever attended is the Universal verdict. Nearly every state in the Union was represented and close to 540 registered during the week.

As far as entertainment goes the Chicago Convention had every other one backed off the map. The ladies especially had more fun and enjoyment than they ever did before. The reception Tuesday evening was without any doubt the best ever staged anywhere, and was voted a success from start to finish. The stag smoker for men Wednesday night will long be remembered.

Edwards' Rooster parade Monday afternoon escorting President Thompson from the Illinois Central Depot to the Hotel was the talk of the town.

Best looking crowd of women we have had here this summer, was the remark made by one of the Hotel Sherman force.

"Convention Cackles," the paper published daily during the Convention by the Chicago Poultry Society, made a great hit. "Hale's Henographs," "Joos' Joshings," "Fresh from the Nest," "Fresh Goods from Nearby Henneries," "Strictly Fresh Gathered Daily," quoted each day the doings on the Convention floor also what the members did after the convention.

Just because the Federal League has reduced the price of admission to its grounds is no criterion why "Two Franks" is sufficient for the admittance of the Campines to the Mediterranean class.

Leghorn breeders frankly state that these Belgian intruders are entirely too frank to travel in major league company and they should be put where they belong, the Belgian or Dutch International League, or made over into "Hamburgers."

A little thing like appendicitis does not affect Fred Harrison very much, and as his business in Reds is very good he doesn't give a continental how long the scrap lasts in the old country.

Harry Collier made a four-base hit yesterday when he suggested to ram the license down the throat of every dissatisfied poultry judge who is a fault finder with the American Poultry Association.

Dr. H. Perrique Clarke came in yesterday from Indianapolis and will, as usual, fight for the admission of thoroughbred games to the Standard. Keep it up, Doc; you'll get 'em yet.

We have often heard of E. C. Branch's ability as a past master of the Terpsichorean art but he put over a new one on the boat for the dance which he was doing looked like a cross between the tango and the Missouri hen flip.

Hats off to Vice-President Peters. The way he has presided at the convention has been a credit to himself, the association and the great city of Denver.

We certainly have to hand it to Grant M. Curtis, the way he lambasted the knockers of the association should forever shut them up. He used his words with telling effect and had the audience with him from start to finish.

Our new card looks pretty nifty we think, and we will try our best to make good with the new handle.

Our friend, John Martin, came in from Port Dover yesterday and gave us a royal entertainment at the stag. As a piano player John belongs in the major league and is a star of the first magnitude. There is an old saying that art and music go together, and this ex-

S. C. Red "Aristocrats" await you, bred from my MADISON SQUARE GARDEN BLUE RIBBON WINNERS. Wonders for color and type.
IRA M. CROWTHER, Box A, Willoughby, Ohio

SINGLE COMB STERLING STRAIN ROSE COMB

RHODE ISLAND REDS
Grand Special Sale

300 choice hens, $1.50 each and up. Cocks, $3 and $5. 1000 grand youngsters forming into great style. Book orders now. All stock bred for heavy egg production. John Bressler, Prop. Harry B. Bressler, Mgr. STERLING POULTRY FARM, Box A, STERLING, ILL.

Madison Square Garden, New York, Champion **White Plymouth Rocks**

Grand exhibition birds ready to win for you at late fairs and early winter shows. My birds have a record that is unbeatable. They have proven their quality and won highest awards and honors over all. **Remember this Champion Line** made its best records at America's Greatest Show, **Madison Sq. Garden, N. Y. They are now better than ever.** We have a great line of stock to select and fill orders with. They have the best of breeding quality and will give absolute satisfaction, also have some excellent utility stock for sale at reasonable prices. Write for my **Special Sales List of Stock.**

WEBSTER FARM Box A GIRARD, PENN.

LICHTENWALTER'S QUALITY **Buff Plymouth Rocks**

For years they have won at the prominent shows, East and West, more prizes than any other line. They have the quality to win and to breed winners. Let me know your wants—I can please you in show birds or utility stock. Circular for the asking.

E. A. LICHTENWALTER Box A GIRARD, PENN.

plains why his White Wyandottes are serving as models in many a fancier's yard.

The only one that's missing is the Major from Welland, Ontario, Canada. We don't know the reason why he is not here unless it is that he has to join the English army and serve as backstop in the big game now going on on the other side.

Martin Schultes is pulling off some very clever advertising for the Tristate Fair at Memphis. He is a hustler and is going after the business in great shape, and we predict a very large entry from all over the country, as the show is considered an excellent one from the advertising standpoint.

The Ancona breeders have sicced "Ancona Emch" on me to look after their end of the Standard. They certainly picked out the right kind of a fellow, and there is no doubt that he will get what the breeders want for them. Mr. Emch is particularly qualified for this kind of work, "to get what he wants when he wants it," for he is alderman of Toledo and is making some of the big fellows over there dance to his music. There is another good thing about him, and that is that he is fighting for the Kaiser.

The first impressions of Theo. Wittman would make one almost believe that he was a man of the gospel, no matter from what side you look at him—port, star or larboard. We heard him speak at the Y. M. C. A. yesterday for the first time, but say, boys, he can certainly deliver the goods when it comes to talk about chickens.

Things are beginning to warm up, and we predict that when these high-powered six-cylinder self-starting open-muffler gas machines get started we 'uns who own fords (note small letter) won't have much of a show and the race will result in a dead heat between two of the big ones.

By special request of Mr. Lemieux the quartet sang No. 47—"I Love the Ladies"—for the benefit of Hank Schwab and Frank Platt, and they made yours truly sit down to the tune of "Sit Down, You're Rocking the Boat" (very appropriate, too).

If the Russians win the war and it becomes the fashion over here for men to wear whiskers like they do over in Russia, wouldn't Reese Hicks look swell with a full set of Russian soupstrainers?

The Germans are getting reinforcements; Harry Wolsieffer is here.

Wonder if the Pilsener and Wurtzburger will hold out.

Maurice Delano told me a good one yesterday. He said that over in Vineyard Haven so many French, German and English shells sailed through the air that the natives have devoloped into first class baseball catchers and some of them can hold a 14-inch shell without mitt, chest protector and mask. If the war ever breaks out between the United States and Mexico all the government would have to do is to

Silver Campines

AMERICAN BEAUTY STRAIN

I now have cockerels and pullets in prime condition for showing. They have that rich green sheen and bright, clean cut ringlet barring that everyone is trying to produce. My birds are the thoroughly cultivated product of Crystal Palace winners and won at leading shows last season. This season's crop of chicks is a wonderful advance over last season's, and will be sold at the following prices. Choice Breeders, $3 each; Extra High Class Breeders, $5 each; Exhibition Birds, $10 and $15 each. Circular free.

CHAS. A. SIMMONDS, Camp Point, Ill.

Halbach's White Plymouth Rocks

Won the most decisive victory at the greatest of all shows—The Coliseum Show, Chicago, December 1913

1-2-3-4 Cock	**1-2-3-4 Hen**
1-2-3-4 Cockerel	**1-2-4 Pullet**
1-2-3 Old Pen	**1-2-3 Young Pen**

Unapproached by any breeder of any popular variety. This was the fifth time winning BEST DISPLAY. Another World's Record. Hundreds of fine cockerels and pullets that will help you win. Besides this, the cocks and hens I have cannot be duplicated. They are SUPERB in shape, WONDERFUL in color, OUTSTANDING in style and size. In fact, in both old and young stock I can furnish you with the most quality for the money you invest. I can help you; write me your wants.

Grand 32-page catalog with helpful articles and fine pictures sent on receipt of 20 cents.

H. W. HALBACH **Route 1** **WATERFORD, WIS.**



"Pittsburgh Perfect" Fences are now made of GENUINE DOUBLE GALVANIZED WIRE

The latest and greatest of all improvements we have ever made on the original "Pittsburgh Perfect" Fencing, ALL JOINTS WELDED BY ELECTRICITY, is our new and exclusive method of DOUBLE GALVANIZING FENCE WIRE, which *adds years of life to "Pittsburgh Perfect" Fences* over any fence you have been able to obtain before now. The present-day

"PITTSBURGH PERFECT" POULTRY AND GARDEN FENCES

and FIELD, FARM, RANCH and LAWN FENCES

now last twice as long as ordinary wire fencing, as we have *proved* by innumerable scientific tests extending over many months. The special-formula Open Hearth wire we use takes the proper heat treatment and allows the pure zinc galvanizing to penetrate deeply into the fibre of the wire, leaving a heavy, even layer of zinc on the surface which won't crack, flake, chip or peel off.

Sold by Dealers Everywhere under this Unconditional Guarantee:

WE ABSOLUTELY GUARANTEE "PITTSBURGH PERFECT" FENCING TO BE IN EVERY RESPECT EXACTLY AS WE REPRESENT IT.

Our new catalogue, just off the press, is full of fence information; you need it, whether you want to buy fence now, or will later on. **Ask for Catalogue No. P 39** **Address Nearest Office.**

PITTSBURGH STEEL COMPANY, Pittsburgh, Pa.

NEW YORK CHICAGO DULUTH ST. LOUIS MEMPHIS DALLAS

Manufacturers of "Pittsburgh Perfect" Brands of Open Hearth Steel and Wire Products, made entirely in our own Furnaces and Mills from the Ore in our Mines to the Finished Material.

THE WELD THAT HELD — TRADE MARK — REGISTERED

Write for this NEW CATALOGUE today!

engage these natives and put one on each battleship to catch the shells fired by the enemy. (I have read so much about the climate of Massachusetts being "brite and fair,"* otherwise I would be under the impression that the heat down there was something terrific and that this was the reason for Mr. Delano's absurd statement. I believe every word he says.)

In Iowa where they raise hay,
Corn, Oats and other truck
There lives a well-known Poultry man
Who is noted for his pluck;
His Pen is mightier than the sword,
His voice and actions strong—
For poultry and its Progress
He lifts his voice in song.
His neighbors call him Richards,
We all know him as "Dick,"
As A. P. A. next president
We think he'd be our pick. (L.A.S.)

When a poultryman wins at a great big show he is all full of glimmer and glammer but just let him lose and those who now shake his mitt will get out their hammer and hammer.

Since viewing the deplumed poultry advocate performing their ablutions at Wilson Beach a few days ago, we have come to the conclusion that the so-called "Divine human form" has sadly degenerated in "Symmetry" (Dad Hewes please notice) since the creator of Apollo Belvidere set the Standard of Perfection many years ago.

Good Bye.

Good bye, dear friends, we're glad you came,
We hope you liked our town—
We tried our best to entertain
And show you all around.
When in the future memories
Drift back to bygone days,
We hope that this convention
Is still sending our bright rays.


1st Cockerel, Madison Square Garden, 1913


Head of 1st Pen Philadelphia

Summer Sale of Rancocas Stock

Rancocas have in their breeding yard over sixty birds that have won at such shows as Madison Square Garden and Palace Show, New York City, New York State Fair, New Jersey State Fair, Boston, Philadelphia and Hagerstown. We have hundreds of early chicks bred from them that are coming on splendidly. We propose for the first time in the history of the farm, to hold a summer sale, and to offer at reduced prices some of our record birds, together with 200 other choice specimens.

This will be an unusual opportunity to secure White Leghorns and White Rocks that have won national fame. The sale will include White Leghorn males that have won as follows: First Cock at Philadelphia, 1912; First Pen Male at Philadelphia, 1911; First Pen Male at Boston, 1913; First Pen Male at Madison Square Garden, 1910; and such famous White Rock males as Second White Rock Cockerel, Boston, 1913; Third Cockerel at Madison Square Garden, 1913; Fourth Cockerel at Madison Square Garden, 1913, and Fourth Pen Male at Boston, 1913. This sale will include many other record birds and choice breeders. Write for our summer sale catalog.

RANCOCAS POULTRY FARMS
Box 510 Brown's Mills, N. J.

PARMENTER'S
Single Comb Wh. Leghorns
BAGK HOME AGAIN

You remember my GREAT SENSATIONAL WIN at CHICAGO COLISEUM SHOW, DEC., 1913, which included Five Blues, Four Specials and Cup for Display. These birds and many of their offspring are in my yards. Inquiries cheerfully answered. Get in touch with me early.

Robt. D. Parmenter - Box H, Knoxville, Illinois

Buff Cockerels **ORPINGTONS** **White Cockerels**

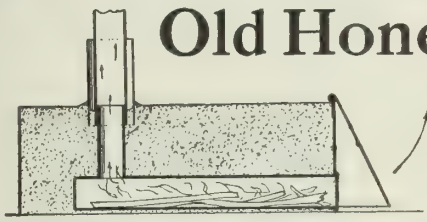


Quality the best I ever produced. 400 young birds approaching maturity. Many up to standard weights, ready for the show room. Buffs with wonderful rich exhibition color. Whites hard to beat. Let me send you one upon approval. I will guarantee to satisfy you.

200 White Orpington Hens Some could win almost anywhere. All will improve your breeding lines. Your requirements is all I want; I will do the rest. Get in correspondence with me before you place your order.

WILL H. SCHADT Box B GOSHEN, INDIANA

Old Honesty Heaters

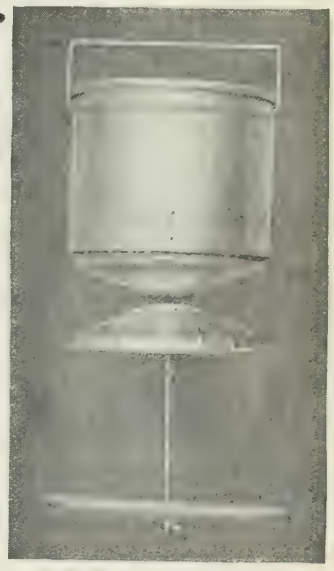


for sale. Something new. Just what poultrymen need. Very economical and a heater that pays to have. They are fine to raise chicks; also for grown stock. Call for free catalogue.

Old Honesty Heater Co.
New Washington - - Ohio

$1 A Dollar Bill $1

Brings This Quarter-Bushel Feeder to You!



Since automatic poultry feeders were first introduced there has been a crying demand for a high-class feeder at a low price.

Realizing this, we have for the past year been perfecting a feeder that embodies all that any other feeder does and just a little bit more.

We have tested it and in each and every case it was pronounced perfect—not one single fault could be found—therefore we have given it the title of the

SIMPLEX Faultless Feeder

The Feeder Without a Fault

Patent Applied For

This feeder will not clog—the wind cannot operate it—it insures proper feeding—decreases feed bills and increases egg production. Bait bar operates rotary, thus scattering the feed thoroughly. Feeds anything from whole corn to millet seed. Made of best grade of galvanized iron—no parts to break, become loosened or get out of order, there being not one particle of solder used throughout its entire construction.

Read This Guarantee—Then Order

If you are not entirely satisfied with this feeder you may return it any time within 30 days and we will refund your money.

THIS FEEDER IS MADE IN THREE SIZES

Quarter-Bushel, $1.00 Half-Bushel, $1.50 One-Bushel, $2.00

WE STRIVE TO DO THE IMPOSSIBLE—PLEASE EVERYONE

SIMPLEX SUPPLY HOUSE, Pontiax Bldg., CHICAGO, ILL.

This is just one of our many poultry appliances. Send for complete catalog. We save you money.

Womans Success With Poultry

Helen F. Woods, Editor

A Department for the Exchange of Helpful Poultry Experiences



AN AMATEUR'S EXPERIENCE WITH POULTRY.

By Mrs. S. C. Price.

NOTHING looks easier to the average city dweller than poultry keeping and gardening. With a plot of land at his disposal, the world is his. However, a great many look upon the matter from a changed viewpoint after a try at it. Not so the writer.

Be it known, gentle reader, we were city dwellers, and the lure of fresh-laid eggs and spring chicken in the back lot kept up for months wandering about the suburbs of Chicago in search of a vine-clad cottage and a patch of green where we could engage in the billion-dollar industry. My husband retired from business and wanted to enjoy country living, and I had lately become fairly consumed with a desire to raise chickens, though never having fed one or had one in my hand up to that time.

We found our garden spot eleven miles from Chicago, and after getting the poultry house in proper shape we bought one hundred laying hens and were some surprised later to find that they were not all laying! We then ordered two hundred day-old chicks to arrive ten days later, and purchased two brooders for them. Before this I had subscribed for five poultry journals and was reading them until midnight more interestedly than I should have the latest best seller. It was indeed surprising what a lot of knowledge I lacked regarding this business which had appeared such an easy matter from casual observation.

Before the chicks arrived I had learned that they needed warmth—but, to my surprise, not food. This seemed almost too much to make those fluffy baby chicks wait twenty-four hours after their arrival before giving them an opportunity to breakfast—but I waited, feeling at the time that the responsibility of the universe rested upon my shoulders. For the first few days I devoted plenty of time to getting the chicks accustomed to their quarters, allowing them out on a grass run frequently and getting them back under the cozy hover when they showed the slightest signs of chilliness. They were fed frequently on the regulation diet of hard-boiled eggs, crushed fine, shell and all, and a good, clean, fresh chick food, with water before them at all times. After the first few days the chicks had learned the lay of the land and knew just where to find anything they wanted—warmth, light, air, food, greens, water, grit, and caring for those chicks became simply a matter of moving and cleaning the brooders frequently, and supplying the food and water, both of which were kept before

BLACK ORPINGTONS THE BIG, BLOCKY KIND
A FEW FEMALES FOR SALE AND SOME FINE YOUNG STOCK AFTER SEPTEMBER 1st.
SYLVESTER THOS. McCABE 535 W. 4th Avenue COLUMBUS, OHIO

S. C. Rhode Island Reds THE GENUINE RED RAVEN STRAIN
Our pens contain some of the best Reds exhibited; winners at the great shows— New York, Boston and Chicago. Hens and pullets, $1.50, $2.00 and $3.00. Special prices on 12 or more. Cockerels, $2.00, $5.00, $10.00. Send for catalog.
BRIDGWATER POULTRY FARM Geo. Demlow, Prop. LIBERTYVILLE, ILL.

"SENSATION"
and RED PRINCE Strains of Rose and Single Comb Reds
Winners of 186 prizes at New York, Boston and Providence, since December, 1909; including 31 firsts, $50 cup for Display, Boston, 1912; Display New York, 1912-13, and State Cup for Display for six successive years at Providence, R. I.
SHOW BIRDS fit to win anywhere. Book orders at once and get first choice. BARGAINS in breeding stock after August 1st. EGGS at all seasons. Stamp for Mating and Price List.
RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 100, Tiverton 4 Corners, R. I.

White Orpingtons *Superb Type and Superior Quality*

January and February Hatched Youngsters for Sale

Never have I had young chicks prove more completely the claim made for them regarding TYPE and QUALITY than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in January, February and March. As it is possible to detect any minor faults in birds after they are eight weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced. These are ready for delivery now—large, vigorous, massive birds raised on acres of blue grass sod.

Older Stock at Bargain Prices

Due to the fact that I must make ready for this younger stock, it will be necessary to dispose of a number of hens and cocks on the breaking up of my breeding pens the first of June. These, of course, must go at attractive prices; and here is an opportunity to get some foundation stock, the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000 acre Elmendorf Farm. An extra fine lot of young Duroc-Jersey pigs for sale.

RUSSELL CAVE POULTRY FARM
ELMENDORF STOCK FARM
LOUIS LEE HAGGIN, Prop.
R.R. 3, Box 1025, LEXINGTON, KY

them all the time. A little later, a good dry mash mixture was kept before them constantly in long troughs made for the purpose. There were also boxes for charcoal and grit and every day I dug fresh sods of earth, giving them all available worms. At such times there was always an immense amount of excitement and scrambling which lasted until the last worm had been duly torn to shreds and entirely consumed.

Every few days I gave them a treat of boiled rice, also chopped dandelion greens, lettuce and Swiss chard or any other greens or suitable table waste that we happened to have. They were supplied with a good grass run, and it was some surprise to me to find what a stretch of land two hundred chicks require in order to keep the grass growing. We found the run had to be constantly enlarged or moved frequently or the chicks would be on the hard brown earth without greens other than those carried to them. I have also found that a spaded-up patch of earth in the run is just as necessary as the grass plot, with perhaps a little in favor of the spaded plot, since the chicks seem to scratch and pick some very choice tidbits from early in the morning until nightfall where they have been provided with this treat.

As our flock developed we placed their coops in the orchard and they were thus able to do a clever stunt in the bug and worm business all summer. And they grew apace. Whenever I noticed a chick that did not look just normal or happy, I placed it in a box by itself in a soft, clean blanket as one would a sick or tired child, and we fed it sparingly until it could again take its place with the others. Of the two hundred I lost but eight, the others growing into fine, healthy birds. The losses were caused mostly by my zeal in providing them with a surprise in the way of a tasty concoction of boiled cornmeal, which they ate very greedily, and which I fed again until some of them began to droop and die. After thinking the matter over, common sense told me that feeding heavily on cooked cornmeal in hot weather would make almost anything droop and die.

My first experience had proved to be such pleasant work, constant pleasure and pronounced success that I ordered one hundred more day-old chicks, putting fifty in a brooder, since the weather was then much warmer. I received one hundred and two chicks in this order, and after about a month now have just one hundred fine growing youngsters. The two hundred and ninety-two chicks are now comfortably housed in four open-front coops with southern exposure, in the orchard, but most of them prefer roosting in the trees. They are a healthy, happy lot and their next move is to be placed, after due selection, in the eighty-foot poultry house in the rear, where I expect to pick up during the coming winter really, truly "day-laid" eggs.

NATIONAL EGG LAYING CONTEST FOR JULY.

The ten leading pens in this experiment are as follows:

Pen.	Eggs.
0. S. C. White Leghorns, England	1,772
47. S. C. Reds, Missouri	1,523
18. White Wyandottes, Pennsylvania	1,439
9. S. C. White Leghorns, Pennsylvania	1427
24. White Wyandottes, England	1,356
59. Barred Plymouth Rocks, Ohio	1,342
53. Barred Plymouth Rocks, Illinois	1,341
51. White Plymouth Rocks, Arkansas	1,338
44. S. C. Black Minorcas, Missouri	1,331
48. S. C. Black Minorcas, Missouri	1,317

The highest hens in this section of the contest are five English hens each having a record of from 178 to 194 eggs. Also a Barred Plymouth Rock from Iowa has 178 eggs to her credit. This hen is one owned by an Iowa breeder who has had pens in our contests for the past three years. The first year his birds made practically a complete failure. The next year they improved considerably, and this year he has made marked improvement. This pen will have some birds which will go far over two hundred eggs. So much to the credit of egg-laying contests.

National White Leghorn Contest.

The hens in this experiment have made rapid advancement in the last few months. They are laying and adding to their records, while many other pens are broody. The ten highest pens in this contest are as follows:

Pen.	Eggs.
79. S. C. White Leghorns, Pennsyvania	1,527
65. S. C. White Leghorns, Missouri	1,516
70. S. C. White Leghorns, Missouri	1,453
61. S. C. White Leghorns, Nebraska	1,372
69. S. C. White Leghorns, Kentucky	1,342
77. S. C. White Leghorns, Vancouver Island	1,338
72. S. C. White Leghorns, Iowa	1,332
80. S. C. White Leghorns, Missouri	1,283
71. S. C. White Leghorns, Missouri	1,273
67. S. C. White Leghorns, Missouri	1,262

The highest records made by individual hens in this experiment were made by hens No. 611 from Nebraska with 190 eggs, and 653 from Missouri with 190 eggs, these two hens tying for second place in the entire flock of 1,040 hens.

National Utility Contest.

In this test, the Barred Plymouth Rocks are in the lead. The ten highest pens rank as follows:

Pen.	Eggs.
86. Barred Plymouth Rocks, Michigan	1,253
92. S. C. Reds, Pennsylvania	1,223
85. Barred Plymouth Rocks, Texas	1,191
94. S. C. Reds, Ohio	1,156
99. White Wyandottes, Arkansas	1,042
97. White Wyandottes, Texas	1,035
93. S. C. Reds, New York	1,003
84. Barred Plymouth Rocks, Missouri	947
87. Barred Plymouth Rocks, Missouri	914
88. White Orpingtons, Kentucky	904

4S STRAIN **Light Brahmas**

Quality stock to select from. Won First Pen Madison Sq. Garden.

E. J. STROUD - Fordham Farm - BELMAR, N. J.

"Premier"

PARTRIDGE WYANDOTTES

Unexcelled for Beauty and Utility

Awarded more First Prizes than any other strain of this variety in America. With "Premier" Partridge Wyandottes you can **win in strongest competition.** They are the standard by which others are judged. **In the lead as a general purpose fowl,** hardy, quick to mature, fine Winter layers. Attractive prices on high class birds. Illustrated circular on request.

SHEFFIELD FARM H. B. HARK Mgr. Poultry Department **GLENDALE, O.**

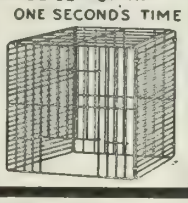
MOE'S EXHIBITION POULTRY COOPS

MADE COLLAPSIBLE FOR EASY HANDLING



Birds Do Not Show Their Good Points in a Poorly Constructed Coop Moe's new exhibition coop, made of the best galvanized steel wire and sheet meta electrically welded, are the most attract ive and best value on the market today They contain no clips or projecting bolt to break the feathers of the fowl. Th doors are large, making it easy to remov the birds or replace them. Each coop contains two attachments for feeding and drinking cups. Made in two styles, one with sheet metal sides to meet the demand of those who prefer solid partitions and of all wire as shown in the above cut. No. 46—All Wire Coop, 24x24x27 in. high, $1.75. No. 47—With Sheet Metal Sides, 24x24x27 in. high, $1.75. No. 48—For Bantams and Pigeons, 16x16x18 in. high, $1.25. All of the above are collapsible and packed six to the crate

CAN BE SET UP IN ONE SECOND'S TIME



OTIS & MOE MFG. CO. 2011 Otis Bldg., CHICAGO, ILL.

***Licene* Means**

Guaranteed Lice Exterminator

HAS NO EQUAL FOR SCALY LEGS

APPLIED TWICE A YEAR

Used on Many Large Farms and Universities

Sold on its merits **Money refunded if not satisfactory**

Mr. E. B. Thompson, President of the American Poultry Association, says: "I have tried Licene with the best of results; it is a most excellent preventive of lice and a quick and rapid exterminator. Licene should have a great sale to poultrymen who must appreciate its value after being tried. (Signed) E. B. THOMPSON.

CIRCULAR FREE **Price 50c per tube, enough for 200 birds, postpaid** AGENTS WANTED

THE LICENE CO., 1500 Pontiac Bldg., Chicago, Ill.



Well done, Chicago Poultry Society, your arrangements and entertainments were grand and most complete.

* * *

President James W. Ball, ably assisted by Ted Hale, John Brinkama, Henry Eisert, L. A. Stahmer and Messrs. Dietz, Whitney, Lemieux, etc., kept things moving in the usual western manner.

* * *

Mr. Stay-a-way, you were wrong, the weather was just ideal.

* * *

The registry books show just 547 names recorded.

* * *

Revision was completed and a new constitution was adopted. There were some "crossings" but the flyer went through full speed ahead.

* * *

There was a noticeable under-current of adverse feeling displayed throughout the meeting and several times came near exploding. The "Cross of Gold" methods have seen their best days.

* * *

We believe in peace and harmony and hope sane ideas will prevail. Generally speaking we think some advancement has been made and we will still hope for the future.

* * *

The license judge question is no better today than ever. It now has new symptoms which, added to its other complications, makes it a very sick case to handle.

* * *

Forcing the employment of licensed judges upon all associations wishing the A. P. A. specials is rank injustice. We believe that the associations, its officers and members who have to pay the bills and who give their time, work and money for a successful show should have the full privilege to employ the judges they may wish.

* * *

We have a general license, so please don't consider us a knocker. But we do also know competent men that have no license, and we will never favor any legislation that discriminates between men. It is un-American.

* * *

The solution is a judges' association, and now is the time to prepare for this, as the show season is before us and meetings can be arranged.

* * *

Historians of the future can well refer to President E. B. Thompson as the Great Harmonizer. His insistence on harmony and the complete performance of every duty by those so intrusted has borne all that we have to be thankful for.

* * *

Charles D. Cleveland did not accomplish all he desired, but that is not saying he was wrong. Mr. Cleveland fought nobly for fair-play and deserved to win.

* * *

After the constitution and all show

ORPINGTONS Special Summer Sale ORPINGTONS

1,000 Breeders, Buffs and Blacks—1,000

Grasp this opportunity to secure some of these "Hardy Canadian Bred" Orpingtons. To make room for the finest lot of youngsters I ever owned I must clear out at **sacrifice prices** many of my valuable breeding and exhibition Buff and Black Orpingtons. **Send today for a copy of my Special Summer Sales List** and get full particulars of this remarkable sale of Orpingtons. Orders now being booked for early-hatched Cockerels and Pullets for Fall and Winter shows.

HUGH A. ROSE, FONTHILL, ONTARIO, CANADA

GOLDEN and SILVER CAMPINES WHITE and BUFF FAVEROLLES

The Faverolle is interesting a lot of people. As a table fowl and a winter layer we have never found their equals. Our Silver Campines are of high quality. In Golden Campines we have new blood for you that you can't get from any other breeder. Our female lines came from the King of Belgium; males from the yards of the Rev. Jones, England. On account of the war you may not be able to get birds from England, so place your orders early. Our prices are attractive and so low that all can start in the above varieties.

AUG. D. ARNOLD, Box 777, DILLSBURG, PA.

RED SUSSEX FARMS'

RED SUSSEX SPECKLED

CHAMPION STRAIN

Winners at Crystal Palace and Dairy Shows, leading all other strains

Our Sussex can win for you from Madison Sq. to Pacific Coast. Acclimated imported yearlings and young stock from the best Sussex England ever exported. Reserve your show birds now. We will publish your winnings in our 1914-15 catalog or mating list, giving you valuable Free Advertising and starting you off right.

Mr. Frase of Ohio wrote us one Red Sussex pullet we imported for him laid 29 days without a miss and he did not know how much longer she would keep it up. Our egg customers report Chix the fastest growers ever raised. Write for prices NOW. The demand will exceed the supply.

RED SUSSEX FARMS - - MARYSVILLE, MICH.

MYRON W. MILLS, Prop. H. H. COBURN, Mgr.

rules were adopted the standing committee reports were read and promptly tabled. Why have committees?

* * *

Link Orr was probably the happiest and most contented man at the meeting. He had his say, then spent his time visiting with friends.

* * *

The three wise men of the East—Atherton, Robinson and Drevenstedt, were sadly missed and so were many others, but probably they consider attending these meetings is like going to a circus. Do you get this?

* * *

Well, we have a few left for next issue.

* * *

The Madison Square Garden New York Show will be held February 12 to 18, 1915. This is later than usual but conditions made an earlier show impossible.

* * *

We favor these dates and think they particularly fit to make this great show also the wind-up exhibit for the season, and would like to see these dates held for years to come.

* * *

This is a late season with early hatched birds a rarity and the later ones just in bloom for these dates. Take it from me, this will be the greatest show New York has ever held for quantity and quality. Secretary Chas. D. Cleveland, Eatontown, N. J., will furnish particulars.

* * *

If it hadn't been for an apple, where would the clothing business be during this warm weather?

* * *

General Harcombe has returned much improved in health to his home at Grand View, N. Y., where his Barred Rocks will receive his future attention. He brought back with him a beautiful specimen of Hippo-Bear that is well trained and is being displayed at Blake & Barnett Co.

* * *

The judges at the Pittsburgh Exposition Show, January 19 to 25, are Messrs. Cleveland, Punderford, Card, Rice, Pierce, Kummer, Schwab, Hewes, Rawnsley and Wittman. This was one of the real big shows last year and again promises to be a leader. Mr. W. P. Craig, 303 Empire building, is the secretary.

* * *

It is rumored that Baron C. S. Th. Van Gink, formerly an artist on the staff of the A. P. J., but now again at his Amsterdam home, is to be married in the near future. He will beat Frank Platt to it yet.

* * *

The Baron made many friends while in the country who all wish him well and will hope that some day he will return and let us have a look. I will wager it is a blonde.

* * *

The Certified Farms Co., Inc., 26 West 59th street, New York, is something new in the poultry line, and is just what this industry has needed for many years. The officers are: Mr. J. C. Punderford, president; Mr. C. J. Fisk, treasurer. Directors: Messrs. Chas. D. Cleveland, Rufus Delafield, etc. All are known poultrymen.

* * *

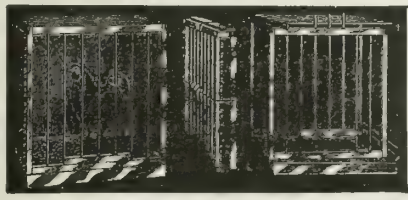
The objects are to buy and to sell

R. C. Reds

We have 1,500 of the best young we ever raised. Many bred from our **GREAT CHICAGO WINNERS**
We can furnish Utility, good Breeding, or the highest class Exhibition birds. On approval always. Write us your wants.
LONGFIELD POULTRY FARM, Box 321, BLUFFTON, INDIANA

Exhibition Stock That Can Win the Blue For the Fall Fairs and Winter Shows

Remember you can buy our BEST as we will not show this year. We make a specialty of conditioning birds for the show room without extra charge, and will guarantee satisfaction. A few more of those extra good layers at prices that will move them. You need our stock, we need room and money. Good Squab Breeding Homers guaranteed mated.
MARYLAND LEGHORN FARM Wm. C. Bowman Box A CAMBRIDGE, MD.



Rippley Exhibition Coops

are built of light, hard, seasoned wood, with removable slide drawers for cleaning. Shipped knocked down. Most complete and up-to-date coops manufactured. *Order from advertisement.* No. 1 Coop for 1 fowl, $1.50, weight, 12 lbs. No. 2, size 24x40x30 in. for pens, $2.50, weight, 20 lbs. No. 330, Folding Coop, has removable partition in center, 24x48x30 in., $4.24, weight 36 lbs. Catalogue free. All kinds of Coops, Chick and Egg Shipping Boxes, Cartons, Brooder Heaters, Whitewashers, Cookers, etc.
Rippley Mfg. Co., Box 327 Grafton, Ill., U. S. A.



THE SIMPLICITY KANT-KLOG POULTRY FEEDER

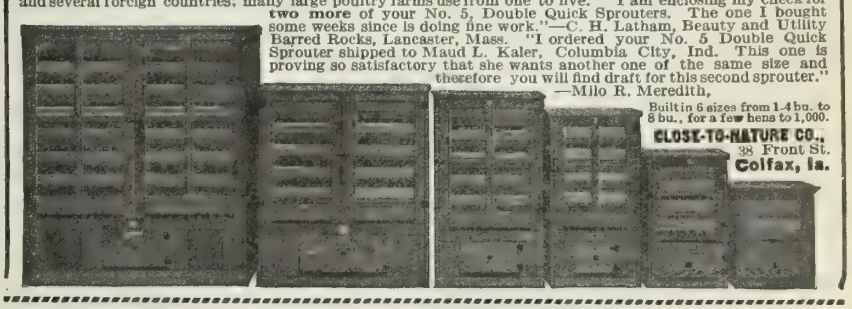
6-quart size, especially adapted for low coops $1.50

This puts an end to all your poultry troubles—no more staying at home on Sundays—go when you like, stay as long as you like. You can rest assured that your chickens will be fed correctly and regularly. It feeds anything from whole corn to millet seed, saves feed, time and labor; it is sparrow and rat proof, never fails to work; it can't clog. **Your Money Back If Not Satisfactory.** Write for catalog today.
Dealers Wanted
Simplex Supply House, Pontiac Bldg., Chicago, Ills.
Canadian Factory: Birchcliffe Poultry Supply House, Birch Cliff, Ontario, Canada

DOUBLE QUICK GRAIN SPROUTER

THE PERPETUAL POULTRY SILO—Grows Green Feed While You Wait
The First, the Original, the Pioneer of All Grain Sprouters

The Double Quick Originates and introduces, others imitate and follow. Fully **100 Double Quicks** to every **half-dozen of all others** combined. Now in its **fourth** year; in use in every state and territory and several foreign countries; many large poultry farms use from one to five. "I am enclosing my check for **two more** of your No. 5, Double Quick Sprouters. The one I bought some weeks since is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass. "I ordered your No. 5 Double Quick Sprouter shipped to Maud L. Kaler, Columbia City, Ind. This one is proving so satisfactory that she wants another one of the same size and therefore you will find draft for this second sprouter."
—Milo R. Meredith,



Built in 6 sizes from 1-4 bu. to 8 bu., for a few hens to 1,000.
CLOSE-TO-NATURE CO.,
38 Front St.
Colfax, Ia.

ARISTOCRATS



WON AT 144 SHOWS

in the hands of my customers—season 1913-14. Think of it—**144 SHOWS**—including many of the **LARGEST NATIONAL SHOWS** in all America and Europe—competing with the best Barred Rocks of the biggest breeders in the world. Now I have

2500 SHOWBIRDS

getting ready for this winter's shows. They are undoubtedly the most **sensational** Barred Rocks ever produced. Do you need a cockbird, a cockerel, a pullet, a hen, a pen—to **win** with? Write me **today**, telling me clearly just what you are looking for.



"Every Showbird Guaranteed"

W. D. HOLTERMAN, Fancier, Box A, FORT WAYNE, INDIANA

certified poultry products and supplies, to act as representatives or sales agents for poultrymen, and to also supply their want in feeds and supplies. It is a capital idea that will become popular and will insure to poultrymen the best the market affords at the least possible expense.

* * *

While in New York lately we had a very pleasant visit with Mr. Stewart Haddock, of Poughkeepsie, N. Y., one of our best known breeders of S. C. White Leghorns. He assured us of his great flock of quality and we were easily assured, for we have seen his line as winners for years.

* * *

An ounce of illustration is worth a pound of explanation.

* * *

We have just completed a hurried trip through the East and are delighted with the general pick-up in business, poultrymen particularly have every reason to expect a good season's trade with most excellent prices.

* * *

Our good friend in the East is still at it criticizing everything and everybody. Lately he criticized a little verse we had printed for his benefit which was taken from one of our best verses by one of the world's greatest poets and is considered a classic. Now let him fit his introspective apparatus with a searchlight and he probably won't be so much inclined to criticize. At least let us hope.

* * *

Down in Old Kentucky they have the right idea. There they are forming poultry clubs among the boys and girls in the various school districts and have enrolled over four hundred members into twenty-four clubs. It is the beginning of a state-wide movement to create interest in pure bred poultry, as each member must set at least one setting of choice eggs, raise feed and care for the stock and make at least one exhibit at some fair or poultry show.

* * *

For special prizes breeders are being asked to donate settings of eggs. Here is a cause that deserves help. Mr. H. W. Rickel, Lexington, Ky., is the state agent in charge. Here is a chance to help the cause.

* * *

"Have you any nice beefsteak this morning?"

"Sure, here's some steak as tender as a woman's heart."

"Give me a pound of sausage."

* * *

The American Barred Plymouth Rock Club annual catalogue is just off the press and is being mailed to members. The catalogue is without exception one of the largest and best annuals ever issued and reflects the greatest possible credit to Secretary Riley. Besides the new constitution and a list of members, it is chock full of valuable articles dealing with every side of all questions, making it a book that should be in the hands of every breeder. There are 130 pages and many handsome illustrations also shown. The book is free to members and is mailed to non-members for 25 cents. Send Mr. H. D. Riley, Strafford, Pa., $1. Join the club and get this valuable book free.

* * *

We will accept "Billy" Atherton's invitation and visit Boston soon to rediscover Pi-Alley, providing he will have all dogs muzzled.

* * *

As we are writing these lines the curtain is rising on the world's greatest tragedy. There is as yet no reason for changing the late General Sherman's definition of war.

* * *

Bear in mind the great Williamsport, Pa., show November 16 to 20. For several years this has been the early big event and this year, with several national and state meetings booked with liberal cash and more specials than ever, it is sure to be a record-breaker. If you have never attended the Williamsport show, arrange to do so this year for you have missed something good in the past. Write to Geo. J. Hanks, secretary, 35 West Fourth street, Williamsport, Pa., for list and particulars.

* * *

Glad to know that there will be but one show in Indianapolis this season and that will be held the first full week in February. With Mr. Charles Millhouse as secretary, this will insure Indianapolis one of the big shows of the season.

Premier White Wyandottes "The Kind You'll Eventually Buy"

Champions at the Madison Square of Canada, Guelph, 1913. Best cockerel and pullet. $50.00 Silver Cup for best cock, hen, cockerel and pullet. $50.00 Bullock Memorial for the best display. More regular and special prizes than my nearest five competitors combined, and my win on females (140 entries) was simply phenomenal, vis., 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th and 9th.

SID SAUNDERS Box A INGERSOLL, CAN.
SEC.-TREAS. and LIFE MEMBER CANADIAN WHITE WYANDOTTE CLUB

WHITE FAVEROLLES

Here is a breed that has not and will not be ruined by a foolish standard gotten up by fanciers who look for shape and color only, also that every feather must be in a certain place, lay just so and so many to the square inch; so many spikes to the comb and a lot of other foolish tommyrot. The White Faverolle standard is gotten up on broad lines with the one idea in mind—a **truly utility breed.** If you want a dandy roaster or sell good big roasters, breed White Faverolles. They are very good layers, too. They are money makers, are hardy, vigorous and bully good friends. I can supply your wants. Send for standard describing this most wonderful breed.

D. LINCOLN ORR Box 5 **ORR'S MILLS, N. Y.**



PAPE'S STRAIN SINGLE COMB BLACK MINORCAS

Are noted for their "Great Egg Producing Qualities" and their "Prize Winning Abilities." If you want **recreation and some easy side money,** write for our "special introductory offers." Have to spare any number of hens, male birds that will improve any flock, and a beautiful lot of yearling and 1914 hatched Exhibition Stock. Our birds have won Championship Honors at Chicago, New York, New Orleans, Memphis and at most other shows of any importance. Write today.

CHAS. G. PAPE Box B74 **FORT WAYNE, IND.**

CROCKETT'S WHITE ROCKS



Won these cups. **WHY?** Because for eight years Mr. F. D. Crockett has given his entire time to breeding White Plymouth Rocks for

Efficiency in Egg Production



We feature Very Select Breeders at $2.50 to $5.00 for this month. We also list Pullets and Cockerels at attractive prices in our circular No. 10. Write for it!

CROCKETT POULTRY FARM, BRIDGMAN, MICH.

A Little Better

than all others—that tells the story of our special

Self-Locking Leg Bands

Locks itself by simply pushing it together. Made of a "new, special metal" that is rust-proof, non-corroding and highly polished. Each band with its own number embossed. Made in sizes for Mediterranean, American and Asiatic birds, also Turkeys.

EASILY ADJUSTED WITH THE FINGERS AND IT IS THEN ON TO STAY



12 bands, any size	$0.15
25 bands, any size	.25
50 bands, any size	.45
100 bands, any size	.75
500 bands, any size	3.50
1,000 bands, any size	6.00

Money refunded if not satisfactory.

Write for our Catalogue showing Complete Line of Poultry Appliances

SIMPLEX SUPPLY HOUSE, Pontiax Bldg., CHICAGO, ILL.

Questions and Answers

Conducted by
Prince T. Woods, M. D

Finds Market Quotations Confusing.

Q. I find myself considerably handicapped at times by my ignorance of trade terms used in newspaper quotations of the eggs and poultry market prices. Neighbors to whom I have applied for information are uncertain as to the correctness of their understanding of these terms.

What are "strictly fine fresh eggs," "nearby extras," "do firsts," "nearby current receipts," "Western," "do extra firsts"? What are "firsts," "seconds," "candled and recrated eggs"? How many kinds of egg cases are there and how many eggs should each contain?

I thought "nearby extras" meant eggs only a day or two old and of the largest size, extra smooth and fine and brought from farms nearby. But I see that the quotation for "nearby extras" is only 26 cents a dozen, while the "candled and recrated" eggs (which I thought meant doubtful eggs) are at the same time quoted at 29@31 cents a dozen. This is quite confusing to me. Perhaps it is intended to be so.

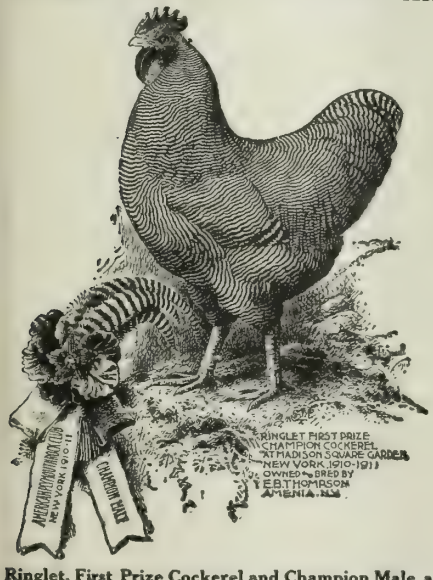
Concerning dressed poultry I would like to know: What are "Selected heavy fowls," who makes the selection; also what are "small" and "medium" sizes? What are "fresh killed fowls" and what are "Western"? What are "fryers," "broilers," both "nearby" and "Western"? What is the meaning of "dry picked"?

I would also like to know who makes these prices quoted in newspaper reports? Sometimes they seem quite arbitrary and seem to me to hinder business. If I take, today, eggs that were laid by my hens yesterday and try to sell them in Atlantic City I am met by the statement that the newspaper quotation on "nearbys" (which the customer says means "eggs brought in fresh from farms nearby the city") is, say, only 26 cents. Then I get the paper and point out that "candled and recrated" eggs are quoted at 29 and 31 cents. Then I have to argue that my sanitary, clean, grain-fed eggs, laid yesterday, are better than any "candled and recrated" eggs that ever happened and ought at least to bring as much money. Sometimes my argument is effective and sometimes it is not. It is very seldom that I can get at retail for my new-laid eggs, produced under sanitary conditions, a price higher than the wholesale quotation for "candled and recrated" eggs. Can you favor me with some instruction?

Pleasantville, N. J. H. M.

A. We are not surprised that you find newspaper quotations for the eggs and poultry market confusing. Possibly it is so intended. Newspaper market quotations are seldom reliable. Generally they are only the reporter's summary of the average prices of the previous day's trading on the "exchange" or are taken from the printed bulletin of some commission house reporting current prices in "exchange" trading. In any case the quotations represent large lot wholesale prices or, in some cases, jobbing prices. It is generally only on special days, once a week, that the newspaper quotes retail prices. These quotations are seldom any more reliable than the wholesale quotations. Usually the reporter goes to some prominent retailer and gets a hasty summary of his prices on produce for the week. There is a wide variation in retail prices among different dealers and in the same state only a few miles apart the local buying prices for eggs, poultry and farm produce generally may show a very wide variation. The reason for this is that the collector, or buyer, buys as low as he can buy, expects to hold the goods until he has sufficient for a shipment, or divides his shipments to meet the requirements of his trade, must estimate or guess the price he can get for the goods and of course aims to get all the profit he can to pay for his handling of the goods.

Even to briefly explain the marketing of produce and the making of prices takes considerable space. Generally it is only farms having a large or regular output, or co-operative associations, that can deal with consumers and retailers direct. Take eggs for example and note the route they take to the ultimate consumer. In these routes or "trade channels" the eggs pass through many hands and each handler aims to get a profit.



Ringlet, First Prize Cockerel and Champion Male at Madison Square Garden, N. Y., 1910-11, and Grand Sire of My Champion First Prize Cockerels of 1913-14

E·B·Thompson's "Imperial Ringlet" Barred Plymouth Rocks

EARLY WINNING SHOW BIRDS

Hatched in January, February and March of this year

I now offer the finest early hatched exhibition Barred Plymouth Rock cockerels and pullets that I have ever produced. They show elegant size and shape, fine heads and deep narrow sharp clean cut "Ringlet" barring—they are my richest New York first prize blood of the shows of 1912-13 and 1913-14.

These Birds are Ready to Win at the Fairs and Early Shows

The demand for early show birds will be enormous this year and I strongly urge you to place your order as soon as you can. I will hold birds ordered and ship when wanted—the prices will be very reasonable.

I Offer Early Hatched Breeders Also. See My Ad of Bargain Sale of Yearling Birds on Page 1168.

Richly illustrated 76-page catalog mailed upon request. It is full of illustrations of New York winners from life.

SEE MY OTHER ADVERTISEMENTS

Address E. B. Thompson Lock Box 510, AMENIA, NEW YORK



First Prize Cockerel, Madison Square Garden, December, 1911

Owen Farms

Buff Orpingtons
White Orpingtons
White Plymouth Rocks
White Wyandottes and
S. C. Rhode Island Reds



First Prize Cockerel Madison Square Garden, December, 1911

Are Ready to Win Any Fall Fair in America

If you need a cock, hen, cockerel, pullet, old pen or young pen to complete your string, write me the show you wish to win and receive my price by return mail.

Owen Farms Readiness

has resulted in THOUSANDS of FIRST PRIZES being WON by customers all over the UNITED STATES and CANADA, and in this year of general shortage of early hatches our youngsters will make an even better record than in former years, as we have more JANUARY, FEBRUARY and EARLY MARCH CHICKS than ever. **Order early and enable us to put your birds in perfect condition for your show.**



First Prize Cockerel, Madison Square Garden, December, 1911

WINTER SHOWS

You are already looking forward to winning your Winter Show and watching particularly promising youngsters as they develop. Your favorite cocks and hens are moulting and you are wondering if they will round to in time to be at their best to win for you. This is the time to take up with me the question of strengthening your weakest spots, as I will book your order upon receipt of a 25 per cent deposit, balance to come before shipment, and you will have the immense resources of Owen Farms behind you to make your victory certain. Have already booked a number of orders for Fall and Winter showing, and **REMEMBER, I will not sell to two customers to compete in same classes.**



First Prize Cockerel, Madison Square Garden, December, 1911

The Utility Qualities

of our birds are unexcelled by any and famous the country over. Perfect housing and breeding conditions, combined with perfect health and vigor, have resulted in strong, husky, big boned birds that lay and pay.

Big husky cockerels in all varieties at $3.00, $4.00 and $5.00 each NOW that will be worth more later. Splendid utility pullets at $3.00 each NOW that will be gems for utility breeding the coming season. I want to reduce my large flocks of youngsters while still on range, so as to have plenty of room in winter quarters. **Buy now before the supply is exhausted.** Later prices will be higher, as the supply through the country is fully 40 per cent short this year.



First Prize Cockerel, Madison Square Garden, December, 1911

Breeding Birds

It is probably a little early for you to definitely plan your matings for next year, as you want your old birds to complete their moult and your young birds to fully develop. When you do decide what you are needing, write me and see if I cannot give you the exact bird or birds you must have to make your 1915 matings stronger than ever. **Owen Farms Prices Are Lower**, quality of individuals and line-bred producing qualities considered, than similar quality can be obtained elsewhere.

Finest Illustrated Catalogue Published—Yours for the Asking

Your Absolute Satisfaction
Means My Permanent Success

OWEN FARMS

107 William St., Vineyard Haven, Mass.

MAURICE F. DELANO, Prop. **FRANK H. DAVEY, Supt.**

The wholesale route may take two channels at the start: 1. Farm producer to commission merchant direct. 2. Farm producer to collector or country store, thence to wholesale buyer, thence to the commission merchant. From the commission merchant they pass on to the jobber. The jobber sells to the retail store and the store to the consumer.

The retail route may take three channels: 1. Farm producer to consumer direct. 2. In large quantities generally to clubs, hotels, drug stores or soda fountains, and restaurants. 3. Farm producer to retail store and retail store to consumer.

Each step in each channel adds to the age of the product and adds to the price. Obviously eggs that are new laid and delivered to the consumer twice a week or oftener are the only really fresh eggs and are, or should be, worth more than eggs from ordinary market channels.

Evidently you are producing the very best table eggs and marketing them new laid direct to consumers. Such eggs ought to bring 5 cents a dozen above the highest quotations for best grade of market eggs. When you find them quoted at all you will generally find them under "extra fancy nearby hennery eggs" or some similar term. It would be a good plan for you to have some city retailer, who caters to the best trade, furnish you twice a week with the retail price of "fancy" new laid eggs. You can use this as a guide to fix your own prices. It takes time to build up a trade and it takes fine quality to create a preference for your goods. It is up to you to demonstrate the quality of your produce and to create a demand for it. Good salesmanship and nerve are necessary to make sales and get the price.

Market quotations appear arbitrary and are so to a considerable extent. It is claimed that it is necessary to have it so and that without some fixed standard for making prices, gambling or speculation would prevail to a greater extent than it now does and handling produce would become a greater "game of chance" than it is.

Every large city has its "Exchange," an association of men of high financial standing and good reputation in business, for the purpose of trading in eggs, poultry and other produce. This exchange meets daily and the members buy and sell large lots of these goods. The prices in these transactions are from time to time quoted on the bulletin board of the exchange. It is from this bulletin that the merchant or the reporter makes up his list of "market quotations." The dealers accept the prices prevailing at exchange sales as a guide in making their prices for the day. New York City, consuming the most eggs and being our biggest market, serves as a guide to regulate the prices of a very considerable portion of the country and the quotations of its exchange serve as a basis (transportation, etc., considered) for transactions in local exchanges. The exchange has certain definite rules for grading produce controlled by a committee. At the present time there is quite a wide variation in grading in different cities. The National Poultry, Butter and Eggs Association is working for a standard of national trade rules for governing the classification, grading and inspection of eggs and

poultry and to secure uniformity throughout the country.

In the general classification, eggs are either "fresh gathered," "storage packed" or "refrigerators."

As will be seen on referring to the sub-grades, "fresh gathered" is a pretty far-reaching term and does not indicate the age or degree of freshness from the poultryman's viewpoint but includes all the "fresh" eggs of commerce, or those which are marketed without going into storage. So long as they are clean, sound and reasonably full as to content they may have been kept some time before reaching the consumer. From the very fact of the necessary handling and trading they can't be "fresh" in the same sense that a new laid egg direct from the producer is "fresh." The term "storage packed" explains itself and applies to eggs put up in new cases especially for storage. "Refrigerator eggs" are storage packed eggs that have been or are in storage. Without going into all the grades of eggs we will briefly take up the sub-grades proposed for the "fresh gathered" sort.

"Fresh gathered extras" are required to contain the following percentages of clean, fresh, reasonably full, strong, sweet eggs:

Jan. 1 to Feb. 15, 80%—net weight 43 pounds and over.

Feb. 16 to May 15, 90%—net weight 44 pounds and over.

May 16 to Oct. 31, 80%—net weight 43 pounds and over.

Nov. 1 to Dec. 31, 70%—net weight 43 pounds and over.

The balance, other than the loss, may be defective in strength or fullness but must be sweet. There may be a total average loss of one dozen per case, and of this loss the bad eggs must not exceed one-half dozen.

The eggs must be packed in new standard cases of 30 dozen each. The weights are net per case. "Total loss" includes all rotten, broken (leaking), spots, broken yolked, hatched (blood veined) and sour eggs. "Partial loss" includes very small, very dirty, cracked (not leaking), badly heated, badly shrunken, salted or frozen eggs and counts as one-third loss in all grades except "thirds," "dirties" and "checks."

"Fresh gathered firsts" are required to contain the following percentages of clean, fresh, reasonably full, strong, sweet eggs:

Jan. 1 to Feb. 15, 70%—net weight 42 pounds and over.

Feb. 16 to May 15, 85%—net weight 43 pounds and over.

May 16 to Oct. 31, 70%—net weight 42 pounds and over.

Nov. 1 to Dec. 31, 60%—net weight 42 pounds and over.

Other than loss the balance may be defective in strength and fullness but must be sweet. The total average loss may not exceed two dozen per case and the dead loss must not exceed one dozen bad eggs per case.

"Fresh gathered seconds" are required to contain the following percentages of reasonably clean, fresh, reasonably full, strong, sweet eggs:

Jan. 1 to Feb. 15, 65%.

Feb. 16 to May 15, 75%.

May 16 to Oct. 31, 50%.

Nov. 1 to Dec. 31, 50%.

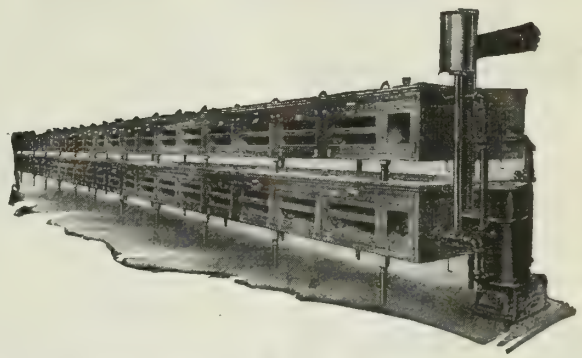
Other than loss the balance may be defective in strength and fullness but must be sweet. There may be a total average loss of three dozen per case

Above All—The Henderson Strain

AMERICA'S FOREMOST Barred Plymouth Rocks

for EXHIBITION and UTILITY. I have hundreds of high quality youngsters growing for the season's shows. If you want winning cockerels and pullets write for descriptions and order early.

W. W. HENDERSON, BRIDGETON, ST. LOUIS CO., MISSOURI



"Easy to Operate. Five Minutes a Day All Attention Required. Hatched 85% of All Eggs. Strong Chicks That Lived."

These statements were made by a user of a Newtown Giant Incubator, Mr. Wm. Reinhardt, Jr., Port Jervis, N. Y.

The Newtown is naturally easy to operate because its heater and the temperature and moisture supply at each compartment are automatically regulated.

Coal is fed to the fire automatically from a magazine. All the eggs are turned by simply turning a handle at the end of the machine.

Newtown GIANT Incubator

600 to 24,000 Egg Capacity

It is not necessary to be continually running to the Incubator to see that the eggs are getting the right heat, because the Newtown Automatic Electric Alarm will give warning should an accident occur.

When the temperature gets too high in any one compartment, a powerful thermostat expands and raises a light metal damper disc in the top of the compartment, compelling the excess animal heat to pass out. With the Newtown, there is no lowering of trays or taking chances with hard-working, unreliable water valves.

The Newtown is the machine for the busy breeder who must give most of his time to the care of his birds.

The Newtown is the machine for the man who must attend to his hatching between times, because it requires so little attention and can be easily operated by the madam or the boy while the man is away.

Our building specialists are at your service if you intend constructing an Incubator cellar and poultry houses. Let's work together so that you will get the best at the lowest cost. Blue print plans and your copy of our Incubator catalog are waiting for you.

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Coal-burning, Self-regulating, Safest, Most Economical

Made in three sizes for up to 1500 chicks. Fill coal magazine once a day. Radiator distributes all the heat and saves much fuel. Costs only eight cents a day to operate. Gives chicks correct temperature all the time without attention.



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NEWTOWN GIANT INCUBATOR CORPORATION
21 Warsaw Street, Harrisonburg, Virginia

and of this the dead loss from bad eggs must not exceed one and one-half dozen per case.

"Fresh gathered thirds" consist of current receipts from the farmer, huckster or merchant and are required to contain the following percentages of reasonably full, fresh, sweet eggs:

Jan. 1 to May 15, 50%.

May 16 to Dec. 31, 40%.

Other than loss the balance may be defective in strength or fullness but must be sweet. Total loss from bad eggs must not exceed two and one-half dozen per case and the total average loss including loss from bad eggs must not exceed five dozen per case.

"Dirties" as the name indicates are dirty eggs. They must be of "useful quality," sweet flavored and must not have over one dozen spots or rots or more than one dozen checked or cracked eggs per case. "Checks" are eggs that are cracked but not leaking. "Rots" are rotten eggs. "Spots" are eggs that contain mould spots, rot spots from mould, yolk adhering to shell, or partly developed embryos.

The freshness of the egg is largely determined by the way the contents "stand up" and the fullness of the egg. If contents are badly shrunken and there is a big air cell, the egg is quite stale. A flabby yolk also indicates staleness.

"Candled and recrated" eggs have had the poor quality eggs tested out before the "candle" or tester and are supposed to contain only good quality eggs and are packed in new cases. "Nearby" is an elastic term applied to eggs from nearby sources and may mean anything or nothing in particular. "Nearby extras" are clean, good sized, presumably fresh eggs from nearby sources that are sold as received without candling. "Strictly fine fresh eggs" is a very general term and much abused in the application. Its meaning depends a good deal on the honesty of the dealer. "Nearby current receipts" applies to the receipts of the day from nearby sources. "Western" applies to produce from western shipping points; "do extra firsts" following immediately after the "Western" quotation would mean practically the same as if it was written "Western extras" (see description of sub-grades).

Dressed poultry is graded "No. 1" or "No. 2" according to quality. Sometimes the best grade, or something considered a little finer than "No. 1," is spoken of as "selected" or as "extras." "No 1" goods must be meaty, well dressed and clean. "No. 2" good may be pin feathery, poorly dressed, skin broken, slightly deformed, but free from culls. "Culls" are decidedly defective and undesirable goods.

"Fresh killed" applies to fowls and chickens that are marketed soon after killing, dressing and chilling; birds that have not been put into cold storage. "Dry picked" stock are birds from which the feathers have been removed immediately after killing without recourse to scalding to loosen the feathers. The experienced dry picker can stick the bird in such a manner that the feathers are loosened and easily removed without tearing or injury to the skin.

A "squab-broiler" is a chicken weighing 1¼ pounds or less.

A "small broiler" is a chicken weighing from 1¼ to 1¾ pounds.

A "medium broiler" is a chicken weighing from 1¾ to 2⅛ pounds.

A "large broiler" is a chicken weighing from 2⅛ to 2⅝ pounds.

A "small fryer" is a chicken weighing from 2⅝ to 3⅛ pounds.

A "large fryer" is a chicken weighing from 3⅛ to 3⅝ pounds.

A "small roaster" is a chicken weighing from 3⅝ to 3⅞ pounds.

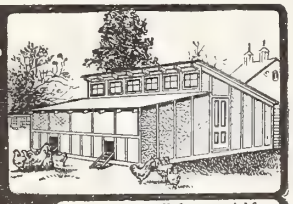
A "medium roaster" is a chicken weighing from 3⅞ to 5 pounds.

A "large roaster" is a chicken weighing from 5 to 6 pounds.

An "extra large roaster" is a chicken of 6 pounds or over.

The term "chicken" as used above

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FOR SHIPMENTS BY
PARCEL POST OR EXPRESS
Write for our Parcel Post Package Booklet, which gives postal rates and regulations.
THE SEFTON MFG. CO. 1329 W. 35th ST. CHICAGO, ILL.
Makers of Eyrie and Anderson Egg Boxes, Eyrie Shipping Coops, Sefton Live Chick Boxes.

U.S. Gov't Model Poultry House $78.00

$78.00 buys all the material for this Chicken House, planned by the Dept. of Agriculture. Size, 20x14 feet. Our price includes lumber, mill work, roofing, hardware, wire netting, staples and painting material. Other designs of outbuildings and 116 designs of residences shown in our "Book of Modern Homes No. 9845A"—free on request. Sears, Roebuck and Co., Chicago, Ill.

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Tell the Age of Poultry
Tell which are yearling hens and which are two year olds. For laying purposes it does not pay to keep hens after the second laying season. The pullets and the yearlings are the profit makers.
LEG BAND your birds and then you will know which to keep and which to kill or sell.
Our bands are made from heavy aluminum, have smooth edges, locks with double clamps, are numbered with large RAISED FIGURES.
Prices, either kind:—12-15c., 25-25c., 50-40c., 100-65c., 250-$1.50, 500-$2.75, 1000-$5.25.
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WETMORE'S WHITE WYANDOTTES
Are equal to the best. Under leading judges that are specialists on White Wyandottes, and in strong competition, they won at
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1st and 3d pullet; 2nd and 5th pen and 5th cockerel in 1913, and 2nd cockerel; 4th and 5th pullet, 1914.
Splendid winter layers the result of careful selection. If you want choice birds to improve your strain or foundation stock, I can supply.
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Mites cannot breed or harbor where it is used. One application each year does the work. Write for special trial price.
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There is no *beforehand test* by which you can know how long a roof will last.
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you *also* buy the responsibility of the three biggest roofing mills in the world—to make that roofing *make good* for 15 years at least.
See that Certain-teed label is on every roll or crate.
Your dealer can furnish Certain-teed Roofing in rolls and shingles—made by the General Roofing Mfg. Co., *world's largest roofing manufacturers*, East St. Louis, Ill., Marseilles, Ill., York, Pa.

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Do away with the bother by using
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They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail $1.00. YOUR MONEY BACK IF NOT SATISFIED. Drop postal for particulars to The Succulenta Co., P. O. Box 405- 1, Newark, N. J.


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Highest quality Stock for sale.
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Examine your birds and see if lice are not robbing your poultry of health and vitality, and yourself of profits. Get the Old Reliable
LAMBERT'S
(6) DEATH TO LICE POWDER
It knocks these thieves out *quick*. Will not injure eggs, hens or chicks, nor soil plumage. Sold in 10c, 25c, 50c and $1.00 sizes. Latest copy of Lambert's "POCKET BOOK OF POINTERS" for 2c stamp.
THE KLEIN-LAMBERT CO., 501 Traders Bldg., Chicago

applies to young birds. When described as "soft meated" it means that they are very young for size and have been quick grown and marketed before the flesh loses its tender chicken softness. "Soft roasters" or "winter chickens" are soft-meated, quick-grown, winter-grown chickens that have been brought to from 6 to 10 pounds weight in six to eight months. Males used for this purpose are caponized (castrated).

"Fowls" are adult hens, yearlings or older.

A "small fowl" will weigh 3 pounds or under.

A "medium fowl" will weigh from 3 to 4 pounds.

A "large fowl" will weigh from 4 to 5 pounds.

An "extra large fowl" will weigh 5 pounds and upwards.

"Stags" are young males in which the meat has become "hard" or "staggy," generally the result of running with the females, or from indifferent feeding, too much range and allowing the birds to "go by" best market age and condition. "Old roosters" are yearling and older cock birds. "Selection" is done by the merchant, presumably under the rules of the local exchange and subject to official inspection by an official selected by the trade organization for that purpose.

Trade rules are made to fit conditions as they actually exist in the handling of market produce. They deal with the run of produce as it comes to the market. The produce from the well-managed, sanitary poultry farm is exceptional produce and seldom gets into the ordinary market trading, going generally to the retailer or producer direct or from the commission merchant direct to retail dealer or large consumer. Much of this produce is sold or bargained for in advance. Where the producer does not deal direct with the retailer or consumer, he may sell direct to the jobber and so save for himself the collector's, wholesaler's and commission merchant's profits. The less handling of the product between producer and consumer the better for both.

A standard egg case holds 30 dozen, in two compartments of 15 dozen each. It is usually made of whitewood and of size and strength to conform with requirements for acceptance by the railroad at lowest freight rates. Such cases may be charged for or may be included free with the sale of the eggs. The eggs are held in place by strawboard "fillers" and "flats," with padding of cork or kiln dried excelsior (pine excelsior not allowed) on top and bottom. Sometimes cardboard cartons are used instead of fillers for "fancy" eggs, but only under special arrangements with the buyer.

Half cases are 15 dozen cases. Special size cases are often used in private trade for 3, 5, 10, 15 and 20 dozen lots. When dealing direct with regular trade "returnable" cases are often used. These are specially made strong cases, made for frequent shipments, bear the producer's or shipper's name and address and are returned to him when empty. Shipper has to stand the express or freight on produce to market and the nominal return charge on empty cases or boxes returned. There are many makes of egg cases. Thirty-six dozen cases or crates are sometimes used, but seldom. Baskets are commonly used for parcel post shipments,

Read page 1127---do it right now! HURRY UP!!

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Sold on modern, progressive, co-operative plan. Get out of a rut. Special sale of breeders now on Investigate. Give us a trial.

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The **"Famous Jimcrack Strain"** have won and have produced winners at our largest shows for years. Their records at Toronto, the Ontario Winter Fair, Boston, etc., prove their quality. Stock and eggs for sale. Write for circular. **HARRY TAYLOR, 82 Howard Park Ave., Toronto, Ontario, Can.**



IOWANA WHITE ORPINGTONS

Summer Sale of 1914 Breeding Stock, also cocks, cockerels, hens, pullets and pens that will be ready for the early fairs and Fall shows.

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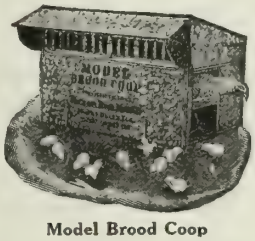
Young and Yearlings, White Wyandottes, White Rocks, White Leghorns, R. I. Reds. Pekin, Fawn, Pencilled and White Runner Ducks.

Cheap Now: Eggs and chix for roasters. Cut clover and supplies.

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Ransomville, N. Y.

Your money back if you do not find our Poultry Buildings and Fixtures superior to any on the market.

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Model Brood Coop

We make Portable Henneries, Brood Coops, Setting Coops, Colony Coops, Fireless Brooders, Trap Nests, Exhibition Coops, Portable Fences, Poultry Gates, Fattening Crates, Wire Runways, etc. Write now. Catalogue free.



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Niemann Bros. Manufacturing Co., Box 677, Mt. Olive, Ill.

THE "Maryland" STRAIN

Walden's Barred Rocks

Win at Baltimore, Md., 1914

First Prize Hen and Shape Female and Second and Fourth Pullets

The Pullet Bred Line a Specialty

My birds have won this year also at Philadelphia, Williamsport, Pittsburgh, Hagerstown, etc. For years they have won at leading shows. If you are interested in Quality **My Maryland Strain** will interest you.

My New Catalogue for the Asking

It gives you full and complete information of my line with prices, etc. Eggs for hatching from selected pens containing all my winners. Write me your wants today.

R. J. WALDEN Box A MIDDLEBURG, MARYLAND

eggs being packed in excelsior. Foreign shipments come in kegs, cases or crates of various types and are repacked in standard cases after arrival and inspection.

Feeding Chicks.

Q. (1) How long should chicks be fed on a board before starting to feed them in litter?

A. (1) Depends upon circumstances. Under favorable conditions they can be fed in litter from the start. When fed out of doors in wet weather we prefer to use feeding boards, or troughs, unless automatic feeders are used.

Q. (2) Should outside litter be used instead of feeding the chicks in growing grass?

A. (2) Outside litter not needed. If you feed in grass, see that they clean up the food, don't allow it to lie around and spoil.

Q. (3) Is there any danger of chicks acquiring an appetite for litter like bran or alfalfa to such an extent as to sicken themselves?

A. (3) Wouldn't use bran for litter. It is liable to spoil and become dangerous to chicks. Alfalfa litter is all right and there is no danger of their eating more than is good for them.

Q. (4) How old are Plymouth Rock chicks generally before they will jump over a two foot fence?

A. (4) Ours will go over two foot wire netting by the time they are three weeks old. They walk up and over. Seldom jump, and then not over. If they jump they go up to top wire, take a look around and then jump down.

Q. (5) Is it necessary for laying hens to have outdoor dry mash hoppers as well as indoor ones?

A. (5) It is not.

Q. (6) Will lime kill all dangerous germ life it comes in contact with?

A. (6) When properly applied we believe it will.

Elyria, Ohio. W. W.

Failed to Get Eggs From England.

Q. My brother in England bought me a sitting of eggs and they were forwarded by the man he bought them of "carriage paid" addressed to me. The shipment never arrived. I went to the receiving point here and they informed me that the eggs were all spoiled. Should they have been delivered no matter what the condition on arrival? The eggs being paid for, including carriage charges, should I not have been given the opportunity to see them? Can I put in a claim? Shall I value the eggs at just what they cost me, or at what they would be worth to me had they arrived safely? Am I obliged to tell just what they cost me? Are they valued before being shipped?

Springfield, Mass. A. E. A.

A. It is not quite clear to us who told you the eggs were spoiled. There is no duty on eggs from England. If the package was examined at the custom house and contents found to be spoiled, eggs could be condemned and the express company (or carrier) could not make delivery to you. If the spoiling of the eggs was due to negligence or carelessness on the part of the transportation company you might be able to recover for the actual value of the shipment. You have no claim against the customs department for condemning and destroying spoiled

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Bargain Sale for 1914



Imperial "Ringlet" Exhibition Pen, winning First Prize and Sweepstakes Cup at Madison Square Garden, New York, 1913-1914, and Ckl. heading Second Prize Pen.

Type never told a story of greater values and more sweeping price reductions than in my Special Sale List which is now ready for mailing. This is an opportunity to buy the finest quality Barred Rocks ever offered in America at Special Bargain Prices.

This Is America's Leading Bargain Sale

It is unrivaled in high quality and low prices—This establishment is the largest devoted entirely to the breeding of High Quality Barred Rock in All America. There are more First Prize Madison Square Garden, New York, winners here than on all other farms combined. You can now secure Madison Square Garden winners and sons, brothers, sisters and daughters of New York winners, and birds of this richest New York first prize winning blood at the decided bargain prices. Birds bought now at the prices in my Special Sale List will pay you splendid dividends.

In This Special Sale List

Are listed the finest show birds, the finest breeders in single birds, pairs, trios, and pens that I have ever offered and at the rarest bargain prices. There are lots to meet the needs of all—the beginner who must begin right, the old breeder who will improve his stock, and the show man who wants to win in the strongest competition in the world.

See ad on back cover page for the wonderful record of my Imperial "Ringlets" at last winter's Madison Square Garden 1913-1914 show. This achievement takes rank in history as the most wonderful ever recorded since the New York show was founded.

It Will Be To Your Interest to have this Special Sale List and take advantage of this opportunity to secure "Ringlets" at the cut down bargain prices. Whatever may be your wants in Barred Plymouth Rocks you will find it in my Special Sale List at Bargain Figures: The List will be mailed promptly upon request.

Elegant 70-page catalogue upon application.

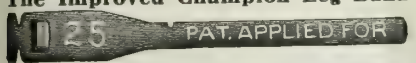
EGGS from the world's finest exhibition matings $10 per setting; four settings $35; 100 eggs $60—One-half these prices after June 10th.

E. B. Thompson

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White Wyandottes
Special prices on breeding and show stock including some of my last winter's winners.
SHERMAN BOWDEN Mansfield, Ohio

H-O Poultry Feeds
—for a healthy flock and larger profits. They include: H-O Steam Cooked Chick Feed, Intermediate Scratch, Scratch-Feed, Poultry Feed, Dry Poultry Mash or Chick Feed. Write for sample and prices.
H-O COMPANY Buffalo, New York

The Improved Champion Leg Band


Aluminum, numbered to suit. Postpaid 100-35c; 50-20c; 25-15c; 12-10c. Initial extra 10c per 100; 50 or less 5c. Circular free giving prices on Superior, Riveted and Pigeon Bands. Sample for stamp.

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Waste Proof Feeders
Made of Galvanized Iron. Swinging door closes—locks automatically when not in use. Fowl jumps on step—fowl's weight forces step down—door swings in and away from fowls—permits 4 fowls to feed at one time Absolutely rain and bird proof. Patented device prevents fowls hooking out and wasting feed Capacity 24 qts.—enough for 15 fowls for 2 weeks. Satisfaction guaranteed or money back. See your dealer—or write for particulars.
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Ideal Colony Brooder
Coal Burning
100 per cent efficient. Superior to oil burners.
Self Regulating
Economical and safe. Large and small farms are using the Ideal with success. The only system giving perfect satisfaction. Write for booklet describing the

Ideal Coal Stove Brooder
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By F. A. Kaupp, M. D.

A book containing 185 pages, 5x8 inches in size and is profusely illustrated with original half-tone and pen and ink engravings. It shows the many parasites, germs, and bacteria that attack our poultry, as well as tells the names of the diseases, the cause or causes, the symptom and lastly the *treatment for each disease.* The book is printed on a high grade super calendared book paper, substantially bound in cloth, linen sewed to make it flat opening and the title is stamped in gold. Every poultryman should add this very useful book to his library. Remember that we prepay all charges on the book to your town.
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eggs. Your only claim is against the transportation company (carrier) in case that the eggs spoiled through their fault. If the trip was made in usual time and spoiling was due to weather conditions, or to non-refrigeration, in case refrigeration was not paid for in carriage charges, you have no claim. In any case you can only recover what the eggs actually cost you and must make an honest statement of the cost. Value was probably asked when transportation company received the goods. If you can show that the shipment was subjected to unusual and unnecessary delay which resulted in spoiling, you can probably recover actual cost of the eggs. Transportation companies generally adjust such claims promptly when the claim is reasonable and honestly made.

White Comb.

Q. I have a fine White Rock whose comb and face on one side have turned white. It started several weeks ago and at first looked something like frosted comb. Can you tell me the trouble and a remedy?
Huntsville, Ala. F. G. C.

A. White comb, when accompanied by a powdery white scurf or scale on the surface is a parasitic disease. Other forms of white comb result from infection with various micro-organisms. Bathe the comb and face with a 2% solution of creolin. Dry, and apply an ointment made of one part finely powdered iodoform to 20 parts vaseline.

Duck With Wry Tail.

Q. Would you advise me to breed a White Indian Runner Duck that has a wry tail? I bought a $2.50 sitting and this was all I got.
Greenville, Pa. D. S. V.

A. We would not breed it. Take the matter up with the man you bought the eggs from. He should be willing to send you another sitting at half price.

Breeding Exhibition Brown Leghorns.

Q. (1) Is it wise to breed a cockerel, raised this year, to last year's hens?

A. (1) Yes, if the cockerel is fully matured, well-developed, sound and vigorous and the hens are equally sound and healthy.

Q. (2) Can I breed a last year's cock safely to this year's pullets?

A. (2) Yes, if the pullets are well matured and all the birds in the pen possess sound constitutional vigor.

Q. (3) How should I mate to produce exhibition Brown Leghorns?
Boone, Iowa. H. O. W.

A. (3) Successful breeder recommends the following matings:

To produce exhibition males: Male should have a good, rather small five point comb; white flat ear-lobes; long back; low tail; bird of good size and well up on legs; neck and saddle plumage deep, bright, rich red striped with black or greenish black centers; undercolor dark. Females should have rather small five point comb; clear white lobes; long back; large, strong, well-spread tail, carried low; good deep rich red in neck plumage running well down into cape and striped with good black centers; body dark brown with metallic black showing in rather coarse penciling.

To produce exhibition females: Male should be a good strong son of an exhibition hen; medium sized five point comb; good head; good white lobes; long back; low tail, well spread; neck color tending to an orange red striped with black or greenish black; wing rather darker than back with very little red on wing; saddle orange with black stripe; body should show female stippling. Females should have medium sized five point comb; good white lobes; long back; low tail, well spread; golden or orange neck with broad black striped centers; wings and back light brown finely stippled with darker brown; body light brown with darker stippling; breast salmon; fluff and thighs slate tinged with brown.

Payne Bros.' R. C .R. I. Reds
Eggs from the finest matings ever now half price. Catalog free.
PAYNE BROS. Box J Portland, Conn.

Parsons' Poultry Plant
S. C. Wh. Orpingtons R. C. R. I. Reds
Write for Our Winnings
R. F. D. No. 1 Box 41 AVON LAKE, OHIO



The "Signet" Aluminum Leg Band
Adjustable—Signifies Quality
Price 12-15c; 25-20c; 50-35c; 100-60c. "Silver Tip" Pliers for applying all kinds of bands. Price 10c, 3c extra for postage. Mention A. P. J.
W. J. BALL, SALEM, OHIO

Stop the Brooder House Losses
It is less work and expense to raise chicks right than it is to half raise them in the old style hover brooders. Our free book tells all about it. Write for it today. Here is some proof.
"We are just writing a line to say that we have had your two large stoves in operation some two weeks and find them thoroughly satisfactory in their work and practically no trouble to operate. Kinnear Poultry Co., Sussex, N. B., April 7, 1914."
Don't delay but get a Duplex and make more money out of the poultry business than you ever thought possible.
DUPLEX COLONY BROODER CO., Box 500, Rockford, Ill.

Lice-Trap Roost-Bar
A mechanical means of ridding poultry of Mites and Lice and other vermin. Powders and liquids unnecessary. Guaranteed to get all the vermin off the poultry. Write for circular, or send 50 cents for 36 inch sample prepaid by parcel post.
Woodall Mfg. Co., Desk 3, Davenport, Ia., U. S. A.

S. C. WHITE LEGHORNS
Eggs from 1st Prize Chicago winners, $3 per 15. Utility Eggs $6 per 100. Yearling stock at half price. Sale now on.
PARKSIDE POULTRY FARM
N. P. Easling Box 100 Pekin, Illinois

RouenDucks
Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings.
Sweetbriar Farm
LOUIS B. SCHRAM, Prop.
ELBERON -:- NEW JERSEY

Tompkins' Strain R. I. Reds

12 years record of prize winnings. Their breeding is based on 45 consecutive years of careful selection. Send for catalogue.
LESTER TOMPKINS CONCORD, MASS.



COLORED LEG BANDS
Big Black Figures on White Background.
All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.
A. P. Spiller : Dept. A : Beverly, Mass.

White and Barred Rock, White and Brown Leghorn, Rhode Island Red, White Orpington and Indian Runner Duck

Stock, Eggs and Chicks for sale at bargain prices because we need the house room. Catalog and price list free. Send card for one at once. **The Osbun Poultry Farm & Hatchery Co., Mansfield, Ohio**

S. C. WHITE LEGHORNS

W. L. Fern Strain has never been defeated in the show room. 50 fine utility hens for sale. Eggs for hatching and day-old chicks. Write for catalogue.

W. L. FERN 682 Slade Ave. **ELGIN, ILL.**

MIAMI POULTRY YARDS

will sell cockerels and pullets from seven leading varieties during the rest of the season.

JOSEPH L. HESTON, Mgr. **TRENTON, OHIO**

METZLER'S HOUDANS

Choice breeding stock, young and old for sale at reasonable prices. Also exhibition stock from prize winners at Boston, Rochester, N. Y., Indianapolis, Ohio State Fair, etc. My guarantee protects you and assures you of a square deal. Satisfaction or money refunded. Write me your wants. Mating list on request.

J. L. Metzler **Findlay, Ohio**

Tolman Fresh Air Strain Wh. Plymouth Rock Baby Chicks

The Famous South Shore Soft Roaster Strain

PRICE DURING JULY, AUGUST AND SEPT., $12.00 PER 100

JOSEPH TOLMAN, R. F. D. No. 1, Dept. H. ROCKLAND, MASS.

Demgar's S. C. White Orpingtons

Winners at New York State Fair, etc.

We offer some selected cockerels and pullets from our exhibition stock, that mature early—the pullets have started to lay now, at just 4 months and 15 days old. After July 15 we will have some cockerels and pullets in training for early Fall shows at prices that are right.

ASHOKAN WHITE ORPINGTON YARDS, Mr. and Mrs. P. A. Demgar, Props., BROWN STATION, N. Y.

Broken Cones and Crackers

Just the Feed Your Poultry Needs

The great secret of poultry feeding is "variety." It is the nature of fowls to search over a wide range for various foods, and where this is possible, poultrymen obtain the best results. In Broken Ice Cream Cones and crackers, poultrymen will find "just the thing" to make variety and add a pleasing taste to the fowls' food.

SEND FOR SAMPLES AND PRICES

JOSEPH F. HERRMANN & CO., 1318 Fisher Bldg., CHICAGO, ILL.

Blue Orpingtons -:- Silver Campines

If you want to win at the fall shows in either of the above breeds, let me know your requirements, as, having bred the best crop of chickens I ever had, I can supply you. Live delivery guaranteed at port of landing.

MAX DE BATHE, Vice-Pres. English Poultry Club **Hartley Court, Reading, England**

S. C. White Leghorns Exclusively

D. W. Young's Strain, the finest in the world. 2,000 breeders on free farm range, occupying four fields. 1,000 yearling hens for sale at $1 each in lots of 20 or more. Fine breeding cocks and cockerels for sale. **My book, "Profits in Poultry Keeping Solved,"** price $1.00, given free with all $10 orders. Circular free.

EDGAR BRIGGS Box 144 PLEASANT VALLEY, N. Y.

Myers' Barred Plymouth Rocks

I will now sell a lot of my breeding birds at reduced prices to make room for growing young stock. These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder desiring choice exhibition and quality birds. I sell in lots and quantity to suit, and assure absolute satisfaction. Selected Breeding Cockerels, $5, $7.50, $10, $15. Selected Breeding Pullets, $3, $4, $5 to $10. Trios, $10 up. Pens, $15 up. A Special Pen of Male and 4 Females, $25. Remember I select and mate all birds sold. Write me your wants. **Eggs for hatching.** Write for free catalogue.

C. N. MYERS - Box A - HANOVER, PA.



Keeler's White Wyandottes

The World's Greatest Strain

Bargain prices on stock and eggs during June, July and August. 2,000 chicks growing on free alfalfa range. Send for 64-page art catalogue. Special sales list free (5 Red Stamps appreciated).

CHAS. V. KEELER

R. F. D. No. 11 **WINAMAC, IND.**

Third International Egg Laying Contest.

Contest report for July: The pen of English Leghorns owned by Tom Barron won the blue ribbon or first prize for the month with a yield of 250 eggs. Another pen of White Leghorns owned by P. G. Platt, Wallingford, Pa., won second place with 234 eggs to their credit. An Ohio pen of White Leghorns owned by Charles Heigl of Rocky River won third place with 228 eggs for the month. All ten of the leading pens for the month of July were White Leghorns. The most interesting development during the month was the fact that a pen of White Leghorns entered by the Storrs Experiment Station stood one egg ahead of the English Wyandottes at the close of the month; in other words, they were leading every pen in the contest. This particular pen has had no beef scrap or fish scrap since the contest opened, but instead they have had all the sour milk they could consume. Another interesting point in this connection is the fact that these experimental Leghorns were just five months old when the contest opened November last; they were hatched the last day of May.

The pen of English Leghorns moved from fifth place up to third during the month, passing the Connecticut pen of Wyandottes now in fourth place and the R. I. pen of Wyandottes now in fifth place. No individual hen has yet reached the 200 egg mark but during the first nine months of the contest an English Wyandotte has yielded 194 eggs, an experimental White Leghorn has produced 190 eggs and a Connecticut White Wyandotte has laid 188 eggs during this period. Some 30 individuals including Plymouth Rocks, Wyandottes, R. I. Reds and Leghorns have laid 165 eggs each or more, up to August first. Sixty-five individuals including Plymouth Rocks, Wyandottes, R. I. Reds, Leghorns, Orpingtons, Campines and "Hens," laid 25 eggs each or more during the month of July, and two of these hens, namely an English Wyandotte and a White Leghorn, owned by J. J. Linehan, Hingham, Mass., produced 29 eggs each during this period.

The ten best individual scores to date are as follows:

Pen.		Eggs.
14	English White Wyandotte	194
40	Experimental White Leghorn	190
16	Connecticut White Wyandotte	188
42	Experimental White Leghorn	184
42	Experimental White Leghorn	183
14	English White Wyandotte	181
40	Experimental White Leghorn	180
42	Experimental White Leghorn	177
53	Connecticut White Leghorn	177
53	Connecticut White Leghorn	176

It will be noted from the leading pens given below that the best average production attained to date is 163.7 eggs, made by the experimental pen alluded to above with the English Wyandottes a close second with 163.6. At this writing the race is exceedingly close and it looks as if anybody might win. Barron's Leghorns are about 100 eggs behind the best pen of American Leghorns. These, however, are only 21 eggs behind Barron's Wyandottes.

The ten leading pens to date are as follows:

Storrs Experiment Station, Pen 42*—White Leghorns	1,637
Tom Barron, Catforth, England—White Wyandottes	1,636
Francis F. Lincoln, Mt. Carmel, Conn.—White Leghorns	1,615
Tom Barron, Catforth, England—White Leghorns	1,511
Merrythought Farm, Columbia, Conn.—White Wyandottes	1,467
Neale Bros. Apponaug, R. I.—White Wyandottes	1,461
Cecil Guernsey, East Cobleskill, N. Y.—White Leghorns	1,378
A. B. Brundage, Danbury, Conn.—S. C. Rhode Island Reds	1,373
P. G. Platt, Wallingford, Pa.—White Leghorns	1,364
Storrs Experiment Station, Pen 41*—White Leghorns	1,348
Storrs Experiment Station, Pen 40*—White Leghorns	1,336
Branford Farm, Groton—White Leghorns	1,333
Bonnie Brook Poultry Farm, Saratoga, N. Y.—White Leghorns	1,318

*Not in competition.

Wm. F. Kirkpatrick.

SINGLE COMB RUBY REDS

A choice lot of Breeders for sale at $3 to $15 each.

Buff Orpington Ducks Trios from $5 to $15.

FRED W. OERTEL Box X BRIGHTON, ILLS.

Andrews' Products.

The Andrews Paper Box Co., Chattanooga, Tenn., are the manufacturers of exhibition shipping coops, which beyond a question are the most unique and cheapest coops ever put on the market. The show season will soon be in full swing and any of our readers in need of coops will do well to write for prices addressing this concern as above. They also make a salve which will exterminate lice and mites— the name of it is Andrews' Deathmite Salve. It has been used successfully for years at the Efficiency Strain Poultry Farm before this firm ever put it on the market. Andrews' Safety Egg Carriers are advertised on inside back cover of this issue. Look up their ad and write for further particulars.



The above cut is that of F. E. Harrison, Box 30, Menominee, Mich., originator and breeder of the Royal Red Strain of Rhode Island Reds. Mr. Harrison has been a breeder and exhibitor of Rhode Island Reds for the past twelve years. He has made Single Combs a specialty, and has today one of the very finest strains in America. He has for several years back sold a good many Rose Combs for the largest shows in the country, but has never advertised only the Single Combs. Mr. Harrison writes that he has now three thousand head of Single Combs, which are rapidly developing into the very finest specimens, and is in a position to furnish either young or old stock of the very highest type possible. He has already booked orders for Single Combs for the New York, Boston, Buffalo, St. Louis and Crystal Palace, London, shows, besides many other state shows and smaller exhibitions. Mr. Harrison is now busily engaged in preparing his new catalogue, which will be gotten out this winter and will undoubtedly be the finest Rhode Island Red catalogue ever offered. It will contain an exact reproduction in natural colors of a pair of Reds and the work and plates of this picture alone cost $1,000. These figures as to the cost of this plate are accurate, and anyone doubting it can address a letter to Mr. Grant M. Curtis, Buffalo, N. Y., who will substantiate this statement. This picture will appear in the December issue of the Reliable. We are informed on good authority that it is the finest work on Reds ever finished. The work was done by Mr. Franklane L. Sewell, and the copies of this picture will no doubt be in much demand by all Red breeders. Mr. Harrison has made arrangements with Artist Stahmer to make a trip to his farm in the near future and an early edition of this paper will contain photographs taken of the farm and birds, and will show one of the most modern and finest equipped poultry plants in America. The entire farm is devoted to the breeding of Reds, and the entire time of four men is taken up with the care and handling of them, besides Mr. Harrison's work of overseeing to the details and selecting all birds that are sent out. In order to properly house and care for the large amount of young stock Mr. Harrison is making a reduction in prices of breeders that will pay anyone interested in Reds to get their order in early. New fall sales sheet is now ready.

War and the Orpington Outlook.

The great European conflict is doing wonders for the expansion of America in every direction. People are learning that they do not have to seek abroad the good things, yes the best things. Among other things the value of the American Orpington is being recognized.

America this year will show that her Orpingtons are stronger than the imported birds. In former years many thought that England was the only place where the best was to be found, and large sums of money crossed the pond in search of the perfect bird. But war prohibits this. The trade this year will be home trade. Naturally the American strain that has won the majority of first prizes for many years, that has beaten the best that England has sent over, and proven its supremacy in the utility end, will appear in the limelight. That's the position Sunswick Poultry Farm is in.

They are prepared for this with as fine a lot of S. C. Buffs as ever existed and have on hand a wonderfully fine lot of early hatched cockerels and pullets, ready for the fall and winter shows. They're winners. The hatching season was not a good one and naturally the supply is limited. The wise man will place his order early and get the best. We wish to announce the important change in the managership of their plant. After Sept. 5th the place of Mr. Arnott will be filled by Mr. William Hobbs, who has to date managed the Joe Pye Orpington Farm. He is looked upon as one of the best S. C. Buff Orpington breeders in the United States and is unexcelled as a master breeder of exhibition birds. Sunswick prides itself in obtaining his services. Remember, you are able to buy the best S. C. Buffs in the world right at Sunswick Poultry Farm, South Plainfield, N. J., and they are ready, too, for the season's shows, at the most reasonable prices. Catalog sent immediately upon request.

A WARNING TO POULTRY RAISERS ABOUT LICE.

Dr. Hess Says Lice Cause Egg Shortage.

While the subject of egg production is now being prominently discussed all over the country, it would not be amiss to heed the warnings of Dr. Gilbert Hess on the louse question.

"It stands to reason," says Dr. Hess, "that hens cannot possibly do their best when they are pestered by lice. These parasites rob the hen of her vitality, and this, with the continual annoyance which they cause, is one of the chief reasons why a lot of poultry raisers are not getting the number of eggs they should."

The Doctor is right. We do not pay enough attention to the birds and their surroundings. Hens should be examined occasionally and dusted with some good reliable louse powder. We should also sprinkle the roosts, cracks and laying nests thoroughly.

We might mention right here that Dr. Hess himself is the compounder of one of the most reliable louse powders in the country—Dr. Hess' Instant Louse Killer.

This preparation is guaranteed by Dr. Hess to kill lice on poultry and farm stock, bugs on cucumber, squash and melon vines, cabbage worms, and slugs on rose bushes. It is sold in sifting-top cans. We advise readers to give the louse question serious attention and inquire from local dealers about Dr. Hess' Instant Louse Killer.

PALACE NEW YORK SHOW WINNING

Barred Plymouth Rocks

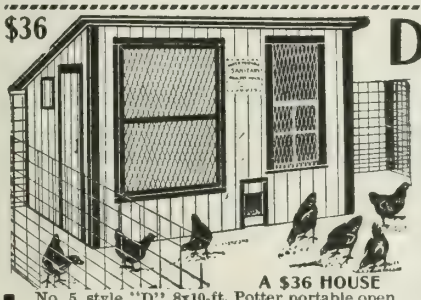
In this great class of 213 quality birds I win First Prize Cockerel and Color Male Special. First Prize Pullet and Color Female Special, and Second Prize Exhibition Pen on four entries made. For color and clean cut barring these birds were the class of the exhibit.

STOCK FOR SALE—EGGS FOR HATCHING

Have mated my winners and others of this same line from which I win. Sell eggs at $5.00 per setting of 13, $15.00 for 50. Satisfaction assured.

J. D. HARCOMBE -:- Grand View-on-Hudson, N. Y.

$36



A $36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17 style "A" 5-ft. 3 perch complete hennery outfit for 30 hens. Price of complete house, $36. Painted 2 coats.

Don't Build you can buy better, cheaper, more complete, ready-made (factory made) hen houses, roosting and nesting features, coops, hoopers, etc., from Potter & Co. We buy No. 1 high grade cypress lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures

Portable - Sanitary - Inexpensive

Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a **Potter Portable** with complete outfit of roosts, dropboards, and nests. You save money too. A clean, sanitary henhouse means healthy hens and lots of eggs.

OUR BIG CATALOG

contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalog and circulars on the Potter System book.



A $6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter hennery outfit for 36 hens. This same style made in 12 sizes.



Don't Kill or sell your laying hens.

Use the POTTER SYSTEM and pick out the layers from the loafers and diseased hens. Keep only healthy laying hens. The POTTER SYSTEM is a secret and the greatest discovery of the century in the poultry world on the subject of Egg Producing Hens. Used by over 3,000 satisfied poultry keepers, who are saving dollars every year.

Our new 100-page Potter System book, "DON'T KILL THE LAYING HEN", contains the secret and knowledge about laying and non-laying hens. It's revelation to poultry keepers, and you will learn how you can use the Potter System on your flock, keep less hens, get more eggs and make more money using it. Write today, sending two red stamps to cover postage on our large catalog and circular telling about Potter Poultry Products made for Particular Poultry People. If you are particular and want to make more money on your flock, you will write us today.

T. F. POTTER & CO.

Box E-21 Downers Grove, Ill., U. S. A.

Crede's Superior Silver Campines

IMPORTED FROM ENGLAND. SOME FINE YOUNG STOCK FOR SALE.

WM. CREDE - - - 670 SLADE AVE., ELGIN, ILLS.

Rose Comb Rhode Island Reds

A few good males left, including my prize winners. Young stock better than ever, bred from Cleveland, Buffalo, and Chicago winners. Write me your wants.

H. H. HOLMES - - - 49 Lockwood St., Ashtabula, Ohio

SPECIAL SUMMER PRICES ON STOCK

BUFF ORPINGTONS

This is the flock that produced the 1914 champion male at Illinois State Show, Springfield. I have some attractive bargains for the man who wants quality. Old and young stock ready to win for you. Write me.

A. B. PORTER - - Box 4 - - LaSALLE, ILLINOIS

S. C. ORPINGTONS Buff

SPECIAL SUMMER SALE—I will sell a number of my breeders, prize-winners included, at bargain prices. Write me your wants.

ROSELAND POULTRY FARM, CHAS. W. SWITZER, PROP., SO. EUCLID, O.

CAMPINES

Eggs half price balance of the season.

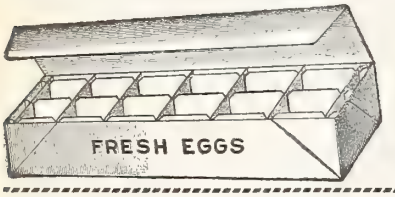
BOOKLET FREE

DR. J. H. PRUDHOMME, THURMONT, MD.

Drinking Fountains

Protect your fowls from their own contamination and supply them with fresh, pure water at all times. We have these fountains in all sizes. Prices, from 15 cents for quart size to $2.25 for 4-gallon size. Sold under positive guarantee of money refunded if not satisfied. Send for catalogue today.

SIMPLEX SUPPLY HOUSE, Pontiac Building, CHICAGO, ILLINOIS



One Dozen Egg Boxes

20 Different Grades

If you are interested, write to the manufacturers and pioneers of the folding paper egg box for catalog FREE

THE A. O. CRAWFORD COMPANY, INC.,
Established 1885 South Weymouth, Mass.

Single Comb White Leghorns

SUPREME QUALITY UNSURPASSED VALUE

If you desire them get in touch with us. We are about to break up our matings and will have several hundred Leghorn hens for sale. Our prices are right—our treatment exact. Correspondence solicited.

Spring Water Poultry Farm, Frank J. Eppele, Prop., R. F. D. No. 1 Stockton, N. J.

Wyckoff's S. C. W. Leghorns

Acknowledged everywhere the World's greatest laying strain. Unequalled in Standard qualities

2,000 head of breeding stock for sale, including yearling Hens and Cocks and hundreds of strong, vigorous, early-hatched **free farm range reared** Cockerels and Pullets. Place your order early, and do not be one of the hundreds that we are obliged to disappoint each season. Remember that we are the originators and for over 30 years specialty breeders of the justly celebrated "Wyckoff" Strain of S. C. White Leghorns, the most profitable strain of poultry in America today. Catalogue free.

C. H. Wyckoff & Son - Aurora, Cayuga Co., N. Y.

PATENTS THAT PROTECT AND PAY

Send for FREE 96-page book. Advice free. Terms reasonable. Highest references. Best results. Send sketch or model for FREE search. Recommended Patent Lawyer in the Banker's Register **and special list of selected lawyers.** Also in Martindale's Law Directory, Sharp & Alleman's Directory of Lawyers The Gast-Paul Directory of Lawyers, and Kime's International Law Directory.

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Large List of Inventions Wanted, FREE.

A large list of strong recommendations furnished free.

Watson E. Coleman, Patent Lawyer, 622 F St., N. W., Washington, D. C.

Have You Seen the Neponset Doll House?

We don't mean in the Saturday Evening Post or in the many trade papers—but set up on some living room floor, filled with doll furniture, and presided over by one or more little Miss Tuffats with girlish charm and girlish gossip? If you have, you know what a lot of playhouse this is for a two-dollar bill. We doubt very much if two dollars ever brought more joy to children's hearts than this splendid doll house.

Coming from New England, and the very heart of New England—Massachusetts—one could hardly expect its architecture to be anything but New England Colonial. From chimney cap to ground floor it is pure Colonial in style. Red Colonial chimney; the blinds green Colonial.

The playhouse is astonishingly well built with solid wood frame. The windows are translucent fabric. The house is open at the back so as to permit doll furniture to be easily moved about in all the rooms of both floors. Remember this is not a one-story bungalow—but a real house with upstairs as well as downstairs.

Why this doll house? It was conceived by Bird & Son of East Walpole, Massachusetts, as the best way to show how the famous line of Nepsonet Products actually looks. This could not adequately be done by samples. Hence the idea of a complete play house built with Neponset Products.

One who has seen this house can not help but carry a lasting eye-impression of the two newest Neponset Products—Wall Board and Floor Covering. The sides and roof are made of the former—while strips of the latter are laid on some of the floors. Even the roof is greyed slate color to represent Neponset shingles.

To see this doll house is to get a lasting impression of Neponset quality—that which more than any other one thing has made the Neponset industry grow from a tiny beginning in 1795, through four generations of the same family, to a capacity output of five large factories.

The "man about to build" who has seen this (2' 6"x1' 3"x1' 7") Neponset doll house certainly knows (not what he hopes to find but) what he actually will find in the entire standardized line of Neponset building Products: Paroid for low pitch roofs; shingles for a fire-resisting, ornamental roofing, red roof and proslate roofing; Neponset flashing; waterproof building papers, florian sound deadening felt for floor, wall board which takes the place of lath and plaster, floor covering and paints.

For a souvenir of a business and a giver of amusement we have never seen a happier combination than this. Has it "caught on?" Over 4,000 already delivered prove that the right combination of fun and salesmanship is still an efficient factor in merchandising.

Ferris Leghorns.

Geo. B. Ferris, of Grand Rapids, Mich., has just written us that he won as follows at North Dakota State Fair, Fargo, N. D., July 20 to 25, 1914: Cock, 1st and 3d; cockerel, 1st and 2d; hen, 1st and 3d; pullet, 1st, 2d and 3d. He is offering some excellent bargains in show and utility birds in his ad elsewhere in this issue. Write him your wants and mention A. P. J.

A. B. Porter, the Buff Orpington specialist at La Salle, Ill., says that the quality of his young stock this season is far ahead of any previous year. It will be remembered that he produced the champion male and first prize young pen at the last state show. His Golden Buffs will be exhibited again this year at the leading shows. He certainly has high grade Buffs and his prices are very reasonable.

One of the most useful and appropriate souvenirs given away at the recent annual convention of the American Poultry Association was a combination punch and cigar clipper. This very neat little souvenir was freely distributed by the Otis & Moe Manufacturing Co., of Chicago. Every poultryman needs a poultry punch and many of them a cigar cutter. This will now enable them to smoke while they punch. This article, however, is not to be retained by the Otis & Moe Manufacturing Co. as a souvenir, but this was only a means of introducing the novel and useful little device which they are now manufacturing for sale, as you will note by an advertisement elsewhere in this issue.

IF INTERESTED IN

WHITE RUNNERS

Write me for prices. Fine lot of exhibition birds for sale at reasonable prices. Mention Am. Poultry Journal.

E. G. Curtis Atsion, N. J.

Summer Sale of Trap-Nested Layers

The Peabody Farms have in their Breeding Yards hundreds of birds that have high records as layers during the first six months of this year. We have thousands of early hatched chicks bred from them that are coming along in fine shape. We are now offering to the public our first Summer Sale. This will be an exceptional opportunity to secure **White Leghorns, Orpingtons, Rocks and Wyandottes** that are layers and have records behind them.

We are booking orders for cockerels. We will deliver the birds at your convenience. We will ship you all the birds you desire on approval.

Let us select your breeding **Drakes.** We have hundreds of **White Pekin Youngsters.** We are offering our old breeders at a great sacrifice.

We are now booking orders for Fall delivery of chicks.

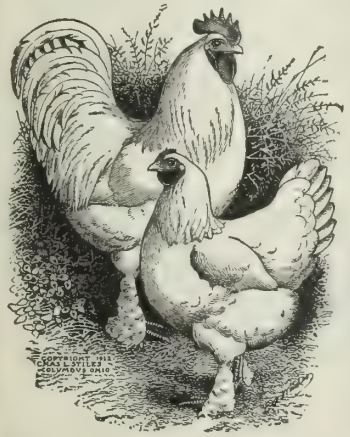
We have **White Holland Turkeys, White Embden Geese, White Guineas and White King Pigeons. Mallard Ducks, Wild Geese, and Pheasants of all kinds.**

PEABODY FARMS, Hinsdale, Ill.

White Langshans

Handsome, healthy and active, with an egg record of 130 eggs in 132 consecutive days.

Old and Young Stock For Sale



Mohawk Poultry Yards

R. H. Moore, Owner

R. F. D. 1 Nellie, Ohio

White Indian Runner Ducks for sale at bargain prices.

What Others Say About Prescription No. 4.

"Many of our hens laid right through the moult last year, thanks to your Prescription No. 4."—The Hartman Poultry Farm, Columbus, Ohio.

"No. 4 is sure all O. K. Don't want to be without it. Am getting eggs every day while others are getting none."—R. C. Smith, Fort Dade, Fla.

"No. 4 makes my hens lay."—Leo Eckert, Jasper, Ind.

"No. 4 seems to work wonders for me. What price on larger lots?"—W. H. Carpenter, Elgin, Ill.

"No. 4 satisfies me well. How much by the 100 pounds?"—Christ. J. Wigger, St. Meinard, Ind.

"It surely makes the hens lay. What price in 100-pound lots?"—D. H. Pores, Van Nuy, Cal.

"No. 4 is certainly a great thing."—Eugene L. Hills, Vice President, Missouri Wesleyan College, Cameron, Mo.

We believe that every poultry raiser should try No. 4 on the liberal terms of 1 pound for 25c or 5 pounds for $1 and your money back if it fails. Write the Nabob Remedy Co., Box A, Gambier, Ohio. They want agents everywhere.

Fresh Air Makes Chicks Strong.

"It isn't any wonder a lot of your chickens die and the rest are unhealthy when they breathe foul air over and over again—swelter in hot weather—suffer from drafts and excess moisture in winter," said a well-known poultryman to a farmer recently. "Why don't you give them fresh air just as you do yourself?"

That poultryman spoke the secret of successful poultry raising—fresh air. He made a point of immense value to owners of portable poultry houses and others in which ventilation is poorly provided for, and which, because of that one fact, have caused most of the poultry raisers' troubles. However, if there used to be any excuse for illy-ventilated poultry houses there is none now, for a German has invented a thoroughly scientific and practical ventilator for poultry houses, which is called the Essenbee Ventilator.

The price of the Essenbee is within reach of all poultry raisers. As a matter of fact, it will pay its cost many times over in the number of chicks it saves. It is made by the Essenbee Company, 2144 Rice St., Chicago, Ill., who will gladly furnish full details on request. See their advertisement in this issue.

Rabbit Culture and Standard.

Rabbit Culture and Standard, published by the Poultry Item, Sellersville, Pa., is just off the press. It is the most complete work on the subject ever prepared and is the last work of the late Dr. Roth finished by Chas. T. Cornman. Dr. Roth was considered the best authority on Hares, Rabbits and Pet Stock, either in this country or England, and for a number of years had charge of the Poultry Item's Belgian Hare Department. Unfortunately Dr. Roth passed away before the book was finished, which necessitated Mr. Cornman completing the work.

It is full of information from cover to cover that is worth dollars to breeders of Hares and Rabbits. It effectually covers the subject of Feeding, Breeding, Housing, Diseases and their Remedies, Selection of Breeders and Judging, and is the only book published giving the official standard of every variety. It will be the same to rabbit breeders that the American Standard of Perfection is to poultrymen. Every breeder needs one, and every breeder will eventually have one. The price of the book is only 50 cents with paper cover, $1.00 bound in cloth and $1.50 with flexible leather binding. We can furnish it promptly on receipt of price.

Parmenter Back at Old Stand.

We desire to call our readers' attention to the fact that Robt. D. Parmenter, breeder of high class S. C. White Leghorns, is again back on his old stand at Knoxville Ill., having resigned the position as manager of Flanders Leghorn Farm, of Orchard Lake, Mich. He is offering our readers some excellent bargains in show birds and utility stock—see his ad elsewhere in this issue. Mr. Parmenter, while manager for Flanders Leghorn Farm, won five firsts, $50 silver cup for best display, $10 gold special for best display, special for best shaped male, special for best colored male, Swiss gold watch for best exhibit and sweepstakes—all these prizes, won at Chicago Coliseum show, 1913. He is now prepared to furnish winners for leading shows—write him your wants mentioning American Poultry Journal.

S. C. Buff Leghorns.

Mr. F. S. Smith, of Hamilton, Ohio, has just advised us that he has over 5,000 S. C. Buff Leghorns this year, the finest he ever had. He is now ready to supply you with a single bird or pen for any show and guarantees entire satisfaction or money back. His birds have won in the hottest competition at leading shows. Write him your wants, mentioning American Poultry Journal. Catalog free for the asking.

Jonesboro, Ark., Aug. 3, 1914.

H. I. Co., Salem, Va.

Inclosed find money order for 1 dozen $1 size "Oculum."

I know the value in results I have obtained from "Oculum" and will only be too glad to recommend personally the use of "Oculum" to anybody and everybody who grows poultry. Paul E. Archer.

Red Sussex Farms, Marysville, Mich., report their young Red and Speckled Sussex are showing great quality, both in type and color. If this war puts a stop to their importing females to sell with their cockerels, they will be sold out before the show season is half over. This firm is in a position to give great quality in cockerels, which show the quality and breeding of their sires—the best Sussex that ever crossed the Atlantic. Place your orders now.



山の内

Yama Farms

OUR summer sale offerings include many of our New York State Fair winners, and the males heading the following pens of our 1914 matings. If you have not already received a copy of this mating list accurately describing these males we will send you one upon request.

MINORCAS

Pens 2, 7, 10

BARRED ROCKS

Pens 16, 17, 18, 18½, 19

In addition to these males, we have the finest, most uniform lot of males we have ever offered to the public, at summer prices. Every one sold on a money back guarantee. Write for a complete list of the birds we have to offer. Description, show record, and untouched photographs of many of them will be sent to those interested.

Yama Farms

Napanoch, New York

Associations and Shows

Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department

SHOW DATES, 1914-1915.

ALABAMA.

Oct. 1-9. Birmingham, Dr. H. F. Halstead, secretary; J. H. Drevenstedt, judge.
Oct. 26-31. Dothan, F. Thomas, secretary.

CALIFORNIA.

Jan. 6-12. South Pasadena, H. H. Mumford, secretary; Russell, Hinds, Goodacre, Masterson, judges.

CANADA.

Dec. 1-4. Hanover, Ont., C. E. Henning, secretary.

COLORADO.

Jan. 18-23. Denver, Fred P. Johnson, secretary; Tucker, Keeler, judges.

CONNECTICUT.

Nov. 18-21. Attleboro, Dr. Holman, secretary.
Nov. 23-26. South Norwalk, Chas. R. Petty, secretary.
Nov. 26-28. Danbury, Thomas Deans, secretary; Wolsieffer, Ives, judges.
Dec. 8-11. Hartford, Warren Hayden, secretary; Ives, Beebe, Balch, Shaylor, Tompkins, Williams, Stanton, judges.

GEORGIA.

Nov. 16-21. Columbus, J. S. Jenkins, secretary.

IDAHO.

Jan. 4-9. Boise, L. L. Long, secretary; W. M. Coats, judge.

ILLINOIS.

Nov. 30-Dec. 5. Peoria, J. T. Cunningham, secretary; D. E. Hale, O. L. McCord, judges.
Dec. 1-4. Kempton, Jas. R. Terrill, secretary; H. A. Pickett, judge.
Dec. 2-5. Benton, Sam Jones, secretary; Thomas B. Faulkner, judge.
Dec. 2-6. Streator, W. H. McCormick, secretary; J. C. Johnston, judge.
Dec. 2-6. Woodstock, Wm. Stearns, secretary; Frank Heck, judge.
Dec. 15-18. Murphysboro, O. L. Rawlings, secretary; J. Dagle, judge.
Dec. 15-19. Cowden, B. W. Breighner, secretary; E. G. Feanney, judge.
Jan. 4-9. Lanark, J. A. Shaner, secretary.
Jan. 14-20. Chicago, A. E. Lemieux, secretary.

INDIANA.

Dec. 8-12. Goshen, A. A. Kryder, secretary; C. V. Keeler, judge.
Dec. 9-14. Marion, Frank Sherwin, secretary; Earl Hemenway, judge.
Jan. 11-16. Lafayette, Edward Balser, secretary; B. O. Swain, judge.

IOWA.

Nov. 23-27. Shenandoah, Elmer V. Scott, secretary; Joseph Dagle, judge.
Nov. 23-28. Independence, C. J. Friedman, secretary; T. J. Rountree, judge.
Dec. 30-Jan. 4. Davenport, Harry W. Atkins, secretary.
Jan. 7-9. Hampton, H. W. Hardy, secretary; S. B. Mills, judge.

KANSAS.

Dec. 8-11. Fort Scott, S. S. Frary, secretary; Wibble, Emery, judges.

LOUISIANA.

Dec. 9-13. Alexandria, W. H. McCrackin, secretary; Van Winkle, judge.

MASSACHUSETTS.

Dec. 2-4. Holyoke, Geo. Barnett, Jr., secretary; Nixon, Fiske, Shaylor, Chapin, judges.

MICHIGAN.

Dec. 7-13. Battle Creek, O. P. Stancer, secretary; Wm. Wise, F. B. Havens, J. W. Mulinix, judges.
Dec. 16-19. Three Oaks, B. R. Chamberlain, secretary; C. V. Keeler, judge.

MISSOURI.

Nov. 16-21. Joplin, Ira B. Malin, secretary.
Nov. 24-29. St. Louis, Fred Crosby, secretary.
Nov. 30-Dec. 5. Sedalia, Fred A. Benz, secretary; Chas. McClave, judge.
Jan. 11-16. Kansas City, E. L. Noyes, secretary; Southard, Hobbs, Rankin, McClaskey, Meyer, judges.

MONTANA.

Jan. 18-23. Stevensville, J. L. Dorsh, secretary; Holdenof, Greenfield, judges.

NEW JERSEY.

Sept. 28-30. Trenton, Harry E. Rogers, secretary; Schwab, Punderford, Minich, Wolsieffer, judges.

Sunlight S. C. White Leghorns

(D. W. Young Strain)

Greatest Known Layers

I am offering eight weeks old cockerels at 50 cents each. Have them up to six months old. Write your wants and I will quote you prices. I have the most promising bunch of cockerels that I have ever raised. Will have no more eight weeks old pullets for sale this season.

Write me for prices on breeding pens. If you want the best in Single Comb White Leghorns, send for catalogue and prices. Satisfaction guaranteed. Best of references. "The most of the best for the least."

Choice Cockerels For Sale

SUNLIGHT POULTRY FARM

E. N. Lemon, Owner **Lynchburg, Ohio**



Partial view of Farm which is devoted to the production of Rhode Island Reds of the highest quality.

EVERMANS' Have A Red For Every Man

When better Single Comb Reds are bred, we will breed them. See our winnings. First in every Show entered last season. 3,000 for Fall delivery. Write for catalog.

EVERMAN & EVERMAN **Route 5** **GALLATIN, MISSOURI**

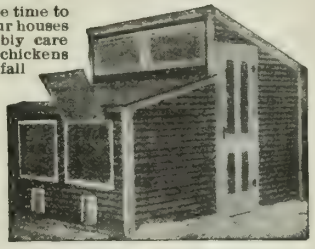
SKINNER'S STANDARD WHITE

WYANDOTTES

Blue Ribbon winners at Chicago, Indianapolis and St. Louis. A grand lot of birds for your fall and winter shows. Let me send you my catalogue.

F. E. SKINNER Box A SANDWICH, ILL.

NOW is the time to order our houses to comfortably care for your chickens through the fall and winter. Order from us at once and get the best out of your layers and breeders. We guarantee entire satisfaction. Prices reasonable. Catalogue sent on request. Mention A. P. J.



Perfection Portable Poultry House Company

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(In no way connected with any other Co.)

The Poultry Silo

In the cold winter months when your hens need green feed and exercise what is more appropriate than having a Poultry Silo? Hens are more fond of silage than any other food. Give them good winter quarters, plenty of sunlight, keep grit in boxes, and silage twice a day and you will be surprised at the results.

The Poultry Silo is the coming thing as it solves the feed problem once for all. Keeps poultry all winter the same as on range in summer—the cheapest and best food possible. Saves time, labor and expense. Complete set of blue prints and full instructions for $1.50, also little booklet "Poultry Silage". Send all orders to The Poultry Silo, Box 35, New London, Mo.



Help Your Hens

through the critical period of molting, and your pullets to rapid maturity. Put them at their best with

Pratts Poultry Regulator

25c. pkg. to 25 lb. pail at $2.50

Satisfaction guaranteed or money back.

That's the way to make money with poultry.

Use Pratts Disinfectant freely to keep poultry houses free from lice, disease germs, and foul odors. *35c. to $1.00*

51 **Ask your dealer for Pratts**

Pratts 160 page Poultry Book is a complete guide, handsomely illustrated. Be sure to get a copy. Sent postpaid for 10c.

Pratt Food Company 6038
Philadelphia Chicago Toronto

Nov. 25-28. Asbury Park, Frank H. Hodges, secretary; Kriner, Stanton, Minich, Kennedy, Horner, Applegate, judges.
Dec. 10 - 12. Caldwell, Charles H. Schlaefer, secretary; Wolsieffer, Nixon, judges.

NEW YORK.

Oct. 19-24. Sayville, Ira Beebe, secretary; Shaylor, C. M. Smith, judges.
Nov. 9-14. Gloversville, A. J. Watson, secretary.
Nov. 23-28. Buffalo, W. C. Denny, secretary.
Dec. 7-12. Rochester, J. W. Chapman, secretary; H. Nicholson, W. H. Card, C. H. Welles, Chas. Nixon, Chas. T. Cornman, judges.
Jan. 11-16. Batavia, Lee Folger, secretary.
Jan. 12-16. Schenectady, H. J. Fuller, secretary; Riley, Braun, Rice, Corey, Van Alystine, Otto, McDonald, Hill, judges.
Feb. 12-18. New York, Chas. D. Cleveland, secretary.

OHIO.

Nov. 30-Dec. 6. Toledo, J. S. Ball, secretary; J. H. Drevenstedt, Frank F. Conway, Newton Cosh, judges.
Dec. 8-13. Dayton, C. D. Forney, secretary; Pierce, Cosh, judges.
Jan. 5-9. Newark, B. F. Kent, secretary.
Jan. 12-16. Wadsworth, Chas H. Ries, secretary; Geo. W. Webb, judge.

OKLAHOMA.

Dec. 16-19. Mountain View, P. A. Parnell, secretary; C. A. Emery, judge.

PENNSYLVANIA.

Sept. 22-25. Allentown, W. Theo. Wittman, secretary.
Sept. 29-Oct. 2. Lancaster, F. G. Christman, secretary; Cornman, Fell, judges.
Nov. 17-20. Ridgeway, C. O. Romick, secretary; Chas. McClave, judge.
Nov. 23-28. Pittsburgh, A. J. Henning, secretary.
Nov. 25-28. Williamsport, Geo. J. Hanks, secretary; Oke, Schwab, Nixon, Riley, Punderford, Chapman, Mills, Koons, Bradford, judges.
Dec. 15-18. St. Marys, F. D. Lambert, secretary; Turner, Ingram, Peters, judges.
Dec. 28-Jan. 2. Berwick, R. S. Hortman, secretary.
Dec. 28-Jan. 2. Warren, L. E. Conroy, secretary.
Jan. 11-16. Bentleyville, E. C. Snyder, secretary; Oscar E. Mills, judge.
Jan. 12-16. Johnstown, W. S. Krise, secretary.
Jan. 18-23. Pittsburgh, W. P. Craig, secretary; Kummer, Punderford, Card, Rice, Schwab, Hewes, Oswald, Lewis, Rawnsley, Wittman, judges.

RHODE ISLAND.

Nov. 5-7. Pawtucket, E. J. Gibbons, secretary; Allen, Andrews, Fiske, Ballou, Rogers, Feather, judges.

SOUTH CAROLINA.

Nov. 18-20. Bennettsville, R. C. Newton, secretary.

TENNESSEE.

Sept. 21-26. Nashville, John A. Murkin, secretary; Dipple, Owen, judges.
Sept. 28-Oct. 3. Albashire, Bartlett, M. F. Schultes, secretary.
Dec. 7-12. Chattanooga, F. C. Rose, secretary; C. I. Fishel, F. J. Marshall, judges.

TEXAS.

Nov. 3-8. San Antonio, Geo. Loessberg, secretary; H. B. Savage, judge.
Dec. 2-5. Austin, Mrs. M. D. Carr, secretary; N. L. Hutchison, judge.

VIRGINIA.

Sept. 22-25. Roanoke, L. A. Scholz, secretary.
Nov. 18-20. Berryville, J. E. Harris, secretary; G. O. Browning, judge.

WASHINGTON.

Dec. 15-19. Spokane, Mrs. H. A. Klussman, secretary; Jas. A. Tucker, judge.
Dec. 29-Jan. 2. Tacoma, J. A. Caddey, secretary; W. S. Russell, judge.

WISCONSIN.

Dec. 15-19. Waupaca, W. H. Ottoman, secretary; T. J. Rountree, judge.
Dec. 25-30. Beloit, Guy S. Lee, secretary; T. J. Rountree, judge.

———o———

The annual exhibition of the National Western Poultry Show will be held in connection with the National Western Stock Show at the Union Stock Yards, Denver, Colo., during the week of January 18-23, 1915. The comparison method will prevail, with Tucker and Keeler placing the awards. Entry fees constitute the premium money, making every class a sweepstakes affair. As 100,000

Zimmerman's Rose Comb Reds

High class yearling hens and cocks for sale. Stock sold on approval. Mention Am. Poultry Journal.

W. F. ZIMMERMAN Willoughby, Ohio

WHITE ROCKS—Fishel Strain

Summer sale of breeders. Eight weeks old chix. Pullets and cockerels for sale. Write for price list.

T. F. RICHARDSON "Colfax" EVANSTON, ILL.

S. C. Buff Leghorns for 24 yrs.
Columbian Plym. Rocks, 9 yrs.

BREEDERS FOR SALE. PRICES LOW.

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BUFF ORPINGTONS COOK STRAIN

Eggs for sale from prize winning stock.

VICTOR L. ADELMANN R. F. D. 1 Beardstown, Illinois

STUEBE'S WH. ORPINGTONS

"The Best in The West." If you want stock or eggs, write me. Square deal and reasonable prices.

Len F. W. Stuebe R. R. 2, Danville, Ill.

R. C. BLACK MINORCAS

Eggs and Stock for Sale. Ask for Prices.

E. M. Campbell, 571 N. Fourth St., Columbus, O.

Let Me Start You In The Poultry Business My "Peerless-60" is a revolution in incubators,—first practical, all-metal, fire-proof, everlasting 60-egg machine ever known. Perfect heating system. For large or small poultry raisers. Delivered anywhere, $6.00. Write for details.

H. M. SHEER CO., 104 Hampshire St., Quincy, Ill.

Cramer's Regal Reds

R. C. Rhode Island Reds Exclusively

Bean and Prickett Strains

We are now booking orders for show birds and can fill your wants for early shows. Also utility stock for sale. Write us. Mention A. P. J.

Cramer's Red Feather Poultry Yards
Eagleville, Missouri

A MILLION HENS USE
Wellcome's Famous
"Ideal" Trap Nest

Shows which Hen Laid the Egg

New Principle, 100 Per Cent Efficient

F. O. Wellcome Box J Yarmouth, Me.
Write NOW for prices and proof.

"World's Best"
Bl. Minorcas
"Canada's Best"
S. C. R. I. Reds

Please send for sale list and testimonials, also list of prizes won which are convincing proof that our S. C. Black Minorcas are the "World's Best" and our S. C. R. I. Reds are "Canada's Best".

We had 130 chicks hatched this season before April 1st and they are a grand lot. They are now ready for sale.

We will exhibit at Toronto and London in Sept. and every bird on exhibition will be for sale.

T. A. Faulds, London, Ont., Can.
Pres. Black Minorca Club of Canada

Black Langshans

Stock and Eggs at Summer Prices. Free Catalogue.
M. S. BARKER, R. 1, Thorntown, Ind.

BILLINGS'
Rhode Island Reds

Both Combs. If you are looking for quality, write to me. Mating List free.
B. M. BILLINGS, Box A, OBERLIN, O.

VARIETY LEADERS IN TWO EGG CONTESTS
S. C. BUFF ORPINGTONS

Breeders and Young Stock now on sale.
CHERRY LANE FARM CO., Box 148, OAK HILL, W. VA.

SPECIAL SALE on Eggs, Day-Old Chicks and Stock in S. C. Buff, Bl. and Wh. Orpingtons, Barred, Buff and Wh. Rocks, S. C. W. and Brown Leghorns, S. C. and R. C. Reds, Wh. Wyandottes and S. C. Bl. Minorcas. Sale listand catalogue free. Address GOSHEN POULTRY FARMS, Route 7, Goshen, Ind.



SPECIAL SALE OF YOUNG STOCK

	Ckls.	Pits.	Trio
Silver Campines	$3.00	$4.00	$10.00
W. C. B. Polish	3.00	3.00	8.00
Wh. Wyandottes	2.00	2.00	5.00

J. C. COFFIN & CO., Box A, Sewickley, Pa.

BARRED PLYMOUTH ROCKS
210 Eggs in 259 Days, the record of one female in pen at International Egg Laying Contest last year. Our pen (five birds) have record of 836 eggs in 9 mo. and 11 days of actual laying. Send for cataiog.
MAPLE GRANGE POULTRY YARDS
S. M. Goucher Moorestown, N. J.

Harnly's Wh. Orpingtons

Won highest honors in America. Free catalogue.
SUMMER SALE
MRS. J. H. HARNLY, 2301 Elisha Ave., ZION CITY, ILL.



Stayon Aluminum Poultry Band
Smoothest and most secure. 25-20c; 50-35c; 100-60c; 200-$1.00 bill. Catalog, 5 samples 5c; no stamps.
American Band Works
Box 297, Canton, Missouri

S. C. W. Leghorns and Anconas

EGG LAYING STRAIN

THE KELLS FARMS, New Paltz, N. Y.

Golden and Silver Campines

Limited number of yearling breeders for sale. Now is the time to buy them right.
MANHATTAN FARMS
Geo. E. Noeth, Owner Brighton, N. Y.

Blencoe's Anconas

PULLETS LAYING
Great Show Birds
White Orpingtons at a sacrifice
Mrs. Guy Blencoe Alma Center, Wis.

1000 Pullets For Sale

S. C. W. Leghorns
From our own heavy laying stock, bred and raised on our own farm. We guarantee all stock.
March hatched..$1.75— August delivery
April hatched...$1.65— Sept. delivery
May hatched....$1.50—October delivery
June hatched...$1.25—October delivery
RIVERSIDE POULTRY FARM GILBOA, N. Y.



Bred-To-Lay
Barred Ply. Rocks
1200 birds for sale. Address
O. F. Mittendorff
Box F, Lincoln, Ill.

Read page 1127

visitors, from all sections of the country, attend this show during the week, it makes a most attractive proposition for the exhibitor who can land the "blues." Western breeders of high-class birds will find warm competition here. Premium list can be obtained about November 1 by addressing W. C. Schuman, manager, 400 So. Emerson Street, Denver, Colo.

Notice to Show Secretaries.

The American Buckeye Club offers the following specials at the season's shows. Shows desiring them placed please print the following notice in their premium lists and send a copy to the undersigned. The American Buckeye Club offers four special ribbons, one each for best colored male, best colored female, best shaped male, and best shaped female. The club also offers a silver cup for best pen provided there are two or more entries by different exhibitors. Competition open to members of the club. Dues are $1.00 a year and should be sent to A. H. Weisberg, secretary-treasurer, Nevada, Mo. The club catalogue will be sent to any address for four cents in stamps.

National White Wyandotte Club.

The National White Wyandotte Club is without question the largest poultry specialty club in the country. At our last annual meeting, held at Cedar Rapids, Iowa, where there was a large and enthusiastic attendance, the following officers were elected: President, L. J. Demberger, Stewartsville, Ind.; vice president, W. R. Graves, Roselle, Ill.; secretary-treasurer, A. J. Gies, Delmar, N. Y.; executive committee, A. J. Smith, Cedar Rapids, Ia.; F. B. Williams, Naugatuck, Conn.; E. E. Mack, Thomasville, Ga.; J. W. Andrews, Dighton, Mass.; J. S. Martin, Port Dover, Ontario.

The National White Wyandotte Club will offer a set of five handsome ribbons at every show in the United States and Canada desiring same, these ribbons to be competed for by club members only. Show secretaries should write at once for the ribbons. The club will also offer $100 special money to be competed for by club members at its next annual meeting, and will offer $50 at each of four different shows in different parts of the country. Handsome silver cups will also be offered in each state where there are ten or more members, and this means in practically all the states.

The 1914 Year Book is now ready to mail. The club is making very rapid strides and has members in forty-four states, in Canada and Cuba. The Year Book contains eighty-four pages, is printed on the best paper to show up the illustrations and the text, and has many items of interest that will prove helpful to every White Wyandotte breeder. The Year Book will be sent free to all White Wyandotte breeders who will apply to the secretary-treasurer for a copy of same. Membership in the National White Wyandotte Club costs but $1.00 a year, and breeders remitting this amount now will receive a paid-up membership to October 1, 1915. I will be glad to furnish further information or application blanks.

A. J. GIES,
Secretary-Treasurer.

Notice to Show Secretaries.

The Buff Minorca Club of America will offer at this exhibition a set of five handsome and valuable silk ribbons to be competed for by club members, one each on first cock, cockerel, hen, pullet and pen. To win these ribbons there must be competition in all classes, but not necessarily by club members. If you are not now a member you should send the $1.00 membership fee to the secretary at once. You can become a member any time before the entries close. W. P. Williams, Secretary-treasurer, 1102 W. 52d St., Los Angeles, Cal.

Light Brahma Specials.

The American Light Brahma Club offers its handsome silk ribbons as follows: One for best shaped male, one for best shaped female, one for best colored male and one for best colored female. These specials will be awarded only where the winning exhibitor is a member of the club. For example: If the best shaped male is not owned by an A. L. B. Club member then the ribbon will be withheld unless that owner joins the club through the local show secretary before the close of the show. Membership may also be obtained by sending $1.00 (paying all dues to October,

The Raven's Rose Comb Red

sale of breeding stock at a big reduction.
M. C. De LOOF Box 171 WILLOUGHBY, OHIO

White Orpingtons

Summer eggs one-half catalogue prices.
WOOLERY FARM Box A BLOOMINGTON, IND.

Keifer's White Wyandottes

Some beautiful cockerels and pullets now ready to win your State Fair, or early Fall show.
FRED B. KEIFER MARSHALL, ILL.

Silver Laced Wyandottes

AMERICA'S BEAUTY STRAIN
Old and young stock for sale,
Ewing & Romich, Lock Box 393, Creston, O.



"IF CHICKEN CHOWDER won't make your hens lay, they must be roosters." Full particulars and 48-page Poultry Book free for the asking. Purina Mills, 801 S. 8th St., St. Louis, Missouri.

TRADE AEM MARK THERMOMETERS NEVER VARY
Buy at dealers or write for catalog. A. E. Moeller, 261 Sumpter St., Brooklyn, N. Y.

Fritz's Barred Rocks

A few extra quality birds for disposal. Book your egg order now from my specially mated pens. Mating list mailed free on application.
CHAS. C. F. FRITZ STAUNTON, ILL.

REDUCED TO HALF PRICE

Improved Campine Eggs. Both Silver and Golden. Winners wherever shown. None better. Send for free circular and mating list before eggs are all booked.
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I WILL select about 50 cockerels from about 1000 S. C. White Orpington chicks raised, 4 and 5 point combs, perfectly white, correct eyes, heavy bone, raised out on range and hardy. I'll only have 50. Let me book your order now for your wants.
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hatching is a success if you let the Magic Egg Tester pick out the eggs you are going to use. If you buy now you get the longest time for trial. One Tester (with absolute guarantee), by mail $2.00. Your money back after trial if desired. Ask for circular and testimonials.
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BEST IN THE SOUTH
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SINGLE COMB BUFF
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500 early hatched youngsters ready to lay..... $2.50 to $5
Yearling Hens.....$2 Cocks.....$3 to $5
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A grand lot of young and yearling stock for sale, including Grand Champion Cock Ill. State Show, 1913.
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The Finest Cockerel Matings
Eggs from our best remainder of season, $3 per 15, containing our state show and Bloomington winners.
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Quality White Orpingtons
Ten pens mated. Send for mating list. All infertile eggs replaced free.
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I can furnish you winners for any show.
Write your wants and get my prices.
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See my stock or write for catalog; winners at Madison Sq. Garden, Grand Central Palace, Philadelphia, Augusta, Ga., etc. Stock, eggs, baby chicks at reasonable prices. Mention American Poultry Journal.
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Scotch Collies—The old Reliable. They are stock drivers, watchdogs, renowned for their usefulness and beauty. We have pups, grown dogs, bitches, open and bred. Send for Sales Sheets. P. L. SAVAGE, St. Charles, Ill.

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White Leghorns, Barred and White Plymouth Rocks have years of utility breeding back of them. They are large, beautiful, thrifty and profitable birds. Write for catalogue.
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Orpingtons
BUFF WHITE BLACK
The kind that wins
—we have them.
Our birds have won 93 prizes besides several special silver cups and diplomas in 3 years which is evidence that we have the winning kind.
If you want birds that will win at the fairs and shows this fall get them from us.
Write for free catalog and prices.
Bruce-Croft Farm
Lynbrook Long Island, New York

1915) to the assistant secretary, Harvey C. Wood, Bound Brook, N. J. The club feels that it is unfair to have a ribbon put up as best shaped or best colored male or female simply because the bird belongs to a club member, when perhaps in an adjoining coop there is a better bird which was only prevented from taking the ribbon because the owner was not a club member.

American Cornish Club.

Would respectfully call your attention to the fact that since 1910 there has not been such a bird listed in the Standard of Perfection issued by the American Poultry Association such as an "Indian Game" but that there are some birds listed in the Standard mentioned called Cornish, bred in three varieties, called Dark, White and White Laced Red.

The club offers at all shows in the United States and Canada listing us properly, five handsome silk ribbons for best cock, best hen, best cockerel, best pullet and best pen in each variety to members of the club in good standing. Membership is $1.00 per year, which also entitles members to year book, this year one of 114 pages. Provided you send a copy of your premium list to the office of the secretary-treasurer of the American Cornish Club, and notify him of the list of winners of first prizes in the Cornish classes at the close of your show.

JOHN W. WARD, JR.,
Secretary-Treasurer American Cornish Club, Pennington, N. J.

Columbian Wyandottes.

The National Columbian Wyandotte Club will issue its new catalogue on October 1, 1914. This issue will be larger, better and more valuable to Columbian Wyandotte breeders than ever before, containing as it will the list of the club's special winners of last season, good articles by members and many strong features new and interesting. We specially want the names of all those interested in Columbian Wyandottes which will be listed in this new club catalog. A payment of $2.00 now includes the initiation fee and extends your paid up membership to November 1, 1915.

Send for our prospectus of Catalog and membership card at once.

The club has inaugurated a new plan of awarding championships and first prize winners in all classes are entitled to points towards these championships proportionate to the strength of the competition and the number of Columbian Wyandottes exhibited. Club special ribbons are given at all shows as formerly. For further information regarding the details of awarding these championship medals and special prizes address Ralph Woodward, secretary-treasurer, Grafton, Mass.

American Barred Plymouth Rock Club.

The Annual Catalogue of the Club has just been mailed to all the members. Every breeder of Barred Rocks should have one of these, and those who are not members can send $1.00 to the secretary, Henry D. Riley, Strafford, Pa., which pays the initiation fee and first year's dues to the club, and will entitle them to the catalogue free. The Barred Rock Club membership is a list of who is who in the Barred Rock world and every breeder should join. Our handsome Club Ribbons are offered at every show requesting them, and also one of our beautiful cups at a show chosen by vote of the members in every state. These are open to members only. Join the club and boost the breed and make yourself known.

Henry D. Riley, Secretary.

A Lively Club.

One of the liveliest young clubs in all poultrydom is the American White Faverolle Club, organized March 25, 1914.

The club holds its first annual show at the Grand Central Palace in December, and with but a handful of members—you know these birds are now in this country—they have now specials offered as follows: Two silver cups, value $50; one humidor, value $20; one humidor, value, $10; one cash prize, value $10; one cash prize, value $5; one cash prize, value $3, and they are still coming. To say nothing of what Secretary Howell is going to do. Going some, isn't it? Well, when you see the White Faverolle alley at the Palace, you will know why. The poultry press is going to reap a harvest

McDanell's Golden Wyandottes
Over 1000 prizes won. Better every year. Write for prices. Mention Am. Poultry Journal.
OLD HOMESTEAD FARMS J. H. McDanell WARSAW, KY.

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First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free
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Made of galvanized steel. Designed to fill every requirement of those who brood flocks of 50 to 100. Fire-proof--Positive ventilation--Automatic regulator. Burns one pint of oil in 24 hrs. Each $8.50. Full information of all kinds of brooders free. Prairie State Incubator Co., 201 Main St., Homer City, Pa.



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Won silver cup for best display at Philadelphia, 1913. 200 breeders for sale at $2, $3 and $5 each. Send for free catalogue.
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have won more firsts, specials and other awards in the last four years at New York, Boston, Hagerstown and Philadelphia than all our competitors combined.
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Winners at Hagerstown and the Great Mid-West Show, Chicago, 1913. Eggs for hatching half price. Send for mating list.
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Eggs half price. Breeding stock reasonable. Drop card for prices.
Ernst F. Birkholz Willoughby, Ohio

Special Sale Wingold BUFF ORPINGTONS BUFF WYANDOTTES
All our 1st and 2d prize winners at Cleveland, Buffalo and Detroit at one-half real value. Act quick if you are looking for a bargain.
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WHITE ORPINGTONS — SPECIAL SALE
Males $5 and $10. Females $2.50 and $5. Birds from my breeding pens at these prices, worth two or three times the price. Will ship on approval.
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Eggs now half price.
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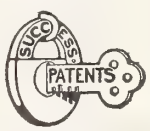
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Do you appreciate the value of showing at a National Exhibition?

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Thanksgiving Week, Nov. 23 to 28

gives you these and many other splendid opportunities, including valuable regular and special premiums, best judges, grand exhibition building, etc.

For information and premium list address

WM. C. DENNY, Secretary, Buffalo, N. Y.

from White Faverolle breeders in a few years. You keep your eyes on them.
—K. M. TURNER,
West Nyack, N. Y.

Interesting to Secretaries.

The E. C. Young Co., of Randolph, Mass., the well known poultry house manufacturers, are offering to any poultry association in New England, New York, Maryland, Pennsylvania or New Jersey one of their famous coops and runs for hen and chicks that sells for $2, to be given as a prize to any bird or class. The only expense to the association is that they pay the freight, not to exceed 50 cents, and place the coop in a conspicuous place, and the E. C. Young Co. reserve the right to put their advertising matter on the outfit. For further particulars address the company.

Silver Cup for Every Show.

In addition to the cups offered by the National Single Comb Buff Orpington Club for the national, branch and state meets for 1914-15, a plan has been evolved whereby every poultry show in the world may secure a cup for best display of Single Comb Buff Orpingtons. Also five beautiful ribbons, suspended from emblematic medallions. Whether your show coops 100 or 5,000 birds, write for full particulars. No show is too small to be included in this offer. For full particulars address M. S. Brady, Secretary, Richards, Mo.

Some Money for Reds.

A. G. Studier, editor of the Rhode Island Red Journal, of Waverly, Iowa, authorizes us to state that the Red breeders, through him, will offer $500 in cash prizes at the Coliseum show, December 11-16, 1914—$250 on Single Combs and $250 on Rose Combs. The prizes will be run down to eighth, and the eighth prize bird in a single class will win at least $4, or double the amount of entry fee, while the eighth prize pen in each variety will receive at least $10, or twice the amount of its entry fee. These big cash prizes are so arranged that the little fellow will have an equal show with the larger breeder. In addition to this the association will destribute their 55 big cash prizes through eight prizes, while the Red Breeders Club of the World will so arrange their specials to equalize the money from first to eighth. Take it all in all, the eighth prize bird in a single class will win about $8.00, while the eighth prize pen will win about $20.00. Besides, the Association offer their celebrated diamond scarf pin for the best display in each variety. This should, and undoubtedly will, bring out the greatest Red show ever caged in America. Premium list will be mailed November 1. See that your name is on the list. Drop a card at once to Theo. Howes, Secretary, Indianapolis, Ind.

Blue Andalusian Club to Meet at Chicago.

The Blue Andalusian fanciers, with one of the most wideawake, progressive clubs ever organized, will hold their annual meeting in Chicago at the Coliseum show, December 11-16, 1914. A fine list of cash and special prizes will be offered. L. C. Taylor, Gibsonburg, Ohio, will judge the class. Every Blue Andalusian breeder should get in line for this exhibition. The new illustrations in the 1915 Standard are bound to make this the most popular of the middle weight breeds. Now is the time to boost, and boost strong. Don't fail to send in your name at once for a copy of the premium list, which will be ready for mailing November 1st. Theo. Hewes, of Indianapolis, Ind., is the secretary. Come brothers, all boost together for the greatest Blue Andalusian show ever caged.

The American Buff Plymouth Rock Club will give as special prizes, four handsome silk ribbons: One for the best Rock shaped male, one for the best buff surface colored male, one for the best Rock shaped female, one for the best buff surface color female. Only members whose dues are paid to July 1, 1915, are eligible to compete for these specials. Membership fee is only $1.00 and this pays up to July 1, 1915. For information concerning the offering of state silver cups, or other matters concerning the Club, write W. S. Robison, secretary, Fayette, Missouri. Subscribe for the Buff Rock Quarterly, 25c per year. W. S. Robison, editor.

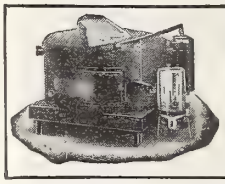
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I have some well bred hens for sale. One to two years old. Write for prices.
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Wanted Position as Poutryman. Expert on Orpingtons.
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Deer's White Ply. Rocks
WRITE YOUR WANTS.
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THE "AXFORD"
Hatches large, healthy chicks. No cold corners. The original sand tray incubator. 39 years on the market. Send for circulars.
Axford Mammoth Hatchery 729 E. 45th St., Chicago, Ill.

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1000 choice birds to sell of my best breeding lines. Write for prices on wants. Mention A. P. J.
J. P. Hilldorfer, Saxonburg, Butler Co., Pa.

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Cut down your living expenses. You'll be astonished how healthful it is to cultivate a garden and how easy if you use



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You can do more and better hoeing with this tool in one day than you can do in three days with a hand hoe. The No 17 has a pair of 6-in. hoes, a plow and a set of cultivator teeth—sufficient for most garden work. FREE an instructive 72-pp. illustrated cat.
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Our birds are famous for their great laying capacity and early maturity. Splendid utility and breeding stock always on hand, but we advise early reservation for show birds. Catalog sent immediately upon request.
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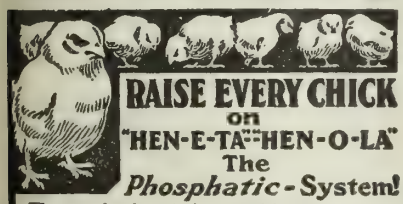
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I must reduce my pens, as young stock is overcrowding me. Some splendid Ckls., (Feb. birds) at $2.00 and $3.00 each. Write for reduced prices.
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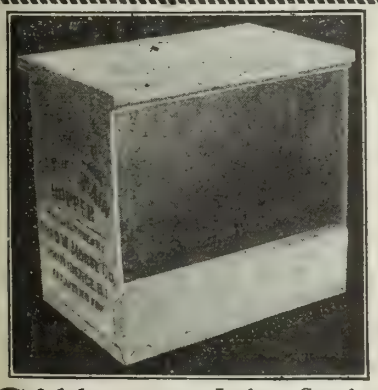
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World's record for winning at Boston. Eggs half price. Book your order for show birds for Fall and Winter Shows now. Send stamp for 24-page catalogue.
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Flanders' S. C. White Leghorns
Send for catalog of Flanders S. C. W. Leghorn eggs, matings, day-old chicks, etc. The greatest prize winners at the last National (Official) Poultry Show. Unequaled for exhibition, flesh, flavor and hardiness and cost no more than others' second-grade.
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BLUE — BUFF
Prize winning stock and extra good breeders for sale. Not too late for EGGS. Write me your wants. Satisfaction guaranteed.
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RAISE EVERY CHICK on "HEN-E-TA-HEN-O-LA" The *Phosphatic*-System!
The more phosphorus in the egg and the more phosphorus in the egg-shell, the greater the fertility, the better the hatch and the hardier the new-born chick.
The Hen-e-ta-Hen-o-la System eliminates all bowel-trouble; reduces mortality to a minimum; grows and develops the chicks faster and cheaper into strong, rugged, healthy "egg-producing" birds.
Ask your dealer or write us for new booklet, entitled: *"The Successful Way to Grow Little Chicks."*
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Gillette Labor Saving Equipment
Send $1 for this 12-qt. Dry Mash Hopper. Delivered anywhere east of the Mississippi River. Proper allowance made for all points west of the River. Gillette Dry Mash Hoppers are made in various sizes; single and double. The Gillette Automatic Hopper is the standard for practical poultrymen. Printed matter for the asking. Mention A. P. J.
FRED W. MORSE CO., Mfrs., Providence, R. I.

Big Prize Moneys for Market Eggs, Utility and Dressed Poultry.

The poultry department of the great Allentown Fair has the last three years maintained a splendid show of market eggs. This too in spite of the fact that eggs are usually not very plentiful at that season. To still further stimulate this feature additional classes have been added with increased prize moneys and the rules simplified. There is no entry fee of any sort and prize moneys in regular classes are $2.00 first and $1.00 second on dozens. On display and on cases the prize moneys are in proportion.

In the utility classes there will be prizes for best egg laying type in White Leghorns, Barred Rocks and White Wyandottes. Prizes for best record layers in laying competitions. Prizes for beef type in yellow and white skin and for dressed poultry. The prize moneys will be extremely liberal, $4.00 first, $2.00 second and no entry fee of any sort. Capons also will be featured and there will be classes for young and old capons. The judge in these classes will be Mr. T. F. McGrew, principal division of poultry husbandry, International Correspondence Schools, Scranton, Pa., and besides the regular cash prizes there will be third, fourth and fifth ribbons. All ribbons being special ribbons for respective departments.

Utility poultry seems to be on the boards at last and Allentown Fair show awake as usual is determined that this class of poultry is to have a good showing even though the season at its dates is not as favorable as might be.

For premium list write Harry B. Schall, general secretary Great Allentown Fair, Allentown, Pa. For information of any sort in the poultry department write W. Theo. Wittman, Allentown, Pa.

—o—

New Rule at Allentown Fair Poultry Show.

For sixty-two years the Great Allentown Fair had a rule that every exhibitor must buy an exhibitor's ticket. This ticket, in late years, was good for four 50 cent admissions and cost $1.00 Hence was much sought after by most people. Some exhibiting even merely so they might have a chance to buy such a ticket.

However, there were a few exhibitors, notable in the poultry and live stock departments, who did not or could not attend and who felt that to be compelled to live up to this rule was a hardship. Hence the association has voted to make the purchase of an exhibitor's ticket optional hereafter.

Prospective exhibitors in the poultry department should carefully note this and such as expect to attend should enclose the cost of an exhibitor's ticket at time of making entries as none can be sold thereafter and no passes of any sort, for any purpose, are to be issued by the secretary of the fair, thus guaranteeing that all are on an equal basis.

—o—

Williamsport, Pa., Show.

The premium list for the Williamsport Show, November 17 to 20, is now on the press, and will be ready for mailing about October 1. Never before has the management been so sanguine of success, as the officers of this grand poultry show are for their seventh annual event. Here will be the one big early show where the small and large exhibitors will meet on the same level, and awards be placed by America's and Canada's greatest judges. No show in the United States has a better record than the Williamsport show, and the management has spared no expense to make this show the equal of any metropolitan exhibition. As usual Williamsport has engaged the highest class judges as will be seen by the following list: Richard Oke, London, Canada, H. P. Schwab, Irondequoit, N. Y., Chas. Nixon, Washington, N. J., J. C. Punderford, Freneau, N. J., Henry D. Riley, Strafford, Pa., M. L. Chapman, Brown's Mills, N. J., J. D. Koons, Treichlers, Pa., and F. I. Bradford, Troy, Pa.

The following specialty clubs have selected Williamsport as the place of holding their 1914 state meets: Rhode Island Red Club of America, Red Breeders Club of the World, National White Wyandotte Club, National Partridge Wyandotte Club, American Barred Plymouth Rock Club, American White Plymouth Rock Club, American Buff Plymouth Houdan Club, American Silver Wyandotte Club, American Buckeye Club, Partridge Plymouth Rock Club of America, Ancona

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Champion Dark Cornish
Presenting America's Best Cornish Male Line. Have a few exceptional bargains left in last season's breeders. Now booking orders for Fall and Winter delivery of show stock.
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WYANDOTTES
I offer 300 grand hens and 100 exhibition cocks in Golden, Silver and White Wyandottes at much less than half price for quick sale. Bred from our N. Y. Winners. A great chance to procure the finest line in America at a sacrifice price. Also the finest imported Golden Seabrights. Circular.
IRA C. KELLER, Box 75, PROSPECT, O.



Allsteel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Pettey State St., Belvidere, Ill.

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The Phosphorus-Food
Is *all* medicine and food. *No* fillers used. Contains correct amount of phosphorus needed by all live-stock. Composition and analysis on every pail.
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If your dealer cannot supply you, write us.
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45 Varieties
Land and Water Fowls
Send for free illustrated catalogue, which tells you much you should know. Stock and eggs at all times. Mention A. P. J.
S. A. HUMMEL Box 52, Freeport, Ill.


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for Show Coops, Shipping Coops, Trap-Nests, Warner's Way for Lice, etc. Mention Am. Poultry Journal.

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With a world wide reputation. Choice old stock for sale. Also some elegant young birds now ready to win at early shows. Write for prices. Satisfaction guaranteed. Mention American Poultry Journal.
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BOX 1020 SOUTH FRAMINGTON, MASS.

Bourne "Bignum" Poultry Band


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Send for free sample and special trial offer. Yours for the asking. Large numbers showing 10 feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each $2.50 a 100.
BOURNE MANUFACTURING CO.
231 Howard St. Melrose, Mass.

Acme Strain Barred Plymouth Rocks

None better; prices reasonable. They are going to win from fall fairs to winter shows, better let it be for you.
ACME POULTRY YARD C. A. Gifford, Prop. RUSK, TEXAS

WYSOCKI'S SILVER CAMPINES

Winners at Chicago, 1914. Write me your wants in show birds and utility stock. Satisfaction guaranteed.
MRS. J. WYSOCKI 431 LaFayette St., AURORA, ILL.

A Golden Opportunity

To secure some of the best S. C. Reds in the world. Late fall fairs and early winter show birds now ready to win for you at any show in the country. Remember, my Reds have been the most consistent winners in the big shows of any strain. Have also some grand utility birds for sale. Write me your wants. Catalogue free. Mention American Poultry Journal when writing.

B. H. Scranton Box 350 Rising Sun, Indiana

Smith's S. C. Buff Leghorns

The Largest Exclusive Breeder of Buffs in the World.

I have no other breeds. They are the world's best layers when eggs are high, and winners at thirteen of the largest shows. Eggs, Chicks, Breeding Stock and Show Birds by the thousands. If you want to win at the big shows send me your order and I will please you. Send ten cents for catalogue and find out how to raise 150 pullets to six months of age for 15½ cents each.

F. S. SMITH Life Member A. P. A. and Life Member Single Comb Buff Leghorn Club Box C and D, HAMILTON, OHIO

PALMER'S WHITE ROCKS

We have a fine lot of this season's breeders for sale, for both utility and show purposes. Our birds have won at such shows as **New York State Fair, Buffalo, Rochester Industrial Exposition, Williamsport, Pa., etc.** Bred for years on free range. Send for price list. Mention American Poultry Journal.

"THE GLEN" POULTRY FARM FAIRPORT, N. Y.



Cockerels? Cockerels? Cockerels of
PARK'S Bred-to-Lay **Barred Ply. Rocks**

The oldest and greatest laying strain. With over 25 years of careful selection and pedigreeing.

They are nice, large, husky, well marked fellows. $3.00 up. COCKEREL CIRCULAR FREE. Order early. We have even less than last year when we refunded money from over 20 states. Foreign orders at customers risk. Large 40 page catalogue for a dime.

J. W. Parks Box J Altoona, Pa.

S. C. White Orpingtons

NOW is the time to place your order for show birds for the late fairs and early winter shows. **We can furnish young, early developed stock in Cockerels, Pullets or Mated Pens at reasonable prices.** They are bred from our winners and are guaranteed to satisfy or money refunded. Catalog upon request only.

Address

PARK POULTRY YARDS

Mrs. Reginald Stonestreet, Glendale, Nashville, Tenn.

MOE'S CLIP AND PUNCH



AS A POULTRY PUNCH

Smoke While You Punch

A Poultry Punch for marking baby chicks. Punches a clean hole in the web between the toes, and will not bruise the foot. On reverse side a cigar clipper that performs as neatly on the end of the cigar. Both guaranteed to work perfectly. At the price of one, 25c each. Mailed to any address on receipt of price.



AS A CIGAR CLIPPER

OTIS & MOE MANUFACTURING CO., 2011 OTIS BUILDING, CHICAGO, U. S. A.

Club of America, Rhode Island White Club of America, and the International R. C. White Minorca Club. Several other clubs are still voting, and Williamsport may also receive some of these clubs. All members of the above clubs as well as breeders of those varieties, should be sure to secure a premium list, as the offering of them will be exceptional. Address Geo. F. Hanks, sec., Williamsport, Pa.

Everybody Is Going.

The byword of the breeders in attendance at the Chicago convention of the American Poultry Association was, "I will meet you at the Coliseum Show, December 11-16, 1914." From East, West, North and South came the same report, "We are going and we are going to bring our best birds with us." With this understanding, now is the time to begin preparing your birds for this great exhibition. Remember the record of this show—five of the most successful exhibitions ever held in America; every dollar of its obligations paid in cash and on time. This year there are bigger and better cash and special prizes than were ever offered before; and, remember, as in the past, every premium is guaranteed. If you have not already registered for a premium list, do so at once. Send your name on a postal card to Theo. Hewes, Secretary, Indianapolis, Ind.

The Los Angeles Show.

The show dates for the next Los Angeles show will be January 6 to 12, 1915, inclusive. W. S. Russell, Ottumwa, Ia., will judge the Plymouth Rocks and Rhode Island Reds. C. G. Hinds, Oakdale, Cal., will judge the White Wyandottes, all Asiatics, Minorcas, Andalusians, Anconas, Campines, Lakenvelders and Cornish. Geo. W. Masterson, Duarte, Cal., will judge all the Wyandottes except White, all Leghorns, Spanish, Partridge Orpingtons, Hamburgs, Houdans, Games and Bantams. A. G. Goodacre, Compton, Cal., will judge all Orpingtons, except Partridge, all Dorkings, Red Caps, Buckeyes, Sussex, Polish, Buttercups, Turkeys and Water Fowl.

This will be the tenth annual exhibition of our association. The last three years the Los Angeles show has been the largest on the Pacific Coast, over 2,000 birds (not including pigeons) being exhibited each year during this period.

Silver cups and cash prizes costing $766 were distributed among the exhibitors at the 1914 Los Angeles show and the show was a great success in every way. We are now hard at work to make our 1915 show better than ever. Henry H. Mumford, Secretary-Treasurer.

The South's Leading Poultry Show.

The premium list of the Tri-State Poultry Show to be held at Memphis, Tenn., in connection with the Tri-State Fair, September 28 to October 3, is ready for distribution and contains many new and progressive features. This show pays the money offered, that is, the classes do not have to fill, if one exhibitor shows first money is paid. Another valuable feature is that the sales department will be in the hands of an expert salesman who knows the chickens and who has spent a life time selling and knows how. This service is free to all exhibitors whether they accompany their birds or not.

Hundreds of dollars offered in specials in addition to the regular prizes, at least sixty handsome silver cups, gold leg bands, beautiful medallion ribbons for grand champions, gilt bar pins, regular ribbons, daily lectures and stereopticon views by eminent professors showing the advance of the poultry industry and many other valuable attractions are awaiting you.

There are no better judges than those we have selected. For seven years we have paid the premiums before the close of the show and best of all you are exhibiting your birds in a section of the country where the demand for high class stock and eggs has always exceeded the supply. Send your name now to the Tri-State Poultry Association, Memphis Tenn.

Tennessee State Fair Poultry Show

The ninth annual exhibition of the Tennessee State Fair Poultry Show will be held at Nashville, September 21-26 1914. This is the south's greatest poultry exhibition, and is patronized by the leading breeders of America. Send today for premium list and entry blanks. John A Murkin, Secretary, Nashville, Tenn.

Great Silver Cup Poultry Show.

The second annual exhibition of Goshen Poultry Association will take place at Goshen, Ind., December 8-12, 1914. This will be the great Silver Cup Show of Indiana, the association fully expecting to give close to 100 cups this year. This will be placed on all varieties and competition will be open to the world. Be sure and send your name now for a copy of our premium list. Charles V. Keeler, of Winamac, Ind., has been engaged to place the awards. Everyone who know Mr. Keeler is sure that the awards will be placed just where they belong.

The following officers were elected for this season: President, Will H. Schadt; vice-president, Guy Lichtenwalter; secretary, A. A. Kryder; treasurer, C. A. Whittle; superintendent, H. F. Knight.

All efforts are now being put forth to get the premium list out promptly on time by October 1st, but you better send your name now so we can place it on file and it will insure you a copy promptly when it comes from the hands of our printer. Address Will H. Schadt, president, or A. A. Kryder, secretary, Goshen, Ind.

Fourth Annual Pittsburgh Exposition Show, Week of January 18 to 23.

With thirteen of America's most competent judges and with the largest and finest building in America for poultry shows and one of the finest cities in the world to sell thorough bred poultry you will make a mistake if you do not plan to show a nice string at one of America's greatest shows. Do not forget the date, January 18th to 23d. All express companies enter Pittsburgh and you can ship your birds from most any section with a very short ride. Most liberal cash premiums paid before the close of the show besides many specials. Entries close January 7. Be sure to send for premium list. Permanent address 303 Empire Building, Pittsburgh, Pa.

"On to Buffalo."

"On to the Greater Buffalo Poultry Show" will be the slogan of poultrymen the coming season. The splendid success of the last year's show and the standing of the men behind the show has established the Greater Buffalo Poultry Show as a national exhibition.

Prominent poultrymen attending the 1913 exhibition pronounced it "one of the season's best in the appearance and arrangement of exhibits, in the personnel of exhibitors and judges, in the quality of birds and as a sales exhibition." Percy A. Cook of Wm Cook & Sons of Scotch Plains, N. J., the noted Orpington expert who was an exhibitor at the 1913 show, writes: "Your 1913 exhibition was without a doubt the best show I attended during the past season. It would be impossible to find a better building for an exhibition than the Auditorium. It was also an excellent show for sales and our splendid winnings have brought us a great deal of business." This year's show dates are November 23 to 28 (Thanksgiving week). Information and premium list, which will be ready for mailing October 1, can be had by addressing Wm. C. Denny, secretary, Buffalo, N. Y.

The annual exhibition of the Lanark Poultry, Pet Stock and Grain Association will be held January 4 to 9, 1915. (Under A. P. A. rules.) Nothing will be spared to make this the greatest exhibition of poultry and grain ever held in this neck-of-the-woods. The members are all alive in the poultry world and exhibitors may rest assured that their interest will be well looked after. Begin now to make arrangements to meet with us and bring in a nice bunch of birds or grain or both. Our judges are up with the times and you will get your dues, so don't hesitate, but come to Lanark, Ill., January 4-9, 1915. Send your name for premium list to J. A. Shaner, secretary, Lanark, Ill.

Alabama State Fair and Exhibit Association Show will be held at Birmingham, Ala., October 1 to 9 inclusive. J. H. Drevenstedt, judge; Dr. Hal F. Halstead, superintendent.

T. F. Richardson, of Evanston, Ill., writes us as follows: "I will be prepared to furnish pullets, cockerels or show birds of better quality this year than ever before." He breeds White Rocks and White Wyandottes of high quality—the kind that win at leading shows. Write him your wants.

Largest Barred Plymouth Rocks

Send for Catalogue

LUTHER J. HALL - - - KENNEY, ILLINOIS

43 Varieties

Poultry, squab breeders, fancy pigeons, ducks geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.

MISSOURI SQUAB CO. Dept. R KIRKWOOD, MO.

URBAN FARMS

Pine Ridge, Buffalo, N.Y.

Prize-winning Black Langshans, White Plymouth Rocks, Anconas, Houdans, Silver Campines, Mottled Javas, Black Tailed White Japanese Bantams, Mille Fleurs.

Mating List for 1914 on Application

S. C. REDS

OUR REDS are bred from NEW YORK and BOSTON winners They have the dark, rich red color and the correct shape. If you wish quality and at fair prices, write me.

H. D. BRINSER - SOUTH RICHMOND, VIRGINIA

EVERGOLD BUFF DOTTES

Elegant illustrated catalog giving our methods of feeding and breeding Buff Wyandottes, only 20c. Price List and Mating List free.

ROCKY RUN FARMS, Box 50, NORTHFIELD, OHIO

W. G. Marshall, Owner Gerald Williams, Mgr. Poultry Dept.

GOLDEN WYANDOTTES

I have bred them for nineteen years. I won nine out of a possible ten firsts at Boston, 1913 and 1914. I have stock for sale that will improve yours, or will start you right in breeding these beautiful birds. LOREN H. BROWN, Lock Box 16, Lunenburg, Mass.

COLUMBIAN WYANDOTTES

At Canadian Industrial Exposition, July, 1914, 1st, 2nd and 3rd Cocks, 1st, 2nd and 3rd Hens.

GEO. A. KERSTEN, Washburn Park, Minneapolis, Minn.

White Leghorn Winners

We have 150 choice cockerels bred from our CHICAGO WINNERS and 200 yearling hens, many of our best breeders, for sale at reasonable prices. Write quick.

ROGERS & MUNTZ 620 Douglas Ave., ELGIN, ILL.

The New Buffalo Incubators and Brooders



bring repeat orders in four out of five sales. They don't disappoint—they do the work. They are the Great Repeat Order Equipment. Nutrum Feed, made on Nutrum Salts formula (the missing link in baby chick feeding) makes chicks live and grow as nothing else will. Make your own feed, save money and get results. Nutrum Salts makes Summer work profitable. Hatch right through the Summer and Fall, and get some of that big Winter money for tender roasting chickens. Send postal for circular.

Buffalo Incubator Co., Chas. A. Cyphers, Pres., 465 Dewitt St., Buffalo, N.Y.

PITTSFIELD

EIGHT-WEEKS-OLD AND FOUR WEEKS-OLD

Chicks at Special Prices

Chicks that are strong and healthy and well past the danger period. The known reputation of the Pittsfield strain, for stamina, rapid maturing and heavy egg production, insures that these chicks will be layers this winter.

Barred Rocks White Rocks
White Leghorns Rhode Island Reds

Each of our four breeds is raised on a separate farm. Our prices are the same for each breed.

8-weeks-old chicks, selection guaranteed: **Cockerels,** 40c each; **Pullets,** 90c each.
4-weeks-old chicks: 25 chicks for $10; 50 chicks for $18; 100 chicks for $35.

Safe delivery guaranteed. We are now taking orders for day-old chicks for "broilers." Write for prices.

Our Breeding Birds Announcement will be made in October. Watch for it. Write now for advance information and prices and reserve your breeders. Our expert breeding and care, and the raising of each breed on a separate farm, insures pure bred, hardy stock.

Write today for "Money-Making Poultry"—it's free.

PITTSFIELD POULTRY FARMS, 190 Main St., SKOWHEGAN, MAINE

WHAT HENS NEED

Feed CRYS-CO, 99¢ Pure Carbonate of Lime. a purified shell grit. Hard, sharp and cubical, better than oyster shells, need no other grit, better results, cost 1c per pound. Ask your dealer, write for booklet.
W. A. KRUSIVZ & CO., St. Louis, Mo.

POULTRY PRINTING

Letterheads, Envelopes, Notebeads, Business Cards, Postal Cards, Shipping Tags, Mating Lists, Circulars, Folders, Billheads, Etc. Write us for Free Samples and prices before placing your order. We use up-to-the minute cuts, free. Kindly mention your breed.
Thomas E. Clark & Co., 14 W. Fourth St., Michigan City, Ind.

IF YOU WISH "QUALITY" WRITE US



Quality Bred-to-Lay S. C.
White Leghorns
exclusively. Write your wants and get our low prices before buying elsewhere. Catalogue free.
The Elliott Poultry Farm
Route 7 Mansfield, Ohio

Fell's Famous White
Wyandottes
have won the last four showings at Madison Sq. Garden, N. Y. 12 1st Prizes and about everything else there was to win. I have the finest ever bred. Catalogue free.
A. J. FELL
BOX J WEST POINT, PA.

An Egg a Day
If this is your desire, treat your layers right. Don't force them with all kinds of tonics; help them with a pure, nutritious Milk Substitute.
"Fill the Basket" Egg Mash
does not force; it helps.
Write us for pamphlet
Blatchford's Calf Meal Factory
Waukegan, Illinois

Make your Hens lay



Have a short moult and get eggs all through it.
Prescription No. 4
will do the work. See in this issue what others say.
1-lb. 25c—5-lbs. $1.00
and your money back if it fails. Absolutely harmless. Agents wanted.
and keep them laying
Nabob Remedy Co.,
Box A, Gambier, O.

Caponizing Instruments.

An interesting example of commercial achievement based on "old fashioned" principles of fair dealing is found in the splendid success of G. P. Pilling & Son Company, of Philadelphia. For more than a century this widely known concern has consistently followed the same high ideals, serving one generation after another in the same satisfactory way as makers of surgical and veterinary instruments.

'Way back in 1814 the Pilling business made its start in a humble way—in an old-time bay-windowed shop. And the founders of the firm unquestionably kept in mind the precept of Benjamin Franklin: "Keep your shop and your shop will keep you."

No mushroom growth was this—to rise in a day and disappear as quickly. As the years passed each showed a substantial increase based on that most stable of all commercial assets—satisfied customers. And as a result the Pilling business grew from a tiny local shop to an establishment with an international reputation.

Today G. P. Pilling & Son Company are the largest makers of specialty surgical instruments in the world, and occupy a large modern five-story plant at the northeast corner of Twenty-third and Arch streets.

Of particular interest to the readers of this publication is the branch of the Pilling business devoted to the manufacture and distribution of caponizing instruments



MAKING CAPON FORCEPS.

—a line in which this firm stands pre-eminent. Pilling caponizing tools are primarily designed and built for service rather than merely to sell. The high quality standard that has been uniformly maintained has made caponizing instruments bearing the Pilling brand standard of reliability throughout the poultry world.

Made by skilled mechanics from latest and best designs of experienced caponizers they are easy and safe to use and certain to give long and satisfactory service. The latest improved machinery, together with a tremendous output, permits a scale of prices as low as is consistent with quality; while the big variety of sets offered enables the customer to select just what will meet his particular need.

The illustration shown herewith gives an interesting idea of the magnitude of the manufacturing operations at the Pilling factory.

Many of the Pilling instruments are thoroughly protected by patents, making it necessary to obtain them from this concern in order to secure the latest and best without infringement—the Pilling patents.

A most interesting free book on caponizing is published by them. Every up-to-date poultryman should send for a copy, and inform himself of the big increase in profits that caponizing makes possible.

———o———

The following is an excerpt of an editorial which appeared in the July 6th issue of the New York Evening World relative to the fact that wood shingles were responsible for the great fire loss at Salem, Mass.: "*Shingles to Blame.*—Massachusetts one thing which contributed most to the spread of the fire was—shingles. House after house burst into flame the instant the rain of sparks touched the tinder-like shingle roofs. A dry, weathered shingle makes about the finest kindling known. In a closely populated town a brisk wind carries flames over shingle roofs as fire sweeps over sunburnt prairie grass. The Bay State is using the Salem fire to start a strong argument against shingles. It will do the rest of the country no harm to listen." H. W. Johns-Manville Co., New York, make a splendid asbestos roofing which is guaranteed against fire. It never needs coating. Write for their illustrated catalog. It's free for the asking.

Hilldorfer Black Minorca Poultry Farm is quite an extensive poultry farm, consisting of 20 acres, finely situated in Saxonburg, Butler County, Pa. It is a fine level farm with the best of buildings and 1,500 of the finest birds in the country, getting in the finest condition for the coming winter shows. There are also some fine Rhode Island Reds, Indian Runner Ducks and Scotch Collie Dogs bred on this farm that would make your mouth water to look at Under the skillful management of George E. Norman, who has half-interest in the poultry farm, this farm has improved wonderfully the last two or three years. Anyone wanting to beat the birds on this farm is still bending a thoughtful brow over the ruins of Salem. Everybody agrees that the at the coming winter shows will have to wake up. They have been very successful in advertising in the American Poultry Journal, and cannot fill the demand for high-class stock which they receive.

Blue Bell Barred Rocks.

It is with great pleasure that we call our readers' attention to the fact that E. A. Webb, of Ewing, Ill., has moved his poultry plant from his former poultry yards to his farm of 120 acres at Benton, Ill. This gives him plenty of room and an abundance of shade, so much needed during the hot summer months. Mr. Webb's farm when fully equipped should be one of the best plants in the state. He has over 500 young birds on range now developing splendidly. Look up his ad in this issue. He has some excellent bargains for you in Barred Rocks.

———o———

We just have a letter from Sherman Bowden, the White Wyandotte specialist of Mansfield, Ohio, stating that he has a lot of cockerels and pullets that will be fully matured by Sept. 1st. He states that he can furnish winners at a reasonable price and, judging from his past show record and reports of his customers, there is no doubt as to quality. He also has a number of good show hens entirely moulted and in prime show condition for show after Sept. 1st. Write him your wants; it will be to your interest.

CLASSIFIED ADS

UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and **five cents per word each insertion for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under classified headings. No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention A. P. J. **All copy for Classified Ads must reach us by the 17th of month preceding date of issue.**

ANCONAS.

ERRY'S PRIZE WINNING Anconas, 2,000 sale. Dr. J. E. Berry, Powhatan Point, O. 9-11

IEHLER'S SINGLE COMB ANCONAS. Stock sale, young and old, at $1.50. Great winter ers. J. A. Biehler, Strasburg, Ill. 9-1

EYER ANCONA FARM, CANTON, O. Our k bred specially for heavy layers and winning n sweeps wherever exhibited proves our lity. Breeding stock. 2-14-tf

NCONA PULLETS—From stock bred and hed by Sheppard. April, May or June hed. Delivery in October and November. gerrell Ancona Farm, Milford, Mich. 8-10

)R SALE—300 grand, large, dark yearling le Comb Ancona breeding birds. In excelcondition. Ten females mated to one male akin for $15.00. Geo. C. Schwegman, Richd, Indiana. 8-10

RIMM'S CELEBRATED Anconas, winners of prizes at leading shows, including the reones at Kansas City and St. Louis. Quality . Prices low. Booklet free. Eggs, $1.50 to) per 15. Every egg guaranteed fertile. Grimm, Webster Groves, Mo. 1-14-1yr

IEPPARD'S FAMOUS ANCONAS — THE d's best. See display advertisement first . Cecil Sheppard, Berea, Ohio. 11-13-1yr

BANTAMS.

ORLD'S FINEST BANTAMS, 37 varieties,)ed on approval; catalogue. F. C. Wilbert, d Rapids, Mich. 9-11

CHIBITION JAPANESE BANTAMS. Black d, White, Black, Golden Sebright, Black Comb, Booted and Polish. Young and old ale. Hez Kinter, Dillsburg, Pa. 8-10

HITE COCHIN BANTAMS. Scoring 96½. ers Chicago, Pittsburgh, Philadelphia, Inapolis, Buffalo, St. Louis, Kansas City, land, etc. Satisfaction guaranteed. Cata. I. R. Mankel, Upper Sandusky, Ohio. 8-12

NTAMS, SEBRIGHTS, COCHINS, JAPS, each. Robert V. Hale, Shelbyville, Indiana. 7-9

GHT BRAHMA BANTAMS—Finest flock in world to choose from. Winners at leading s. A few show birds and breeders for sale. ggs. J. Hart Welch, Box C. Dougalston, Island. 1-14-1yr

NTAM SPECIALIST. Buff, Black, Part-Cochins, Light and Dark Brahmas. I ship pproval. Circular free. Geo. C. Salmon, Dickinson, N. Y. 1-14-tf

NTAMS bring profit and pleasure. Our oly tells how and why. Send 50c for a s subscription or ten cents for a three as' trial. American Bantam Fancier, 933 rtising Bldg., Chicago. 1-14-tf

BRAHMAS.

GHT BRAHMAS. Cockerels, pullets, $2.00 J. F. Gossard, Lanark, Ill. 9

BUTTERCUPS.

MDALE BUTTERCUP Gardens. Grand utild show stock for sale. J. Blanksma, Firth, 9

TTERCUPS FOR SALE. Alvinian strain. a laid 309 eggs in one year; circular. Rev. r & Sons, Harlingen, N. J. 9-11

ILIAN BUTTERCUPS of quality, excepbargains in eggs and breeding stock now. Buttercup Specialist, Garrettsville, O. 8-11

TTERCUPS—good stock—young and grown. l prices. Nina Hoswell, Ottumwa, Iowa. 8 10

TTERCUPS. UTILITY and show birds for Prices reasonable. Fred Coulson, Malta, 7-9

BUCKEYES.

KEYE STOCK AND EGGS from blue ribvinners. Catalogue free. Lindley Place, ppen, Pa. 5-13-tf

CAMPINES.

SILVER AND GOLDEN Campines at less than half price. Elegant catalogue free. Address Edwin Benson, Randall, Iowa. 9

SILVER CAMPINES.—I am offering ten choice March and April hatched Cockerels from $3.00 to $5.00. An opportunity to improve your stock. W. J. McCormick, Green Bay, Wis. 9

GOLDEN AND SILVER CAMPINES. Have broken up breeding pens. Offer at low price limited number of yearling hens. Manhattan Farms, Geo. E. Noeth, Owner, Brighton, N. Y. 9

CHAMPION IMPROVED SILVER and Golden Campines. Kennedy's best. Hen feathered males that will win and improve your flock. Thos. Brogden, Rush Lake, Wis. 9-11

HIGH SCORING FOUR MONTHS old Silver Campine cockerels, $2.00. Lyle Plant, Wichita, Kan. 9

JACOBUS CAMPINE BARGAIN SALE. Breeders must go to make room for growing chicks. M. R. Jacobus, Original Introducer, Box 276-J, Ridgefield, N. J. 9

HAVING TO DISPOSE of my entire flock I offer 300 head of choice Silver and Golden Campines, among which are many prize winners at Chicago Coliseum show; first $400.00 takes them, worth twice that. Write for description. Just-Plucked Egg Company, Hopkins, Mich. 9-14-tf

SILVER CAMPINE TRIOS, $6.00 (April hatched). From Kennedy stock. H. M. Powers, La Grange, O. 9-10

IMPROVED GOLDEN and Silver Campines, imported yearlings. Young stock for sale. Farm raised. Prices reasonable. Klager's Poultry Yards, Hespeler, Ont. 8-10

M. BAYERDORFFER, Oakwood Heights, N. Y. Silver Campines. Bargains yearling hens and cocks. Cockerels from special white hackle matings, reasonable. 8-10

FOR SALE—Mothers of first coop and first pullet Silver Campines, Columbus, 1914, and 25 Silver Campine yearling hens, imported and Kennedy, Jacobus and Manhattan Farm's first prize stock. Many show birds among them, also limited number of young Goldens later. R. O. Woods, Lima, Ohio. 8-10

TWELVE WEEKS OLD Silver Campines, hatched from pen every fowl in which has been a winner at last two Chicago Coliseum shows. Three to ten dollars per trio. Satisfaction guaranteed. Just-Plucked Egg Company, Lloyd Brackett, Mgr., Hopkins, Mich. 7-9

REDUCED HALF PRICE—Improved Campine eggs. Both Silver and Golden—winners wherever shown. None better. Send for free circular and mating list, before eggs are all booked. The Martling Hennery, P. O. Box 186 N, Ridgefield, N. J. 2-14-1yr

CAMPINES LAYERS EXTRAORDINARY—Why should you consider them? A few more clear-backed Golden males, exhibition stock, breeders, eggs. Mating list. Chippewa Poultry Yards, Box 3, Seville, O. 2-14-tf

GARRELL'S PEERLESS CAMPINES have proven their superiority by their winnings at the recent shows at Kansas City, Springfield and St. Louis. If you want high class stock or eggs at modest prices, send for free booklet. Julius Garrell, Webster Groves, Mo. 1-14-1yr

CORNISH.

"SUPERIOR" DARK CORNISH. Winners at State Fair, Lancaster, Chillicothe. Good breeders at bargain prices. C. Leitnaker, Basil, O. 9-11

CHAMPION DARK CORNISH. Prize stock, half price. Morris & Rearick, Eaton, Ind. 8-11

ENGLISH RED CAPS.

ENGLISH RED CAPS, imported and domestic, twelfth year. Cocks, $5.00; hens, $2.50; cockerels, $3.00; pullets, $3.00. R. P. Weidenfeller, Mineral Point, Wisconsin. 8-10

GAMES.

GAME FOWLS, gaffs, game books, etc. Catalogue free. H. P. Clark, Mansure Bldg., Indianolis, Ind. 9-11

HAMBURGS.

SILVER SPANGLED AND BLACK HAMBURGS, "Black Diamond" strain. Highest honors at Madison Square and other leading shows. A trio we sold in 1913 won 1st cock, 2nd hen at the Palace show and 1st cock, 1st and 2nd hens at Madison Square. Eggs, $3.00, $5.00 and $10.00. Will L. Clark, Pres. Am. S. S. Hamburg Club, Sullivan, O. 2-tf

LANGSHANS.

BLACK LANGSHANS, 265-egg strain. Winners at Chicago. Eggs and stock. Springvalley Farm. Lorenz & Co., Perryville, Mo. 9-11

HOUDANS.

HOUDAN COCKERELS from heavy laying hens. Prices reasonable. Henry D. Barto, Route 2, Manlius, N. Y. 9-11

HOUDAN COCKERELS and pullets, best strain, at $1.25 each. John R. Martin, Pulaski, Va. 9

HOUDANS. Proprietor all Peterson's. Also book, 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 11-13-tf

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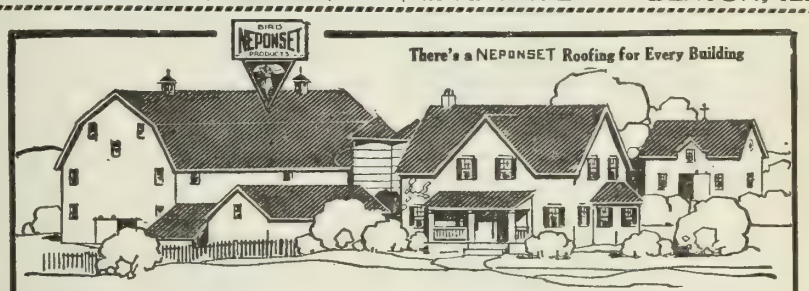


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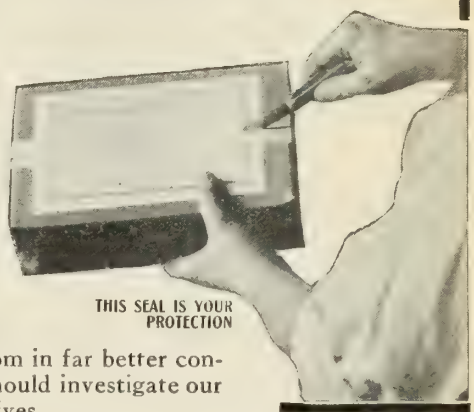


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The Imperial prize of the show, Sweepstakes Special for Champion Male.

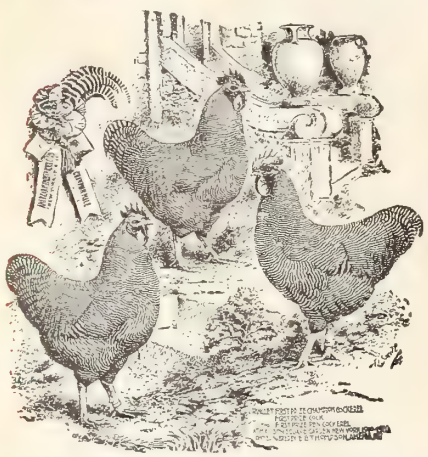
Medallion for Champion Cockerel.

Diploma presented by the American Poultry Association for Best Cockerel.

Spec'l for Best Shaped Male.

Spec'l for Best Colored Male.





"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York.

Silver Cup for Best Plymouth Rock hatched in 1913, male or female, any variety.

Specials presented by the President of the American Barred Rock Club for Best Cockerel and Best Pullet.

Three Best Cockerels; Best Display; Best Collection.

Silver Cup presented by the New York Sun for best Cock, Hen, Cockerel, Pullet and Pen.

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All Silver Cups and Cash Specials.

Three times as many first Prizes as any Barred Rock Exhibitor.

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My exhibit was the most illustrious ever presented to the world —every winning feather was bred on my farm.

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They are the standard by which all other Barred Rocks are judged. The great twin records at Madison Sq. Garden, N. Y., 1913 and 1914—two years in succession—spell **Imperial "Ringlet" Supremacy.**

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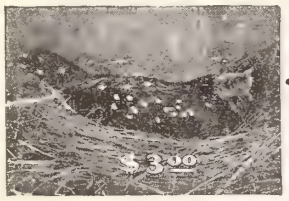
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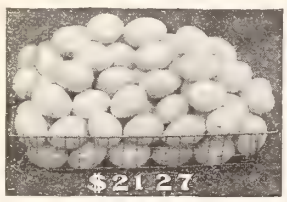
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They are famous egg machines and the greatest **Winter layers**, with the wonderful egg record of

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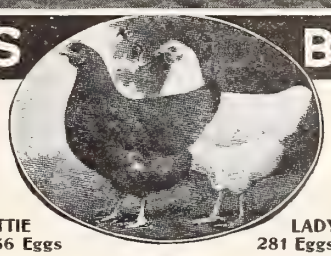
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1st Pullet Grand Central Palace 1913



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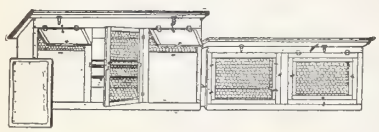


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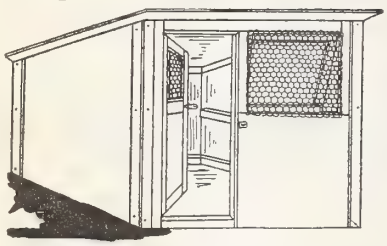
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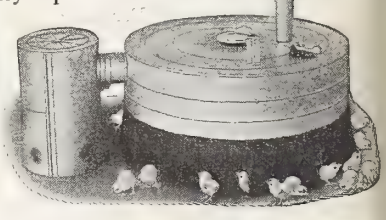
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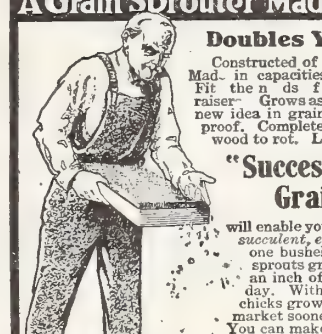
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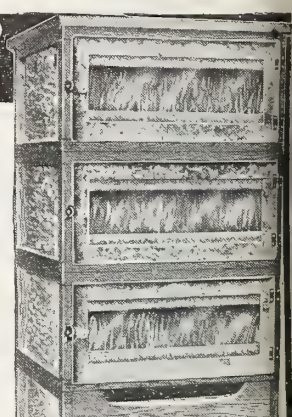
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400 Early Hatched, Large, Vigorous Cockerels—Quality to burn. If you have some show in view and need a good cockerel, hen or pullet to complete your exhibit let me figure with you. I will tell you what I have and for the quality I can furnish my price will be very reasonable. State if you want Rose or Single Comb.

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Write me fully the show you wish to make or the kind of a breeder you need; if possible how much money you care to invest and I will write you just what I have. If in need of a cockerel I can let you have one of those dark, rich, even surface colored birds with under color a delight to look upon. One with good red eyes and almost perfect type, with other requirements necessary to make a blue ribbon winner. If after securing the bird he is not satisfactory in every respect don't hesitate about returning him to me and I will either refund your money or send you another bird, express charges prepaid. Remember Angel, the Red Man, will make the transaction full of pleasure and profit for you. Write me today so we will have plenty of time to weigh things carefully before making the sale.

M. C. ANGEL - BOX A - GOSHEN, INDIANA

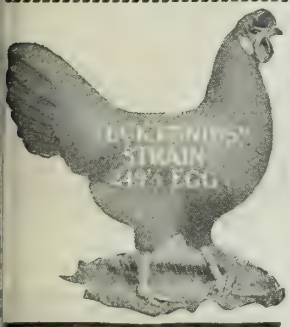


A five-months-old pullet weighs 5½ lbs. and already laid her first eggs.

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BEST by CONTINUOUS TEST

Is The Unbeatable Record of

Tecktonius-Reed Strains

R. C. S. C. Buff Leghorns S. C. Rhode Island Reds



An occasional winning fowl, or pen, is not unusual; many breeders produce them, but that don't make a WINNING STRAIN, any more than a "swallow makes a summer". Producing a strain of birds that **sweep the boards** in the big Nat'l Laying Contests and Exhibition Arenas—not ONCE, but YEAR AFTER YEAR—is the unbeatable achievement of **Tecktonius-Reed** "Buffs" and "Reds", in competition with all popular breeds—against America's foremost breeders. This unequalled breeding and exhibition record proves "Tecktonius-Reed's" **breeding methods** to be scientific, and and their strains of "Buffs" and "Reds" to be a dependable foundation upon which poultrymen can rear a brilliant poultry success. Hundreds are doing it today; why not you?

Note Our Attractive 1914 Offerings

Choice of three Varieties (R. C. and S. C. Buffs—S. C. Reds) with Each

Utility Stock	Exhibition Breeding Stock	Exhibition Show Stock	Special Pullet Offer
Good breeding Cockerels $3 and $5 per head. Good breeding Trios, or Pens, $10 and $15.	Hens or Pullets—$5, $8, $10, $15, $25 per head. Cockerels—$10, $15, $25, $50 per head.	Pens—high quality—$50, $75, $100.	Eleven April Hatch Pullets—excellent value—mated to a good, vigorous Cockerel $15.00

NEVER BEFORE HAS OUR OFFERING been of such high quality—never before was your chance for making a "a ten strike" in poultry raising as good as now. In National Laying Contests—1912—our Buff Leghorns led with high average of 249½ per pen—201 for individual hen.

"Tecktonius" Strain of "Buffs" carried of first exhibition honors for 8 years at Chicago, New York, Boston, Philadelphia, Baltimore, St. Louis, San Francisco, Kansas City, Indianapolis, Cincinnati, New Orleans, Memphis, Des Moines, and scores of lesser shows. Your success as a breeder—as an exhibitor—will be assured with a **Strain** backed by such an array of continuous triumphs. Send us your order today.

Tecktonius & Reed Buff and Red Farm

ROUTE 7 **RACINE, WISCONSIN**

"A fine flock"—

Rudy's Perfection Strain

White Wyandottes



will delight the most fastidious lover of fine poultry. "A fine flock" is the involuntary comment. They have that pure white color, broad back, perfect head points and well spread tail so much desired in the beautiful White Wyandotte.

I will supply you with birds that cannot fail to please—the kind that will not be overlooked by any judge—birds that you will be proud to possess and that will win the ribbons for you if entered in competition.

Remember, my birds have the reputation of winning the most coveted prizes at the larger fairs and poultry shows.

Send for illustrated catalog and moderate prices.
Satisfaction guaranteed or money refunded.

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$1335.50 IN PRIZES GIVEN AWAY

Twenty-six Grand Prizes

In order to secure more subscribers to American Poultry Journal and secure them quickly, we are making one of the most liberal offers it has ever been your good fortune to receive. READ IT THOROUGHLY.

Notice especially the enormous value of the first, second and third prizes. Did you ever have an opportunity to win such magnificent prizes? Everybody gets a cash commission on every subscription and all those who send in five or more subscriptions get a prize. See complete list of prizes below:

List of 26 Grand Prizes To Be Awarded To Those Sending In The Largest Number of Subscriptions.

The following grand prizes will be given to agents sending in the most subscriptions before midnight, January 15, 1915.
(Note—These prizes are given in addition to the cash commission and special prize for the first 5 subscriptions.)

PRIZES

1st, $500.00 Wing Piano
2d, $252.00 Candee Incubator
3d, $100.00 Cash
4th, Simplex Brooder Stove
5th, Brookfield Sectional Poultry House
6th, Keystone 100-Egg Incubator
7th-10th, 150-Ch. Simplex Feather Brooder
11th-15th, 100-Chick " " "
16th-20th, 50-Chick " " "
21st-25th, Full Bushel Faultless Feeder
26th, $10.00 Cash

This is just to make the end man or woman feel good. It may be won, perhaps, by sending in only 10 subscriptions, but the $10.00 goes to the 26th winner.

In case of a tie the value of the prize will be divided. All subscriptions mailed before midnight, January 15, 1915, and bearing postmark of that date will be counted in the contest. In this manner those living at a distance have an equal chance with those residing nearby. Prizes will be awarded January 20th and list of winners given in the February issue of American Poultry Journal.

Note the few counts necessary to win the big cash prizes in our last contest. The present prizes may be won with less. Why not by YOU?

AWARDS OF LAST PRIZE CONTEST

The prizes of the great American Poultry Journal $500 cash prize contest, which closed June 15, 1914, were awarded as follows:

	Counts	Prize
Thos. D. Gannaway, Washington, D. C.	213	$200 Cash
Macon A. Green, Columbia, Tenn.	144	$150 Cash
A. N. Blair, Carters Creek, Tenn.	129	$100 Cash
Chas. Bauer, Hempstead, N. Y.	127	$ 50 Cash

This big half-bushel "Faultless" Automatic Poultry Feeder

FREE TO EVERYBODY

Sending 5 subs. at agent's prices



Immediately upon receipt of your first FIVE subscriptions to apply on the contest, we will ship you a half-bu. size **FAULTLESS Poultry Feeder.** Remember, this is a special premium just to get you started on the way toward the larger Grand Prizes offered in the contest. Only one feeder will be given to any one agent.

Cash Commissions

In addition to this feeder the agent receives 25c cash commission on every one-year subscription and a cash commission of 50c on every three-year subscription taken at the special prices mentioned below. Show this to your friends. You save them money and are royally paid for your trouble.

The regular subscription price of American Poultry Journal is $1.00 per year, but during this contest we will allow agents to take subscriptions at a cut price of 75c per year, or THREE YEARS for $1.50, according to the following table:

AMERICAN POULTRY JOURNAL

Term of Subscription	Cut Rate	Send Us	You Keep	Counts in Contest
1 year	$0.75	$0.50	$0.25	ONE
3 years	1.50	1.00	.50	THREE

Big Three Offer—American Poultry Journal, Western Poultry Jour. & Am. Poultry Advocate

Term of Subscription	Cut Rate	Send Us	You Keep	Counts in Contest
1 year	$1.00	$0.75	$0.25	ONE

American Poultry Journal with Year Book

Term of Subscription	Cut Rate	Send Us	You Keep	Counts in Contest
1 year with paper bound Year Book	$1.00	$0.75	$0.25	ONE
3 years with cloth bound Year Book	$2.00	$1.50	$0.50	THREE

In order to secure agents' prices at least 2 subscriptions must be sent in. Address

CONTEST DEPT., American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Ill.

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We have 1,500 of the best young we ever raised. Many bred from our **GREAT CHICAGO WINNERS**
We can furnish Utility, good Breeding, or the highest class Exhibition birds. On approval always. Write us your wants.
LONGFIELD POULTRY FARM, Box 321, BLUFFTON, INDIANA

Premier White Wyandottes

"The Kind You'll Eventually Buy"

Champions at the Madison Square of Canada, Guelph, 1913. Best cockerel and pullet. $50.00 Silver Cup for best cock, hen, cockerel and pullet. $50.00 Bullock Memorial for the best display. More regular and special prizes than my nearest five competitors combined, and my win on females (140 entries) was simply phenomenal, viz., 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th and 9th.

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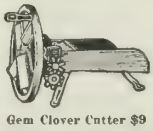
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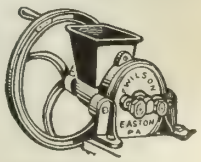


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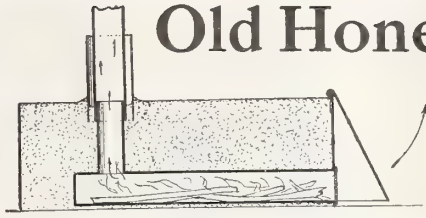
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Big book ad on page 1207

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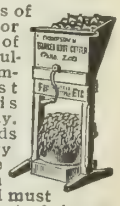
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Your Hens Must Pay This Winter



IN these times of high prices for all kinds of meat the poultry man simply must make his hens pay. All kinds of poultry feed are high in price and must be made to bring the maximum in returns. There is no one best poultry food. Many are good singly and in combination, but the *very best results* come from feeding *roots* and *vegetables* in combination with other foods Roots and vegetables are cheap and thereby reduce the feed bill while adding to its value.

Banner Root Cutters

prepare roots and vegetables of all kinds faster and better than it can be done in any other way. Send for free illustrated booklet and make the hens pay this winter. Address

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One Year's Saving in Fuel by Using a Candee Incubator

OIL BILL YEAR BEFORE



Based upon actual savings of E. E. Brown of East Moriches, N. Y.

The saving in fuel alone justifies the use of a Candee in place of batteries of oil machines.

With a Candee you have thermostat heat regulation for each setting of eggs,—no raising or lowering of trays.

A coal burning, hot water heater takes the place of the oil lamps.

The Candee is a Money Maker

In custom hatching, the Candee pays for itself in a single season.

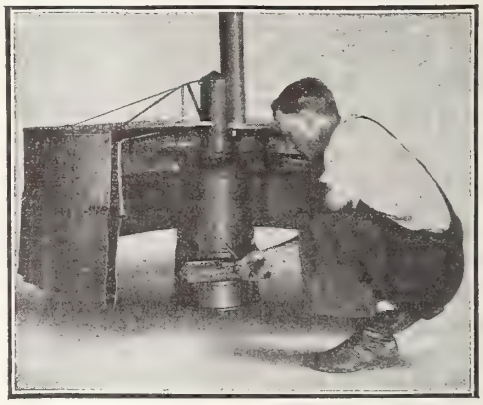
In day-old chick business, two hatches repay the purchase price.

A High school student earned $160 this season with a Candee 1200.

A blacksmith with baby chicks earned $300—$40 more than he paid for his Candee—and hatched a thousand chicks for himself.

There are hundreds of such instances. They indicate the profitable phases of poultry.

Investigate them, by writing today for our big free, 1915 Catalogue.



Candee Colony Brooder Heater

Candee Incubator & Brooder Co., Dept. 2, **Eastwood, N. Y.**

5400-Egg Candee Incubator in use at Mountain Grove, Mo., State Experiment Station, Prof. T. E. Quisenberry, Director



Building Material Prices S-M-A-S-H-E-D

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The Chicago House Wrecking Company now owned by the Harris Brothers Company decided that their best interests required more prominent use of the owners name. This Company has been favorably known to the public everywhere as "The Great Price Wreckers." The price smashing ability of this Company has earned for us an enviable reputation and justly earned title. "The world's greatest bargain center." During 22 years of successful business the four Harris Brothers have been the executive officers and owners. There is no change in our business except that the four Harris Brothers will advertise and sell their goods under our new name.



Harris Home No. 23

Never before in our entire history have we been so splendidly equipped to supply wonderful bargains. There isn't another firm on earth that occupies the unique position in the merchandise world that we do. The original methods which we pursue in securing our tremendous stocks of dependable material and merchandise and our enormous buying power represented by our $10,000,000 capital makes it possible for us to buy for spot cash entire stocks that are beyond the reach of ordinary buyers. We are determined to make the Fall of 1914 a memorable one with this Company especially in our departments of building material. These rare bargains speak for themselves.

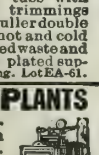
Bathroom Supplies $13.00



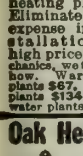
White enameled cast iron one-piece roll rim bath tubs with nickel-plated trimmings and including fuller double bath cocks for hot and cold water. Connected waste and overflow nickel plated supply pipes. 5 foot long. Lot EA-61.

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Save one-half on modern heating plants. Eliminate the expense in installation of high priced mechanics, we tell you how. Warm air plants $67, steam plants $134, hot water plants $154.



Oak Heaters $2.45



But one of the stove snaps in our bargain book. Best made kitchen ranges, base burners, hot blast and oak heaters in all styles and sizes. Lot EA-62.

$1098 BUYS MATERIAL TO BUILD THIS Model Farm Home

Without question the most convenient and practical design offered today. It represents the combined result of 22 years of expert planning, designing and close study of economy in material and construction. For years we have solicited suggestions from hundreds of our customers and country people everywhere. The best we have received is embodied in this design. Let us take you through it.

Basement under entire house; boiler room in rear. Boiler and coal room section and front section may be partitioned off tightly. Dust tight coal bin and root room. Outside cellar stair; large door easy to get in and out. First floor has 4 large rooms. The reception room and living rooms are separated by cased opening; giving an extra large social gathering room if desired. This also applies to the living room and dining rooms. Main stairway has a lead to kitchen permitting passage to second floor without going through living room. Kitchen is large and well arranged. Pantry will hold a wonderful lot of supplies. A large handy washroom is provided just back of kitchen. There is also a back porch between the pantry and washroom properly protected. On the second floor are 4 good-sized bedrooms each with its own closet. A linen closet is provided for and an airing porch which may be used for out-door sleeping purposes. Bathroom is conveniently located for economical plumbing.

THE MATERIAL The above price includes all first-class No. 1 dimension lumber. Beautiful glazed front door, Clear flooring, Clear Cedar shingles and siding; up-to-date hardware. Ready-cut door and window frames, inside door jambs, out door and window casings, balance in lengths to work without cutting or waste wherever possible, all glass in and back putties.

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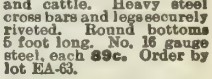
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Hog Troughs



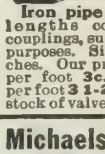
Big bargain in strong durable troughs for hogs and cattle. Heavy steel cross bars and legs securely riveted. Round bottoms 5 foot long. No. 16 gauge steel, each **89c.** Order by lot EA-63.

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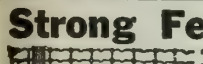
Iron pipe in random lengths complete with couplings, suitable for all purposes. Size 3-8 to 12 inches. Our price on 1 inch, per foot **3c.** 1 1-4 inches per foot **3 1-2c.** Complete stock of valves and fittings.

Michaelsen Paint



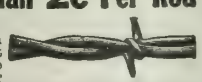
The name "Michaelsen" on paint has been a guarantee of quality over 30 years. Best ready mixed house paint at **89c** per gallon. Order lot EA-64. Unexcelled barn paint **56c** per gal. Order lot EA-65.

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Strong heavy fencing adapted for hogs and all general farm purposes. 26-in. 7 line wires high. Square mesh, stays 12-ins. apart. Per rod **14c.** Order by lot EA-66.

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New galvanized heavy weight barb wire put up on reels of about 100-lbs. 2-point barbs. Strong and well made for long service. Price per 100-lbs. **$1.95.** Order by lot EA-67. First grade, best made 2-point barb wire 80 rods to reel, price per reel **$1.45.** Order by lot EA-68.

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Smooth galvanized fence wire very handy about the farm. Used for fences, stay wires, grape vines, etc., put up in rolls of random lengths ranging from 50 to 250 ft. Our price on No. 9 gauge for 100-lbs. **$1.13.** Order by lot EA-69.

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Prices on lumber smashed to pieces. So low that they will absolutely save you big money. Every piece brand new and up to grade. We have on hand upwards of 20,000,000 feet of high grade lumber suitable for the construction of buildings of every kind. Pay us a visit here at Chicago. See this mammoth stock right here in our own lumber yard. Here you will find every needed piece of material in just the grades you wish, whether lumber, shingles, structural steel, etc. Best of all big savings in dollars of your money await you in our unbeatable proposition. Get in touch with us at once. Write today.

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We are splendidly equipped to give fastest service making shipments from Washington, Texas, Mississippi or Chicago according to your location. This insures lowest freight charges at all times thus increasing the big savings represented in our low prices.

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Ready Roofing 75c per Sq.



95c buys the best and heaviest three-ply rubber surfaced perfect lasting roof covering. Our "Ajax" brand in rolls containing 108 sq. ft. 2 to 3 pieces in each roll. Nails and cement included. For 3-ply, order by lot EA-70. For 2-ply price per roll 85c. Order by lot EA-71. For 1-ply, price per roll 75c. Order by lot EA-72. **$1.75** buys our unequalled heavy weight white marble surfaced **Gold Metal** Roofing. One piece continuous lengths, rolls contain 108 sq. ft. An unqualified service and quality guarantee for 20 years goes with each roll. Nails and cement included. Order by lot EA-73.

Above prices F. O. B. Chicago.

Best Metal Roofing $1.19 Per Sq.

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Above Prices are F. O. B. Chicago

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100 lbs. **$1.28**

Standard wire nails put up in 100-lb. kegs, all kinds and sizes mixed together. Price per keg **$1.28.** Order by lot EA-76. Galvanized 10d new wire nails put up in 100-lb. kegs, price per keg $1.85. Order by lot EA-77. Handy bolt assortment of carriage bolts, machine and tire bolts, flat and round head screws, rivets and washers, about 750 pieces in all. Weight 5-lbs. Price **38c.** Order by lot EA-78.

$5.45 Buys This Dining Table



Less than factory prices. Just as illustrated. Well made and finished a rich golden. Made by one of Americas best and biggest factories to sell for 60 per-cent more. 42 inch top complete with two leaves, non-binding slides, good top lock. Order by lot EA-79. Price each **$5.45.** Other sizes and styles at proportionate savings.

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This mammoth Price Wrecking Catalog lists practically everything under the sun in the way of merchandise for the home and supplies for the farm. A book of about 1000 pages. Profusely illustrated with over 50,000 bargains. Every article offered in this book is guaranteed brand new and first-class. Opportunities such as presented in this book seldom occur. You should by all means have this wonderful book of bargains in your home. It simplifies mail-order buying and makes shopping easy for you. Every purchase you make gives you the satisfaction of knowing that you have saved at least from 1-3 to 1-2. Your copy is waiting. Write for it today. Mail the coupon.

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Heed Our Cackle and Save $250.00

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Write us at once for particulars concerning the Crow Elk-Hart plan of selling that enables the buyer to save $250.00 by purchasing one of our new 1915 **Crow Elk-Hart** motor cars.

Our new 1915 Model E-45 Touring car is typical of the entire **Crow Elk-Hart** line.

It is also the most popular model with those desiring a **Five Passenger Touring Car** of dependable power, combined with the luxury and finish of the most expensive cars.

Our cackle has appeared in the American Poultry Journal for several months.

Now, we are cackling again because we have something to cackle about.



SIMPLE SILENT

"MADE TO MAKE GOOD"

SPEEDY SAFE

The E-45 is equipped with a **silent, smooth running motor** of 35 H. P. This classy **Crow Elk-Hart** has the power to meet all conditions that the efficient car is supposed to meet. We stand back of this car with our seven years reputation as **reliable manufacturers** and our strong **two year guarantee** accompanies the sale of every car. **Do you know of another automobile manufacturer as liberal in his guarantee?**

The new stream-line effect, carried out so nicely in the 1915 models, marks the **Crow Elk-Hart** one of the most attractive American cars from point of appearance.

The mechanical construction is in keeping with the outward appearance. Material going into each Crow Elk-Hart is the best that can be procured.

To attest this fact, we reproduce below an extract from the letter of

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"Have just finished going through one of your cars, which had been driven over two years and had the hardest usage. Our adjustment of crank and other bearings was so slight that it is hardly worth mentioning. In many years around machinery, have never seen parts wear so well as those of your machine. May I have the agency here?"

Special Dealer's proposition will be forwarded upon written request. Act promptly!

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Real Winners—*Real* Layers! Winners at Chicago, St. Louis, Indianapolis. Write today for Finest Leghorn Catalog—Free! **Eugene C. Smith, 317 Galena Blvd., Aurora, Ill.**

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None better; prices reasonable. They are going to win from fall fairs to winter shows, better let it be for you.

ACME POULTRY YARD C. A. Gifford, Prop. **RUSK, TEXAS**

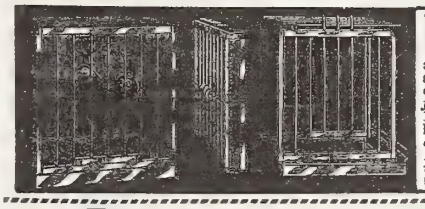
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are accurate and dependable. Don't risk eggs in an incubator or chicks in a brooder until you have put "TYCOS" Thermometers on guard. Insist that your new machine be equipped with "TYCOS". Price, 75c each at your dealer or from us. Write today for booklet, "Incubator Thermometer Facts Worth Knowing". Free.

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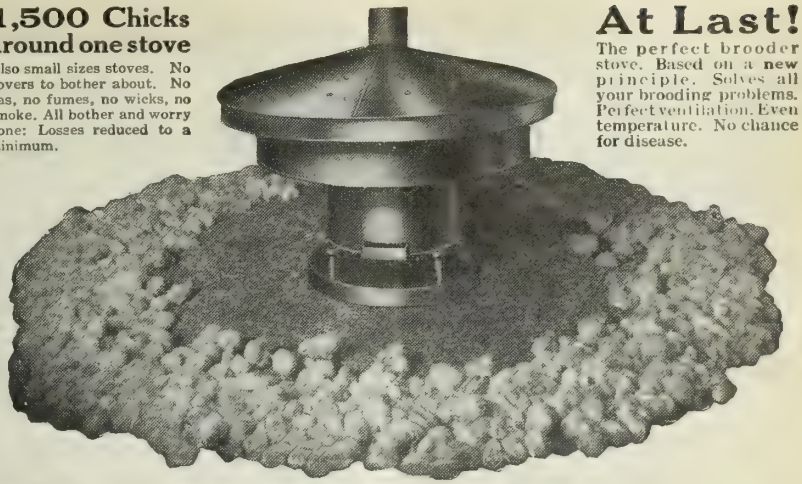


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Also small sizes stoves. No hovers to bother about. No gas, no fumes, no wicks, no smoke. All bother and worry gone: Losses reduced to a minimum.



At Last!

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Simplex Brooder Stove

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The Simplex Brooder Stove means one-tenth as much work —costs one-fourth as much to operate as any other system. Does away with all fuss and bother. Simply constructed—easily installed and cared for. It is self-regulating—needs no watching—eliminates all worry. Try it for 30 days **free.**

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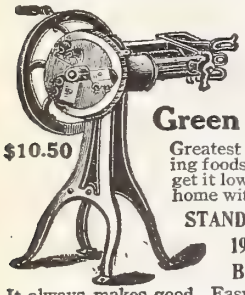
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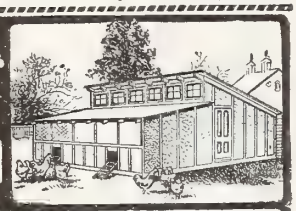
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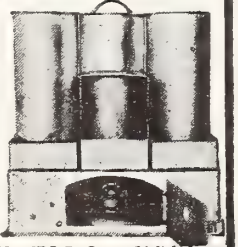
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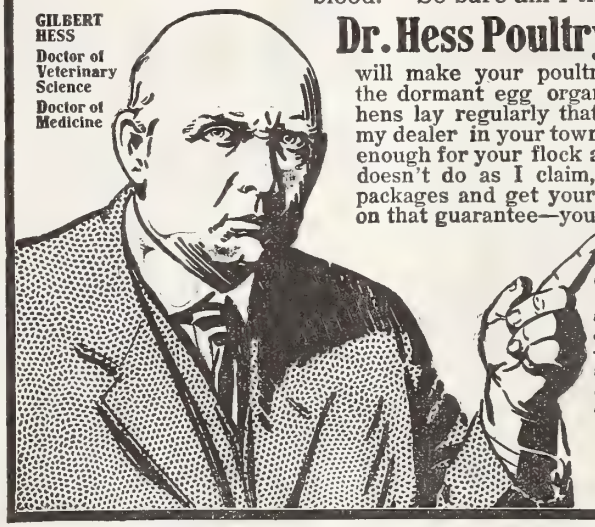
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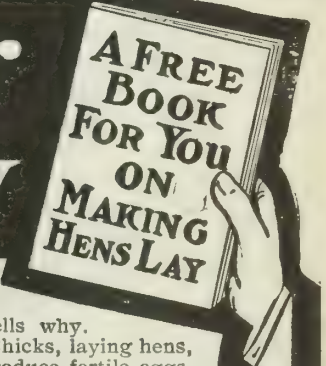
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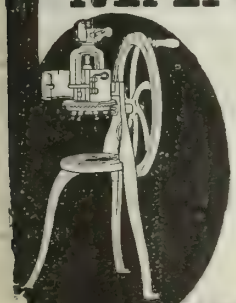


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POULTRY FENCE

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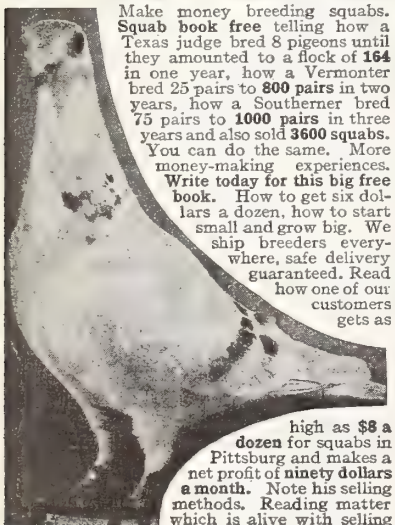
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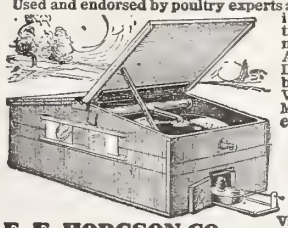
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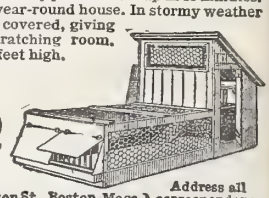
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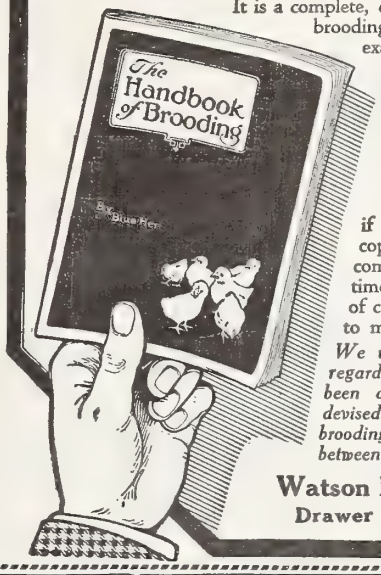
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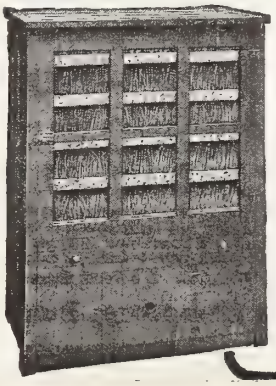


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It makes 3 to 4 bu. of the **snappiest, juiciest and most tender sprouts** imaginable—all from 1 bu. of dry grain. This kind of feed is a **natural tonic and regulator**—keeps birds in perfect condition, too, besides making them profitable.

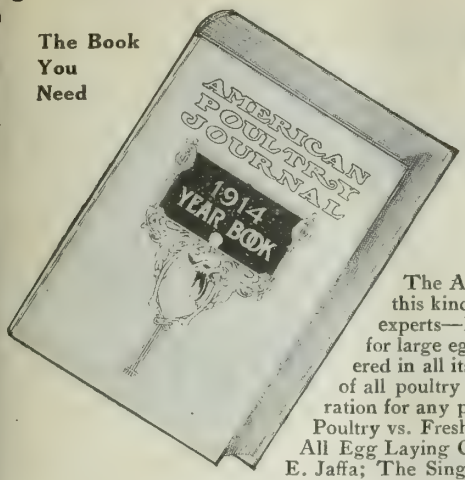
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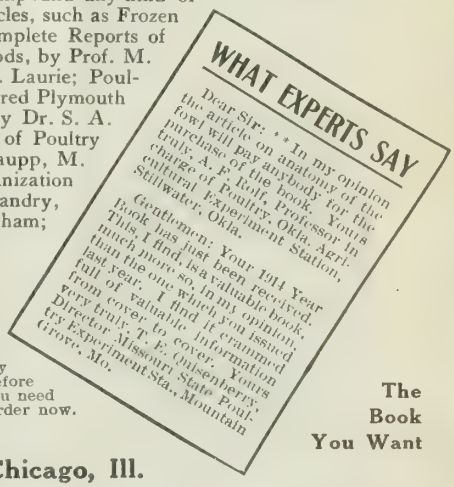
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Barred Rock White Rock S. C. W. Leghorn R. I. Red

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$7.50	for our regular	$10.00	Superlative	Cockerel	
5.62	" " "	7.50	Excellent	"	
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While Pittsfield is strictly a utility strain we raise splendid exhibition birds. This year they are better than ever. The prices are moderate—but you must write early to get the choicest.

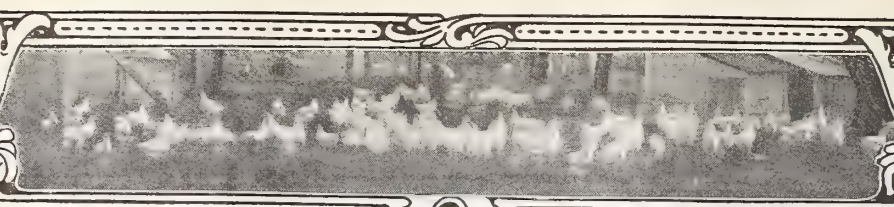
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OWNED and EXHIBITED by
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Practical Poultry Lecture 30 Years Old

What A. C. Hawkins Said About Utility Poultry in 1884, When He Had Been in the Business About Eight Years



HISTORY is always interesting, but it is probable that A. C. Hawkins, recognized prominent fancier of today, did not realize that he was making history when he addressed the Berkshire County, Massachusetts, farmers on the subject of "Poultry and Eggs" thirty years ago. His record goes far to prove the contention of those who argue that a utility poultryman is the right foundation on which to build the successful fancier.

Mr. Hawkins was born in Somerville, Mass., and since he was four years old has lived on the farm in Lancaster where he now resides. He is about 58 years old and has been in the poultry business for fully 38 years. He began with market poultry and made a success of it, working up a good business furnishing chickens and eggs to the city market. From the very first he began to take an interest in and to work into the breeding of thoroughbred poultry. For several years he was an exhibitor and winner at small shows and in 1883 he made his first large exhibit at New York and made a big winning in hot competition. He has been winning his share of honors with his varieties ever since. He continues to conduct a good sized poultry plant, raising something over two thousand head annually and "farms out" as many more.

We find Mr. Hawkins' thirty year old lecture in the report of the Massachusetts Secretary of Agriculture for 1884 and read it with so much interest that we decided to reproduce it entire for the benefit of American Poultry Journal readers, who will find this advice, though 30 years old, has lost very little of its practical value. Its publication will probably be a surprise to the author. The lecture of 1884 follows: (Editor of A. P. J.)

POULTRY AND EGGS.

BY A. C. HAWKINS, LANCASTER, MASS.

It is with much pleasure that I meet the farmers of Berkshire to discuss a subject that is of great importance to us all; a subject the magnitude of which can hardly be accepted by many of you who have not had experience in it. Although I shall make some remarks in regard to keeping poultry as an entire business, I will call your attention more particularly to the subject of

Poultry and Eggs as Farm Products.

There are many farms in almost any section of the State, the soil and general conditions of which are adapted to the production of poultry and eggs. Carefully managed, this may be a source of much profit to the farmer; and if he or his family have an aptitude for the business, there is no reason why it may not be made very profitable. He will complain from one end of the year to the other that he is selling his milk at a less price than it costs to produce it, that there is no money in raising pork at the prices received; he is complaining now that he has raised thousands of cabbages this season that he had to feed to his cattle, as there was no market for them, and that what were sold had cost him more than he had realized for them. Let some of these farmers who have suitable land give a part of their attention to raising poultry and eggs for market, care for their fowls as they do their cattle, or as they do for their corn field when they are trying for that hundred bushels of shelled corn per acre; leave nothing undone that will increase their comfort and consequent thrift, and I am satisfied that the poultry page in their account book will in a short time be looked at with as much pleasure as any other page of the farm accounts.

You will always find a ready market for fresh eggs and fat chickens at good prices. There will be no fear of glutting the fresh egg market, as this country does not produce enough to nearly supply its wants. Millions of dozens of eggs are imported annually to our shores, the American hen being compelled to compete, unprotected by tariff, with the "pauper" hen of Europe, and the "heather" hen of China. It has been estimated that the cash value of the poultry and eggs consumed in the United States exceeds six hundred millions of dollars ($600,000,000) annually, a greater value than is credited to any other single product of the country, whether cotton, corn, wheat or beef. When, therefore, we speak of poultry and eggs we deal with no small matter, but one that is worthy of our best consideration. I have read of certain breeders who claimed that they made a net profit of from $3 to $6 per hen; but I have never classed myself among such clever poultrymen as these, and I have believed that there was a screw loose in their accounts. Possibly they borrowed the grain from their fathers' corn bins, or sold him their eggs at fifty cents per dozen, and chickens at the price of gilt-edged butter per pound.

I do not pretend that I can show the average farmer how he can attain to these extravagant profits, but I propose to explain how every suitably located farm of twenty to one hundred and fifty acres can carry from one hundred to two thousand laying fowls at a net profit of $2 per hen annually, raising enough chickens every year to keep the number of layers full. The first necessity on such a farm will be a suitable building; still, there are many farmers that could fit up sheds, or a dry barn cellar, that they now have, that would answer the purpose for a limited number of fowls. For the benefit of those who have not such buildings at their command, I will explain the erection of a plain, practical building, to accommodate one hundred hens. This building can be built by any farmer who is handy with tools. It should be shed roof, eighty feet long, twelve feet wide, facing south; and if it

stands on a southeastern slope all the better. For a foundation, use chestnut or cedar posts seven inches in diameter, set three feet in the ground, and sawed off six inches above ground; set these posts ten feet apart, both back and front of building. Upon these posts spike the sills of 2 by 6 spruce. Over each post set studs of 2 by 4 spruce, seven feet long in front and four feet long in rear. In center of each ten-foot section, in front, set two window studs of same dimensions as other front studs. Upon these studs spike the plates of 2 by 4 spruce. Plumb the frame, and board back, front and ends perpendicularly with dry, matched spruce boards. Upon the plates place the rafters of 2 by 6 spruce, two feet apart. Board the roof lengthwise of building with square-edged hemlock boards; eight windows in front, 2½ by 5 feet. The roof and back of building may be covered with the best heavy tarred paper, secured by laths nailed ten inches apart. Cover tarred paper with two coats of coal tar and it will prove water-tight and durable. A ventilator, six inches in diameter, over every second window, will give sufficient ventilation during the very coldest weather. The front and ends should be battened over the cracks and then painted or whitewashed. The inside of building should be partitioned, each twenty feet forming apartments each 20 by 12. Board the partition two feet high at bottom, to keep the male birds from fighting through slats or netting, which may form the rest of the partition excepting the three-foot door in front part of building passing from one apartment to the next. In the rear of building inside, and twenty inches from the ground, make a platform two feet wide running entire length of apartments; eight inches above, and over the centre of this platform, place the roosts of 2 by 3 spruce with top corners rounded. Under the platform place the nest boxes, made as follows: Use a board fourteen inches wide for bottom. Upon the edges of this board nail boards six inches wide, which will form back and front of nests, five inches above bottom board; next put in partitions twelve inches apart, eighteen inches high, making the nests 12 by 14 inches. Nail a five-inch board to the top of partition in front, and to this board hinge the door, eight inches wide, and through which the eggs may be taken from the nests in front, the hens to enter in the rear. Such a nest is appreciated by the fowls, as they may be secluded from the others while laying. It is also easily cleaned and whitewashed. Each nest-box should contain twelve nests, or it may be made in two sections of six each, to secure lightness in moving. The necessary expense for lumber, nails and everything to construct this building will not exceed $70, and you will have a much more practical poultry house for business than an expensive one with fancy trimmings and lattice-work inside, all of which serve as a harbor for lice. Cover the ground inside four to six inches deep with coarse, sharp sand, which will make a dry, suitable floor, and one that will be enjoyed by the fowls during the cold winter. A thorough coat of whitewash inside will complete the building. The house should be near or in the orchard, that the fowls may have sufficient shade in summer; and if the farmer wishes to enclose them at special times during the year, while he is planting the garden or seeding some plot near by, there should be yards in front of each apartment for this purpose.



A. C. HAWKINS
Lancaster, Mass.

The most important of all things regarding the farm poultry is to select a variety of fowls that are hardy, good layers, medium size, quick to mature, and a plump, yellow-legged, yellow-fleshed table fowl. It is also desirable that they be good setters and mothers, as the hatching should be done in the natural way. A cross made by the Leghorn, either Brown or White, with the Light Brahma makes one of the best families of crossbred fowls. Also a cross of the Plymouth Rock and Brahma, or Wyandotte and Brahma.

Although a low grade cow or horse may make a good record, yet, when we look over the list of remarkable horses or cattle, a large proportion of them will be found to be pure-bred animals, raised by men who understood the science of breeding, and who had some great record in view when they caused to be mingled the royal blood that produced the winners. Probably no race of cattle known has made such enormous milk records, or so many of them, as the Holsteins, and we naturally believe that the introduction of such blood in our herds means a great increase in the milk product and in the milk bills for years to come.

When I began breeding fowls, some eight years ago, I was determined to keep only that variety of fowls which combined the most practical merit for a general market, and with this end in view I made many experiments, both with crosses and thoroughbreds. The Light Brahma, Plymouth Rock, Brown and White Leghorn and Houdan were all tried in their purity, and were also crossed with each other to increase the laying qualities of some and the weight of others, keeping nothing further than a first cross. Repeated experiments proved to me that there was no fowl, either half-blood or pure-blood, that combined so many practical qualities as the Plymouth Rock in its purity. The qualities of this variety are too well known to need comment. They have been conceded to be the finest table fowl that enters our markets. Within the last two years they have met their strongest rival in the Wyandotte, which I believe will prove one of the most valuable fowls for the farmer. They are great layers, about the size of the Plymouth Rock, small in bone, but very plump and yellow when dressed. They have clean, yellow legs, which is a very desirable feature in our New England markets. The farmer can make no mistake in selecting either of these varieties in their purity for his regular farm stock. For those who cannot afford to start with a number of these fowls, it would be advisable to procure vigorous, thoroughbred males to cross on the best of your common stock.

With the new poultry house and one hundred vigorous April or early May pullets, twenty-five in each apartment, you are ready to begin business. From careful analysis of the various kinds of food, we find that the constituents of the egg are found in good wholesome proportions in milk, corn, oats, wheat, meat, lime, grass and potatoes; articles available on any farm. In the morning at daylight give the fowls a feed of warm, soft mash, mixed as follows: one-third in bulk of corn and oats ground together in equal parts, one-third wheat middlings, one-sixth ground beef scraps or boiled meat, and one-sixth boiled potatoes. If this morning meal can be mixed with skimmed milk it will be still better and will induce the hens to lay earlier and oftener. Next fill a tight flour barrel with fresh clover rowen that has been run through a hay cutter, and pour upon it four pails of boiling water. Cover the barrel tightly and let it stand till one o'clock, when the fowls may be given all they will eat, which will be considerable after they are used to it. At the same time give them a light feed of wheat and cracked corn, which should be strewn among leaves or some kind of litter that the fowls may get plenty of exercise in scratching for their food. It is very important that they should indulge in this afternoon exercise during the cold weather, as it is conducive to their health and productiveness. Just before dark, feed all the whole corn the fowls will eat, that they may go to roost with well-filled crops of such food as will digest slowly and last them well into the long winter nights. The fowls should have constantly before them clean, fresh water or milk, ground oyster shells, and green food, such as cabbages or raw turnips. With the above bill of fare and regularly cleaned and ventilated quarters, the farmer will be rewarded with a full egg basket every night during the winter.

When the warm weather comes and the fowls are naturally more vigorous, they will need feeding only twice daily, morning and afternoon, and if they are allowed the range of the farm, will need no supply of green food or vegetables; but if

at any time they are confined in yards or buildings, these articles should figure in their regular diet.

It is believed by many that if fowls are confined in yards and supplied with green food, that their eggs will hatch as well as when running at large; but after repeated experiments on this point, I find that eggs hatch much better and that the chickens are much stronger when the breeding stock is allowed unlimited range. When the fowls are given this privilege, the egg is constructed of such material as nature intended it should be, and the nearer to nature we can give our stock at this very important time the stronger and more natural will be the germ in the egg. It is necessary, in order that we may be successful in any business, that we should start right and lay a proper foundation to build upon. If the fowl is deprived of nature's food at the time of breeding, the constituents of the egg will be different from what they should be as food to nourish the embryo chick in the shell. If the chick has been nourished by imperfect food during this early stage of its existence, it starts in outside life in a weakened condition. The chick may have the appearance of being healthy, but if nature's organs are not perfectly constructed they may fail to perform the functions necessary for life, and the chick droops and dies. It is then of vital importance to successful production of chickens that the breeding stock should run at large at the time that the eggs are forming and being deposited that we wish to use for hatching. With this, then, in view, you should place all such stock in the two outside apartments of the fowl house about March 1st, in most localities in New England, allowing twelve hens to each vigorous cock to insure the fertility of the eggs.

If the fowls have been laying abundantly during the winter, many of them will become broody by this time, and all that desire to set should be placed in the two middle apartments of the fowl house. About March 10, place thirteen good-sized, well-shaped eggs under each setter. If both apartments are full there will be twenty-four hens covering the nests, with three hundred and twelve eggs. Care should be taken that the nests are so constructed that the hens can cover them easily, for if the nests are poorly made some of the eggs may become chilled and spoiled. There is no better material than fine, uncut hay for making nests for setters. At time of setting sprinkle both nest and hen with fine tobacco dust, which will insure the coming chicks from lice, although a second application three or four days before hatching would be advisable. If the eggs were fresh at time of setting, as they should be, most of the chicks will appear on the twentieth day of incubation; but if several days old when set, the chicks will be a day or two later.

Allow both hen and brood to remain in the nest for twenty-four hours after hatching, and they will need no food during that time. The hen and chicks may then be removed to a dry coop, two by three feet on the bottom and having a movable board floor covered with fine hay chaff. The coops should be placed not less than twelve feet apart in some sheltered southern exposure, where the chicks may be allowed to run about and bask in the sun. The hen should be confined to the coop for four days, after which she should be allowed to run at large each fair day after the grass has become dry.

The first food for the young broods should be stale bread or crackers soaked in milk, and fed in rather a moist condition. With this food they will need no drink till two or three weeks old, when they may have a constant supply of milk or water, which should be always clean. During the first two weeks the chicks should be fed at intervals of two hours, and from two weeks to six weeks old, five times daily; the first feed always at daybreak, or the first thing in the morning. After they are two weeks old, they may be given a feed of wheat or cracked corn twice daily, but always soft food in the morning. When four weeks old, the soft food may be prepared in same manner as described for laying hens, mixing with milk when it can be spared for them; where skim-milk or buttermilk can be procured at from four to six cents per can, it is a cheap food for chickens, as it will place them in the market two weeks earlier and in good condition.

If it is desirable to raise more chicks than the first hatch has brought forth, the nests may be filled again, and the second broods will be off before May 1st. It is not desirable to hatch chickens for market later than June 1st, as the late broods are not liable to do as well when early ones are about, as the older chicks are stronger and will trample over the later ones to their injury. The chicks of different ages should be kept at quite a distance from each other for this reason, allowing only flocks of same age to feed together. When the chicks are six weeks old they may be removed to some other part of the farm, where they will have a fresh hunting-ground for insects, which will form an important part of their food. They should be placed in small, portable houses, eight feet long, four feet wide, three feet high in front and two feet high in rear, with tight floor and roof. The sides of this building should be boarded perpendicularly, leaving one inch space between each board to secure perfect ventilation without a draught. There should be two roosts, running lengthwise of house, made of 2 by 3 spruce joists.

It is an invariable rule that chickens mature much better, grow larger and faster, and are always healthy, when they are allowed to roost in the trees, as nature intended them to do; but their enemies are so plenty in this section of the country it is impracticable to allow them to roost outside, as when we



This is one of the two cockerels shown at Boston, that were pronounced by Campine men to be the best exhibited this year. He has good type, carriage and head and is remarkably regular in his markings. The sheen of the black, all that is to be desired. He should sire many blue ribbon winners for Mr. Phipps this season.—Louis Paul Graham. Made from retouched photo.

are ready to send them to market the number will be few. A house such as I have described supplies all the favorable conditions of out-of-door roosts, and protects the fowls from all their enemies. Such a building will accommodate forty chickens till the cockerels are ready for market, and will protect the pullets that remain till they are ready to lay. I have proved by actual experiments that chickens six months old will weigh two pounds more, each, when raised in such houses, than those of same age kept in tightly boarded houses with ventilators, etc., both having same feed.

When the chickens are removed to these houses they should be placed at quite a distance from and out of sight of their former habitation; if this is not done, they are liable to go back to their former coops. They should be moved at night, and shut in the house for a day or two, when they may be let out just at dusk, always feeding them near their new quarters. After a day or two they will be contented, and will always be found at night in their new home. If they are placed near some cornfield they will do no injury to the growing crop, and it will serve as a shelter for them from the burning sun. As the season grows later and the hay crop is gathered, these

colonies may be scattered all over the mowing fields to a great advantage to the next season's crop. The chickens will destroy all the insects, and the fertilizer that they deposit will make fields look green.

Farmers, one thousand chickens ranging over your mowing fields from July to November, would be worth more to you than the application of two hundred dollars' worth of commercial fertilizer, and you will be receiving a profit on your chickens besides. I know of a mowing lot that has not been ploughed for fifteen years, but has had large numbers of chickens ranging over it after the hay crops were harvested, and the grass was so heavy on it this season that much of it became lodged before it was ready to cut, and on some parts of it there was harvested three tons of hay to the acre. When the chickens were first allowed to run over this piece of land the owner had to take a rake to get enough grass together to wipe his scythe. It was a poor, run-out piece of land that had been neglected and cropped for years without fertilization. Other pieces of land on the same farm, that have been cultivated and manured within two or three pears, produced hardly enough



The above is an excellent illustration of the sensational first prize White Leghorn cockerel at Madison Square Garden in 1913. Made from a retouched photo.

grass to sustain the grasshoppers that had flocked to them as a feeding ground.

If the first flock of chicks have had abundance of nutritious food, the young cocks are ready for broilers by June 10, when they will dress five pounds to the pair, and, at the usual market price at that season, will sell at 40 cents per pound, or $1 each. The cost of feeding them to this age has not exceeded 25 cents each, which leaves a net profit of 75 cents for every chicken. The later broods will not sell as favorably, but will bring 25 to 35 cents per pound, until at Thanksgiving they will sell at 20 cents per pound. Still at this latter price there is profit in raising them, as they can be raised to six months old for 6 cents per pound, live weight.

The pullets hatched April 1 will begin to show their red combs and start laying about the 1st of October, while the old hens have taken in their signs till after the holidays. The pullets must be taken to their winter quarters before the cold winds of November come on, as they will lay earlier and better for it. The old hens should be killed off, or there must be new quarters prepared for the young pullets. Hens may be kept through two winters with profit, though we must rely on those April pullets for eggs to make the Thanksgiving puddings and pies.

Don't crowd over thirty hens or pullets into each of the apartments in the henhouse, as you will receive more eggs from twenty-five to thirty than from forty to fifty in the same room. Remember this. It is one of the important points in keeping fowls for a profit. It has caused more disastrous failures and has discouraged more poultrymen than any other one thing, excepting incubators. Many people have an idea that one hundred hens will give four times as much profit as twenty-five. Well, they will, but they must be kept under as favorable conditions. They must have four times the room, be kept in four flocks, given four times the care and food, and then they will pay you in the same proportion as the smaller number. If you desire to keep more fowls, you must extend your accommodations for them, never allowing less than eight square feet of inside room for each fowl. There is no reason why you cannot keep a thousand as well as a hundred, only do not start with the thousand till you know how to care for the hundred. I have no doubt that you could give the poultry the entire farm to run over, and put your attention to them so that they would yield you more clean profit than any other farm stock.

Some will say that everybody is going into raising poultry, but don't be afraid of that. There is always plenty of room at the top for all of us that can get there.

What you should strive to do is to raise a better quality of goods than your competitors, and then you will have none. If you can furnish a hotel with fifty or a hundred dozen of eggs per week of uniform color, of good size and clean, warranting every one laid within two days of shipment, you will find no lack of customers for your products, at fancy prices. Even if you depend on your grocer for a market for your eggs, it will pay you to have them uniform in color and size and clean; then, when the times of plenty come, he will take your product in preference to some other farmer's, who believes that an egg is an egg, whether white or brown, large or small, clean or dirty. Work up a reputation for yourself for always having the best, and your customers will come to you, instead of you seeking a market for your goods. In the town where I live there was a grocer who had the name of being a little sharp; one day an old Shaker drove up in front of his door and went in and asked the grocer what he was paying for eggs. The grocer replied, "Twenty cents a dozen," "Well," said the Shaker, "can't you allow a little more for some that are extra large?" "Oh, no," said the grocer, "an egg is an egg with me; I make no difference in price." At this the Shaker went out and brought in about twenty dozen of the very smallest pullet's eggs, such as most of us would be ashamed to sell at all. The grocer emptied the basket without comments, and learned that there was some difference even in the quality of eggs.

There is another crop on the farm that is much benefited by keeping large numbers of fowls, and that is the fruit crop. The fowls are very valuable in destroying the borers and other insects that are injurious to fruit trees of all kinds, and a very vigorous and healthy growth of the trees will be noticed around a farm where poultry is kept. The manure seems especially adapted to them, and the fruit will be more plenty, and of better quality. Fowls are more valuable in connection with the cultivation of plums, as there are very few localities where this fruit can be raised, on account of the destruction of the fruit by the curculio. I have now on my place nearly one thousand plum trees, and nearly all trees that are over three years old bear heavy crops every year. A small part of the fruit is stung by the curculio, and drops off, but we have to pick many more to prevent the trees from breaking and to insure a good quality of fruit. Other farms in the same locality, where plum trees are not so favorably located, very rarely get a full crop of plums. Fowls are also valuable in keeping the borers out of the quince bush. It is only necessary to loosen the soil about the bushes, as the fowls will do the rest.

An important item in the keeping of poultry is the large quantities of valuable manure produced. The best method of retaining the ammonia in this manure, which is held in quite large proportions, is to spread dry loam or plaster under the

roosts, and then store the mixture in barrels. It will hold its strength in this form, and will prove one of the most valuable fertilizers for corn, grass or grain. It is very strong, and must be composted thoroughly before using it in contact with seed; but if properly applied, it will act quickly on the crop, as its elements of plant food are of such a nature as to be easily assimilated by the plant.

Now a word in regard to the use of artificial incubators by the farmer. Some of you, perhaps, may have used them and, as you think, successfully. I have tried them for several years, having used all the best machines, and I would not take the best one that is manufactured today as a present, if I was obliged to use it myself. Chickens hatched by the hen are much stronger, larger and finer in plumage; there is as much difference between artificially produced chickens and natural ones as there is between Jersey butter and oleomargarine. Nature does her work perfectly when she has proper opportunity. Many will ask how they are going to hatch chickens by the thousand? Just as I have told you how to hatch them by hundreds. You must keep more fowls and there will be abundance of sitters at the proper season. I have probably hatched and raised more chickens during the last six years than any other breeder, and the incubator has hindered more than it has aided me. I have had hatched on my place, in one week, over 1,500 chickens, all with hens. That is fast enough. I have probably spent more than $2,000 trying to convince myself that artificial chicken production was a benefit to me, but after the long struggle I haven't an incubator on my place; still the chickens hatch and grow.

Farmers, if you do not care to put a part of your attention to the poultry, give the boys a start. Buy them good stock and let them study the science of breeding. It will be a benefit to them later in life in breeding larger stock. Let them be doing some business of their own. Build comfortable houses for their fowls and encourage them in their work. They will see the reward forthcoming and will take an interest in the business. Give them the use of a corner of the farm, or let them use the most of it at certain seasons of the year. It will be an advantage to your crops and they will show you that the poultry is the paying crop of the farm. When drouth and frosts ruin the field crops the poultry will be left to pay the bills.

The farm that I now occupy did not produce crops that would sell for $100 in 1875, and in 1884 the sales from the same farm will exceed $10,000; and if things go onward as in the past, if the fruit trees that are now young produce such crops as those that are old enough to bear, the products will sell for $25,000 in 1890.

Discussion Following Lecture.

The Chairman. Gentlemen, you have listened to one of the most interesting papers of this meeting, and now there is an opportunity to discuss the question which has been treated in such an instructive and interesting manner by Mr. Hawkins. If there are any in the audience who have any questions to ask, Mr. Hawkins no doubt is as well prepared to answer them as any one.

Question. I did not quite understand what you used for your mash for the fowl?

Mr. Hawkins. One-third provender, corn and oats ground together, in equal parts in bulk, one-third middlings, one-sixth meat, and one-sixth cooked vegetables.

Mr. Grinnell. You did not speak of the Game nor the Dorking.

Mr. Hawkins. No, sir.

Mr. Grinnell. I think that a Game cock and a Brahma hen make an exceedingly good cross.

Mr. Hawkins. I think they would. They are something of the same nature as the Leghorn and Brahma.

Mr. Grinnell. You confine yourself to Plymouth Rocks.

Mr. Hawkins. I have the Wyandotte and Plymouth Rock.

Question. What is the origin of the Wyandotte?

Mr. Hawkins. The Wyandotte is procured by crossing the Dark Brahma with the Silver-Spangled Hamburg. They are a fowl of medium size.

Mr. Munson. I did not understand what the speaker said of the Hamburgs.

Mr. Hawkins. I said nothing good of them. I don't think I mentioned them excepting just now. I was asked to state the origin of the Wyandotte, and I said they were the result of a cross of the Silver-Spangled Hamburg and Dark Brahma.

Mr. Grinnell. You get black legs, don't you?

Mr. Hawkins. No, sir; orange yellow; the best colored legs of any fowl I ever bred.

Question. What is the cause of gapes in chickens, and what is the remedy?

Mr. Hawkins. It is caused by worms in the windpipe, and those result mostly from filth around the buildings. The best way to prevent the trouble is to have nothing of that kind about; but if fowls are attacked with it, they can be confined in a barrel, lime put in the barrel, and they will breathe the fumes, which will cause them to choke and throw the worms out of the windpipe. That is the best remedy I am aware of, although I never had any trouble from the disease.

Mr. ———. I am very glad to have this poultry question brought up for discussion. I have looked into this matter for a year or two, and have come to the conclusion that it is one



The above is an excellent illustration of a wonderful S. C. Buff Orpington cock bird bred by A. B. Porter, the Orpington Specialist at LaSalle, Ill. Mr. Porter's yards have produced many winning Buffs the past few years and he reports the quality better than ever this season. Made from retouched photo.

of the most neglected branches of industry on the farm. The paper which has been read I hope will set us thinking and investigating. It costs us to produce beef and pork, six, seven or eight cents a pound, and that is all we can get for it. To produce poultry per hundred pounds or per pound costs no more, I believe, than it does to produce pork; and it will produce, live weight, more than double what pork will produce, dressed weight.

I heartily agree with the speaker when he says, "Encourage the boys; give them something to keep them at home; give them something to interest them in the farm." Two years ago I visited the hennery of our lecturer, and bought a trio of fowls for my boys; I made them a Christmas present of them. They were shut up, and an exact account kept of everything that was fed to those fowls. Some of the chickens were sold for broilers, some were sold for breeding purposes, some

of the eggs were sold in the market and some were sold for setting. At the end of the year, the result proved that from those three pullets and a cock $56 and some cents had been realized, which, with the balance on hand, made up $66 and some cents. Now they are working out the problem this year: If $14 can be produced from one fowl, how much can be produced from fifty? What the result will be I do not know; but I would urge upon farmers that they give their boys something to interest them. Make your boy a present of some poultry, let him manage them himself and have the proceeds, and he will take a great deal more interest in the farm, and not be so apt to want to leave it the first opportunity.

Mr. Ballard. I have not heard anyone bring out one point so fully as the lecturer has, and that is, in regard to milk for feeding fowls. I have followed the practice for the last ten or fifteen years. About seven years ago I was feeding my pigs milk; the price of pork was pretty low, and I said, "After this I will feed all my milk to my fowls." I have made up my mind that I can make more on one dollar with fowls, by feeding my milk to them, than I can on four dollars with swine. I keep from eight to ten cows, and the fowls and chickens take all the milk. It answers for grain and meat and all things combined. I believe it is the testimony of chemists that milk contains more of the constituents of the egg than any other food.

Question. I would like to ask the speaker to what time of this year his remarks with regard to the food given in the morning apply; whether the year round or only in the winter?

Mr. Hawkins. That was only for winter food. I mentioned that that was cold-weather feeding. When the season grows warmer take a different food.

Mr. Ballard. I let my fowls run at large.

Mr. Hawkins. It makes a great deal of difference whether they are at large or confined. I mentioned that they would not need some of those articles when they were allowed to run at large.

Mr. Ballard. Have you ever used soap-chandler's scraps?

Mr. Hawkins. I have used them, but I have meat that I like better for the purpose. It is selected from the markets in the city every day, and boiled for the tallow, and the meat that boils from the bones I have saved for me. It comes in a cooked form, ready to feed. It will not keep long in warm weather, but I feed so much of it that I get it fresh every day.

Mr. Ballard. I tried some of the animal meal. I don't know what it is. It is like a good many other things that we buy, that we don't know much about. Finally I went down to the soap-chandler's and bought five hundred pounds of scraps, and I have followed it up every winter. I put it where my fowls can go and eat it whenever they wish, and I have had very good success with them in the winter.

Question. How do you keep eggs from freezing in winter?

Mr. Hawkins. If the house is constructed as I advise it should be, the eggs will not freeze during the day in the building. I do not want to leave them in the nests more than one day. In cold weather the eggs should be collected every night, and there will be no trouble from freezing.

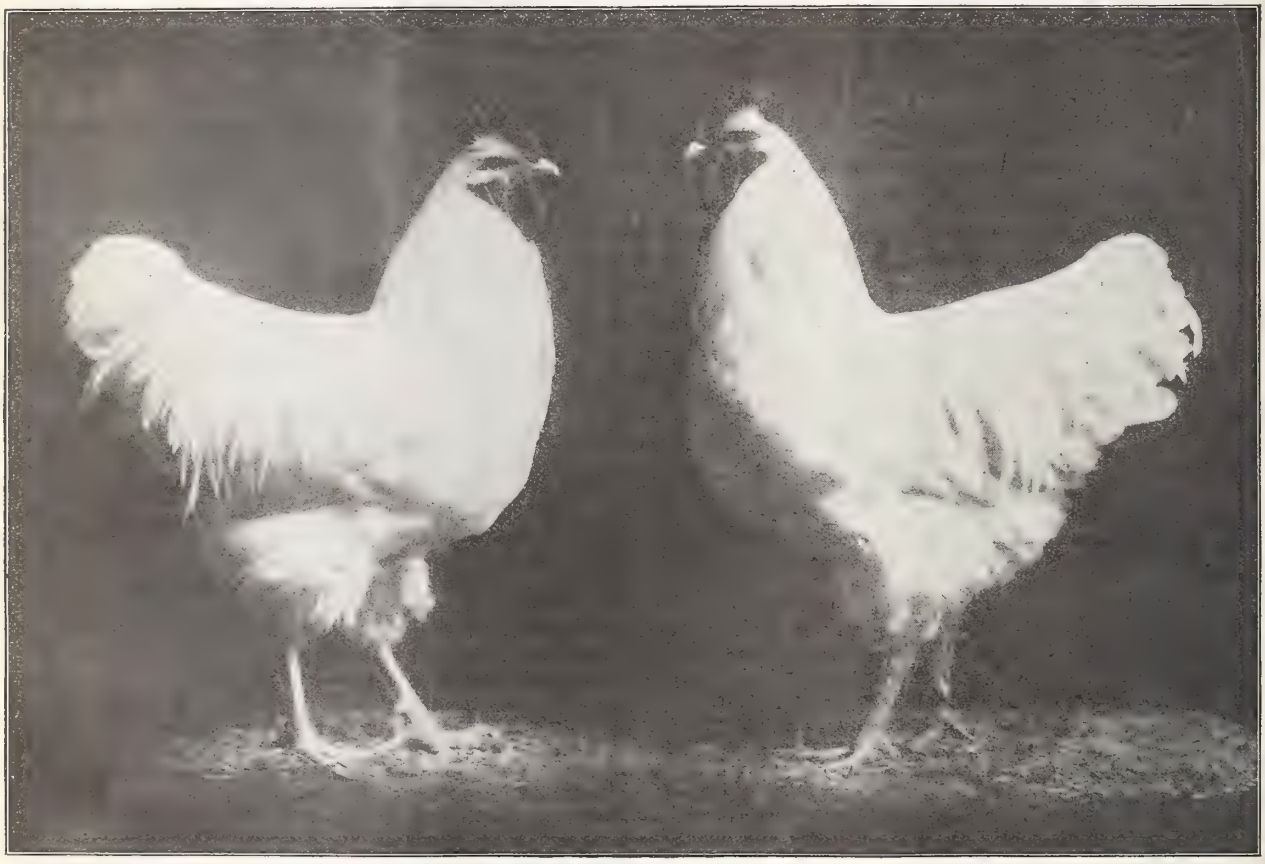
Question. Will you state how you cover your house?

Mr. Hawkins. It is covered with tarred paper on the back and sides, and the front is battened, so that the eggs will not freeze.

Mr. Beebe. I have about eighty hens that I have bred from the old dunghill stock, without crossing whatever, for twenty-seven years. They are good layers, they come to maturity quicker and are a great deal handsomer than the fancy breeds. I have plum trees about my henneries. My hens have the free run of a thousand acres, and there are no fowls nearer my flock than a mile, so I don't think they have been crossed. My plum trees bear fine fruit.

Question. How do you break up sitters?

Mr. Hawkins. I have a room in the center of each of my long buildings with no nests, and when a hen wants to sit she is carried to this room, and in four or five days she has got over her disposition and will go to laying again.



WHITE PLYMOUTH ROCKS.

Unretouched photo of the brothers of the First Chicago Cockerel. By this pair of magnificent youngsters you can see that the parents of these birds have produced not only one or two, but many, most excellent show birds. The past season Mr. H. W. Halbach, R. R. No. 1, Waterford, Wis., had fifteen pens mated and there was not a single pen that did not produce show birds. This shows how good the blood in the Halbach Strain breeds on.

Worst Pest of Poultry--The Chicken Mite

Small in Size, Yet the Mite's Parasitic Method of Feeding and the Rapidity With Which It Can Increase Makes It a Real Menace

By James B. Morman



TOO LITTLE ATTENTION has been given to the chicken mite. It is by far the worst pest of poultry and the greatest drawback to successful poultry keeping. The mite is so small that it can barely be seen by the unaided eye. For this reason the dangers which lurk in this minute pest are often overlooked.

Habits and Spread of the Mite.

The chicken mite *(Dermanyssus gallinæ)* does not constantly live on its host, so that it is not a true parasite. If it always lived on the chicken, the latter would doubtless have a natural means of ridding itself of the pest the same as it does lice, but the habits of the mites place fowls at a disadvantage. They cannot fight the pest, so the poultryman must fight the mites for them.

During the day chicken mites ordinarily inhabit cracks and crevices of the walls of poultry houses, under the roosts, behind supports, and in all conceivable places. At night they leave their hiding places, crawl onto the fowls, suck their blood until they are gorged with it, and then congregate in their hiding places. If left undisturbed they multiply to thousands in a short space of time.

Though small in size, the mite's parasitic method of feeding and the enormous numbers to which this pest can multiply make it a real menace. It does untold damage when least suspected. If mites infest the roosting places, young chickens fail to grow as they should because of the loss of blood; if mites are unmolested, young chickens will frequently be found dead under the perches from mite infestation. Losses which poultry keepers sometimes sustain are attributed to disease when mites alone are the cause of death. At the same time, chicken mites may carry diseases from one fowl to another, just as mosquitoes are known to carry malaria, yellow fever and other diseases. Sitting hens are often so annoyed by the multiplication of this pest that they leave their nests and will not return to them. Many a prospectively good hatch has been ruined in this manner.

The chicken mite thrives best in the summer season and in warm climates, but cold weather does not destroy them. They hibernate and many of the younger mites live over until the spring when they become active with the advent of warm weather. This is likewise true of the eggs laid in the cracks of poultry buildings late in the fall which hatch out in the spring. Fowls carry the mites from one roosting place to another, for when mites become very numerous they sometimes harbor on fowls by day. Birds are also active agents in the spread of this pest. The English sparrow frequently harbors and is one of the hosts of the chicken mite. Sparrows become inoculated with these mites because they line their nests with poultry feathers. When these nests are deserted, thousands of mites and their eggs may be left to infest old or new poultry houses.

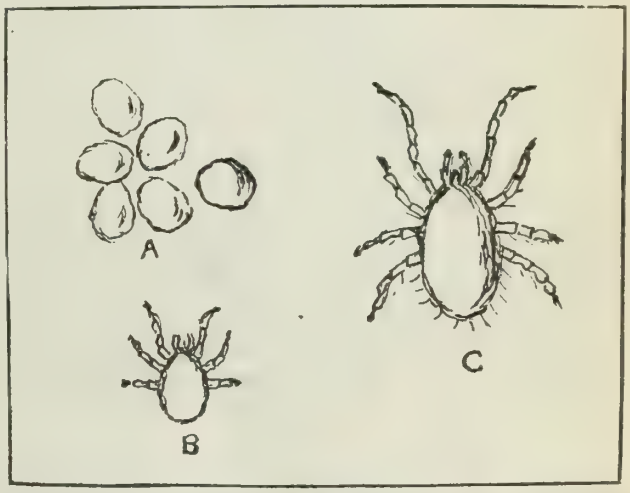
How the Mites Multiply.

I recently placed some of these pests in a concave slide and made a microscopic study of their life history. By the naked eye a full-grown mite appears as a mere animated dot, but under the microscope, it is seen to have more or less of a complex anatomy. The body is not segmented like the body of an insect, but forms a single mass. When fully grown the chicken mite possesses four pairs of well-segmented legs, each of which is supplied at the end with a suction valve which enables the mite to hold itself easily to any kind of surface. The head has a pair of simple eyes only and the mouth parts are formed for piercing the skin and sucking the blood from the chicken. Respiration is effected by the general surface of the body only.

Of the mites under the microscope, the females gorged with poultry blood began to lay eggs within twenty-four hours. From seven to thirteen eggs were laid. The eggs are invisible to the naked eye and so are the young mites when first hatched. The eggs began to hatch out in from thirty-six to forty-eight hours, according to the temperature of the room. In hatching the smaller end of the egg slowly develops and unfolds into the head, mouth parts, and the first three pairs of legs, while the larger end of the egg forms the body proper of the mite. There is no discarded shell or covering of any kind, since an egg simply develops into a young mite which is immediately active and ready for food. As just stated, when first hatched a mite has three pair of legs only, a fourth pair developing from twenty-four to thirty-six hours afterward; but lack of a pair of legs by no means interferes with the young mite's activity and voraciousness. In a week or so a mite becomes fully grown, ready to lay eggs, and multiply the pest indefinitely. If left unmolested for a season, the progeny of a single mite will number hundreds or even thousands.

Prevention and Remedies.

One of the first precautions against mites is to have poultry houses and roosts as free as possible from places where they can hide. Perches should be so constructed that they can readily be removed, examined and cleaned. The habits and anatomy of the chicken mite are such that prevention is better than cure. Thorough cleaning and whitewashing of poultry houses will be an important aid in keeping this pest in check.



A—Group of mite eggs. B—Newly-hatched mite. C—Mature chicken mite. Enlarged 60 times the natural size. See article "The Worst Pest of Poultry, the Chicken Mite."

Where mites are very numerous, an addition of some kerosene and carbolic acid to the whitewash is effective. Since mites can hide in very minute cracks, care should be taken that every crack in the sides of the poultry house is well filled with the whitewash. If whitewash dries on a mite it prevents its breathing and kills it. The perches should be examined every day, painted over with kerosene, and placed in the sunshine. A liberal use of kerosene forced into the cracks of poultry roosts is a cheap and effective remedy against chicken mites.

Sometimes fumigation of poultry houses, especially in warm climates, is advisable when infestation with mites is serious. A simple plan recommended in the American Poultry Journal Yearbook for 1914 to kill mites is to burn sulphur. This should be done when the weather is such that the fowls can be excluded from the house for at least five or six hours. Close all doors, windows and cracks to exclude the air. Get an iron or zinc vessel, set it on some earth in the center of the house, place some shavings or excelsior saturated with kero-

sene in it, sprinkle sulphur in proportion of about one pound to every 100 square feet of floor space, light the material and hastily leave the house, closing it tightly. Allow the house to remain closed for at least three hours and then throw all the doors and windows wide open to drive out the sulphur fumes. After the house has been thoroughly aired, the fowls may be permitted to enter.

Since the active mites only would be destroyed and not the eggs, it will be best to repeat the fumigation once or twice every few days to destroy any newly-hatched mites. In this way the pests will all soon be exterminated. Thus it is evident that constant vigilance is the price of freedom from chicken mites, but the gain to the poultry keeper is well worth the time and trouble.

The Poultryman's Great Opportunity

Eggs and Poultry Are Certain to Be High and Scarce—The National Egg-Laying Contest Monthly Report

By T. E. Quisenberry



THERE is no reason for good poultrymen to be alarmed because of the present situation which we are facing on account of the European wars or the high price of feeds. The man who has a good laying strain of pure bred poultry is going to get enough eggs this winter to pay his feed and labor bills and net him a nice profit. Neither will the man who has a good strain of pure bred exhibition poultry suffer, because good breeding stock and eggs in 1915 are going to be scarce and high. We believe that eggs will likely be higher this winter than ever before. So the good poultryman need not be alarmed. On the other hand, we believe this is really the poultryman's opportunity. But the fellow who will suffer most is the man who has scrub poultry that has neither been bred for eggs nor exhibition.

When times get hard or the price of other food products advance, then it is, as is shown by the past history of the industry, that people turn more to poultry raising than before. Thousands of shop men, clerks, mechanics and laboring men in cities and small towns then turn to poultry as a side line to help pay the "high cost of living." It is certain to be so again. However, because of this uneasiness, there is great danger of many fine flocks, which it has taken years to breed and perfect, being sacrificed this fall and winter. This war is causing feed to advance in price, but it will also cause eggs, poultry and practically all other food products to advance in proportion. Poultrymen will be inclined to become frightened at the high cost of grains and sell off their stock so close that their business will be crippled this winter and next season. The price of eggs is going to be high beyond a doubt. The question with you ought to be, "How to get the egg." There will be a great demand next season for eggs and stock for breeding purposes. Our advice is not to decrease your flock in size so that your business will be crippled this winter or next season.

We have harvested the greatest grain crops we have had for years. Beef, mutton and pork are scarce and high, and are rapidly advancing in price and continually getting scarcer. The world must depend upon the United States largely for its food stuffs. One of our own Missouri packing plants has received an order from Canada within the last few days for a million pounds of dressed poultry. Some of this we understand is for export to England. Take courage, my friends, for if I am not mistaken the greatest opportunity that ever offered itself to American poultrymen lies before you within the next two years. It will take these warring nations several years to recover from the effects of the war, even if it should close now.

We don't advise overdoing the thing. We would not keep a lot of surplus males not fit for sale or use as breeders. Don't keep a lot of drones, or deadbeats, or a lot of old hens which have outlived their usefulness. Get rid of all dead weight, but do not become unnecessarily alarmed and sacrifice a valuable flock which is almost certain to make you good money before the next season has closed.

National Egg-Laying Contest for August

The hens in the National Egg Laying Contest at Mountain Grove, Mo., did almost as well in August as they did in July. The 600 hens in the National Contest proper have averaged 149 eggs per hen in nine months, which is five eggs more per hen than they averaged in twelve months last year. The Leghorn section has done nearly as well, but the Utility Contest has never done as well as it should have done. The hens have been difficult to keep in condition and they got a poor start at the very beginning.

The total number of eggs for August was 13,909. A Missouri pen of White Leghorns from Marshfield won the honors for the month by laying 220 eggs and also worked its way up to second place. The English pen is still leading all others by 228 eggs for the whole time. This entire pen of ten hens from England has averaged nearly 200 eggs per hen for the period of nine months. This is better than has been done in any of our previous contests. A pen of Barred Plymouth Rocks from Ohio has made a splendid record so far and was among the ten highest pens for August and also is among the ten leading pens for the entire period. Two English pens, two New Zealand pens, and one from Australia were among the ten highest for August, also White Wyandottes from Pennsylvania and White Plymouth Rocks from Texas. S. C. Reds from Missouri are among the ten leading pens, but Nebraska has the honor of having the highest individual record. A S. C. White Leghorn laid 218 eggs in nine months. Two Barred Plymouth Rocks, one from Iowa and one from Michigan, have laid over 200 eggs each in nine months.

The best pen record made by the representatives from the various countries is as follows:

	Eggs.
S. C. White Leghorns made best English Record	1,964
S. C. White Leghorns made best United States Record	1,736
S. C. White Leghorns made best Missouri Record	1,736
S. C. White Leghorns made best Vancouver Island Record	1,516
S. C. White Leghorns made best New Zealand Record	1,440
S. C. White Leghorns made best Australian Record	1,438
White Wyandottes made best Canadian Record	1,352
S. C. White Leghorns made best British Columbian Record	1,322
S. C. White Leghorns made best South African Record	1,143

The pens which have made the best records for all times and which stand at the head as the best ten are as follows:

Pen—	Eggs.
0—S. C. W. Leghorns, England	1,964
65—S. C. W. Leghorns, Missouri	1,736
79—S. C. W. Leghorns, Pennsylvania	1,722
47—S. C. Reds, Missouri	1,697
18—White Wyandottes, Pennsylvania	1,622
70—S. C. White Leghorns, Missouri	1,610
9—S. C. White Leghorns, Pennsylvania	1,601
59—Barred Plymouth Rocks, Ohio	1,538
61—S. C. White Leghorns, Nebraska	1,521
24—White Wyandottes, England	1,517

Several hundred hens were broody during the months, but in spite of that fact most pens held up very well, and the ten highest for August were as follows:

Pen—	Eggs.
65—S. C. White Leghorns, Missouri	220
75—S. C. White Leghorns, England	214
102—S. C. White Leghorns, New Zealand	214
3—S. C. White Leghorns, Australia	201
59—Barred Plymouth Rocks, Ohio	196
79—S. C. White Leghorns, Pennsylvania	195
0—S. C. White Leghorns, England	192
18—White Wyandottes, Pennsylvania	183
101—S. C. White Leghorns, New Zealand	182
57—White Plymouth Rocks, Texas	179

The indications are that we will not have any exceptionally high individual records, but the hens are averaging up better than ever before. The hens which have laid over 200 eggs in nine months are as follows:

	Eggs.
No. 611—S. C. White Leghorn, Nebraska	218
No. 05—S. C. White Leghorn, England	216
No. 653—S. C. White Leghorn, Missouri	213
No. 02—S. C. White Leghorn, England	206
No. 566—Barred Plymouth Rock, Iowa	203
No. 864—Barred Plymouth Rock, Michigan	201
No. 06—S. C. White Leghorn, England	200

Construction and Location of Nests

Useful and Practical Suggestions as to Size, Convenience and Simplicity of Construction

By W. C. Hunter



IN THE MATTER of providing nests for the poultry house, the tendency is generally toward extremes. Either we give them practically no thought, supplying in makeshift fashion any kind of a box, placed anywhere, or we install one of those complicated mechanisms called trap-nests. Not that the trap-nest, as such, is not a useful article, but that trap-nests in continuous usage are useful only in proportion to their simplicity.

The orange or grocery box makes a fairly serviceable nest, but it is hardly satisfactory to anyone keeping a hundred or more fowls. The proportion of nests to the number of fowls kept is, according to the breed, about one nest for every four to six hens. They should be so placed as to offer seclusion, at the same time being conveniently located for both hen and attendant, and easy of disinfection and cleaning. Like all poultry house construction, the expense should be kept as low as possible.

The size of a nest is somewhat dependent upon the breed. For small fowls, such as the Leghorn, ten inches is sufficient. For Plymouth Rocks, Rhode Island Reds, Wyandottes, twelve or thirteen inches square is proper, and for Brahmas, Cochins and Langshans, it is necessary to allow fourteen or fifteen inches square to each nest. The mistake is sometimes made of making nests too large for one bird and too small for two, with the result that two birds try to crowd into it and eggs are usually broken. More birds get the egg-eating habit through breaking eggs on the nest than in any other way. Egg shells are of different thicknesses, varying from thick and hard down to those which are a mere tissue. With two hens tramping around or squabbling on such eggs, breaking is inevitable.

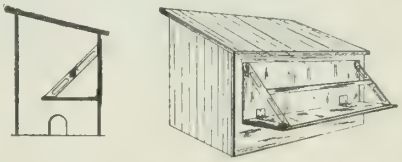
Sometimes it is advisable to provide nests large enough for three or four hens to lay in at the same time. Prof. Graham, of the Massachusetts Experiment Station, uses such a nest on his home plant. It is sixteen by twenty-four inches, and he has had no trouble with broken eggs. In cold weather, eggs in a large nest will usually be kept warm all day, and, if they are to be used for hatching and there is no one at hand to gather them, the large nest is particularly serviceable.

Hens like to lay in a fairly secluded, dark place. It, however, should not be so dark that they cannot see. They are more contented and less restless in such a place, less liable to break eggs, or to be bothered by hens not on the nests. The best position for nests is where droppings-boards are used under them with the opening facing towards the wall. This location fulfills practically all the requirements of seclusion, best use of space, etc. It is not good practice to place nests on the floor, as there they take up space that might otherwise be used for scratching, and there the eggs are most liable to be broken. In such a place, eggs are most accessible to rats. If hens have eggs constantly before their eyes, they are likely to pick at the shells and thus finally to break them. It is also a constant invitation for the hen to sit, especially for a bird with a strong motherly instinct.

The idea of having the hen enter the nest from the top is not a good one; if the nest is deep it is almost certain that eggs will be broken by the hens alighting on them. In nests located on the floor, the sitter is bound to be bothered by other hens. Oftentimes one of them will pick at the comb of a sitter until it starts blood and the hen that is laying is forced from the nest; then the intruder will sit on the nest for a moment or two as though meaning business. But only for a moment, when she will nonchalantly hop off the nest and go to scratching, in such a manner as to indicate the passing of the entire episode from her mind and that it was nothing but a momentary whim and a covetous desire to possess something another bird had. Then, too, if you were to provide one nest for each hen, they would probably all desire to lay in a very few of them. The hen, as well as man, has her psychology.

The height of the nest from the floor is somewhat dependent upon the breed. The small, agile Leghorn can fly up or down a greater height, with less chance of injury, than can the heavier and more cumbersome fowls of American or Asiatic breed. For Leghorns, two and one-half feet is right, and, something less than that, or two feet, for the others. Irrespective of height, it is well to place a running-board six inches wide along the front of the nests for the fowls to light or stand on.

The construction should be such as to facilitate the riddance of pests. Nothing helps toward this so much as to have nests removable, so as to be able to take them outside into the strong light and to give them a thorough cleaning. I advise the use of planed boards for nests; not only does the planed surface offer less chance for hiding places, but, if you are applying disinfectant with a brush, you can cover a smooth surface much quicker than a rough one. Wire-bottomed nests are sometimes advocated. I have used such nests and do not believe they offer any advantage over the wooden-bottomed nests, while they do have the disadvantage that it is very hard to keep nesting material in them. Just as soon as the straw gets out of the nest you begin to have a lot of trouble with broken eggs. Aside from the fact that they are lighter to handle, due to the less quantity of wood used in their construction, there is little preference of one kind over the other. But a nest having a wooden bottom, which is not nailed on, would be decidedly more preferable than one on which wire was used and where it was nailed on. The use of a removable bottom is one of the best ideas in nest construction. The nest simply sits on the bottom boards. Whenever it is desired to renovate it, you have but to lift off the top, clean off the bottom, and readily replace the top.



See article "Construction and Location of Nests."

The partition between each nest does not have to reach from the bottom to the top; suffice it, that it is high enough to keep the eggs from being rolled from one nest to another, and, if so desired, it also can be made low enough to allow the fowl to pass from one nest into another. It is wise, in all construction of poultry-house fixtures, to have them as light as possible. Unless this is done you will learn that the labor necessary to cleaning is sufficient to discourage that persistent, regular attention necessary to keep them sanitary and free of pests. The mere thought of the work involved will serve as a dampener to initiative, and you will find that you keep putting off the task until troubles, a little regular effort would have prevented, multiply into a problem of considerable magnitude. It is the nature of man to perform the little tasks as they appear, as part of his day's work, but to put off for more suitable occasions, those involving much labor. Hence, if fixtures are light you will give them the necessary regular attention without much thought about it, and should have little bother with pests or disease.

If dropping-boards are not used, or it is desired not to place nests under them, a good plan is that shown in Fig. 1. This nest tier faces to the wall, the entrance being from the rear. The front is fifteen inches high, rear ten inches, distance from front to rear fourteen inches, and the alley along the front is nine inches. The board in front of the nests, which holds the straw in, is four inches wide, and the partitions are twelve inches high. Part of the back opens on hinges to allow the removal of the eggs, and the bottom is separate, allowing the whole top to

be lifted off for cleaning. The diagonal leg beneath serves as a support. It is advisable to use the sloping top on nests not under the dropping-boards, as it prevents fowls from roosting on top and the slope hinders the accumulation of droppings.

A good type of nest is the so-called nest drawer, Fig. 2. This drawer slides in underneath the dropping-boards. To make it you need stock as follows:

1 board	4′ 6″ x 9″	(A)
2 boards	21″ x 9″	(B—B)
3 boards	15″ x 6″	(C—C—C)
1 board	4′ 4″ x 4″	(D)
boards	4′ 6″ x 21″	(E—bottom)

The bottom is allowed to project seven inches beyond the front of the nests, serving as a running-board. You also need two sticks of 2x3, each three feet long. From each of these saw a corner 1″ x 1″. These corners (F) are nailed along the sides of the drawer to provide a runner. The joist from which the corners were cut are nailed onto the joint which forms part of the bottom framework of the dropping-boards. A strip of wood can be nailed along the front underneath to provide a handle to draw out the nest.

If the droppings-board is made of boards running lengthwise, and is more than ten feet long, it may be necessary, when using this style of nest, to use a brace to keep the droppings-board from sagging. This can be done by supporting it with a vertical post, though such a post is apt to be in the way, and the better method is to use the diagonal brace reaching from the front side of the boards to a point where the back wall joins the floor, as is shown supporting the nest in Fig. 1. This nest drawer is the idea of Prof. Graham, and both illustrations are reproduced with his permission.

The proper time to make provision for nests is when the house is being constructed. In this way their place is allotted with reference to the other fixtures. When any other method is pursued they are apt to be placed haphazardly anywhere, and the most economical usage of space is not possible. In other words, the correct arrangement of fixtures in a poultry-house, like everything else, calls for some forethought.

Poultryman's Practical Dispensatory

Chapter IV—Disinfectants as Exhibited in the Coal Tar Series and Their Practical Uses

By J. H. Petherbridge



IF I MAY JUDGE from a number of inquiries that have come to me, there exists in the minds of some of the readers of these letters a misunderstanding as to their intent, purpose and limitations. *Drugs, their values, use* and *abuse* as they appertain to the poultry industry and the discussion of some *limited* to what may be of practical utility to the average poultryman, was the writer's design.

For me to attempt to also cover poultry diseases, their causes, effects, how recognized and give detailed treatment for each poultry ill would not only be superfluous but presumptuous in view of the able manner in which these topics are already presented monthly in the A. P. J., but would of necessity still further curtail the amount of information I may be able to offer about drugs, a subject I can by no means exhaust, even with no excursions into adjacent fields.

In order not to have to refer to this matter of *limitation* again, as an explanation of possible omissions in what I have already written and seeming neglect or oversight in anything further I may offer, I wish to definitely and finally outline the angles from which I desire by "offerings" viewed:

Drugs:—Extended notice given only to such remedial agents as are well known, easily obtained in any community and so cheap that their employment makes no material addition to the expense account. Drugs of high potency, valuable doubtless in the hands of an expert but a menace in ordinary use without experience, drugs that are not dependable because of deterioration and chemical change upon exposure to light and air, and drugs difficult to procure and too costly for a profitable "cure," will only be referred to briefly or mention entirely omitted.

Values:—Among the mineral salts and vegetable extracts there are many antacids, laxatives, sedatives and tonics of merit: their *actual* values as regard their known action on the animal organism may be identical and described in the same terms, and yet their *relative* values differ materially as efficient poultry remedies.

To *assist* to a wise and economical selection is one of the main purposes of these papers.

Use and Abuse:—I do not anticipate that my recommendations or my objections to certain accepted remedial agents will be received without some protests. Even "doctors disagree" and, although I may be able to back my statements and strictures by expert opinions, I am aware that my possible critics can quote authorities equally eminent. If my advice or warning appeals not to your reason, common sense, or runs counter to your experience, it is not good advice or a needed warning for you. If, on the other hand, my words ring true before these judges, that are better guides than books, your commendation will mean more to me than the condemnation of all "experts."

Disinfectants:—Cleanliness and the periodical use of a good disinfectant are our best safeguards against disease and vermin. But the too common idea or conceit that the more we can pollute the air of our chicken houses with ill-smelling disinfectants, the more sanitary we make them, is an unfortunate and costly conclusion. A thorough cleaning up should *precede* the use of a disinfectant, and *after cleanliness* must become habitual for effective prevention. *Once free* from disease germs and parasites, we can depend upon whitewash and sunshine as our best and sweetest disinfectants if we are willing to lay on the one and let in the other.

Another common mistake is failure to recognize that there is a vital difference between a disinfectant and a deodorizer. A deodorizer does not kill the disease germs, but simply substitutes one odor for another, and not infrequently gives us a sense of false security.

Among products in general or occasional use as disinfectants may be mentioned carbolic acid, lime, sulphur, zinc, permanganate of potash, kerosene, benzine, naphtha, formaldehyde, turpentine and numerous petroleum and coal tar compounds sold under sundry trade names. All of these substances and products have their proper uses and distinctive values, and whereas without exception they are capable of destroying insect life when brought into direct contact with it, are not all true germicides, and some of them are far from being safe disinfecting agents for the poultryman because of their poisonous qualities and inflammable nature.

In preceding articles brief reference has been made to lime, sulphur and permanganate of potash as disinfectants, and we will now consider in this what the coal-tar products offer us of value. Bituminous coal subjected to dry distillation, besides the incondensible gases used for lighting and heating purposes and the charcoal remaining as coke, yields a dark, thick liquid known as

Coal or Gas Tar:—This prior to 1836 was considered only as waste and a refuse embarrassing to get rid of by gas and coke manufacturers. In that year, however, a chemist by the name of Runge gave the world a product from this waste material, which he named carbolic acid, and in no succeeding year have the wizards of commercial chemistry failed to give to the arts, industry and medicine new and wondrous products from this same source.

Indeed, what chemists have been able to isolate and develop from the ill-smelling, oily fluid known as coal tar is one of the Seven Wonders of a wonderful age. Perfume sweeter than the roses of Sharon, dyes "that in the colors of the rainbow live and play in the sunset clouds," flavors that rival those obtained from natural fruits and flowers and remedial agents that have proved blessings or curses, as they are used or abused. Not

only columns but pages would be required for me to even enumerate the varied, valuable and curious products that lay concealed and unsuspected in waste coal tar until science called them forth, but of them all none are of more every day value to poultrymen than the first born, named by the pioneer investigator carbolic acid.

It is very evident from the foregoing that the humble coal tar is not only an exceedingly complex mixture chemically, but has proved that it is far from a "waste product," for even after the "aromatic hydrocarbons" embracing the benzene series (not benzine, which is a petroleum product), napthaline and phenols have been isolated by distillation, the "pitch" remaining has given us roofing and paving material, lampblack, shoe blacking, printing inks, etc.

Carbolic acid is a phenol, hence is sometimes called "phenol": it is not, however, a true acid, but is more nearly related to the alcohols. As first obtained from the tar it is a reddish-brown oily liquid and consists of phenols, cresols and hydro-carbons in varying proportions. This is the commercial "impure or crude carbolic acid" and is the product I desire to recommend to poultrymen as equally efficient as a disinfectant as the pure carbolic acid, less dangerous in use and many times cheaper.

Pure carbolic acid is obtained by repeated distillations of the "crude" until deprived of all the cresol content, and pure cresol should contain no phenol or carbolic acid, but the commercial or crude forms of each have many constituents in common and serve equally well the same purpose as disinfectants and antiseptics. In fact, much of the commercial cresol is identical with crude carbolic acid.

The selling price of the crude carbolic acid varies greatly according to its guaranteed phenol content: the strength generally carried by retail druggists is from 20 to 25 per cent and the selling price about 25 cents a quart.

Pure carbolic acid in liquid form, applied undiluted to the skin, causes a sharp pain, followed by numbness and a whitening of the cuticle. In contact with the mucous membrane, its action is the same. Given internally or applied externally *in excess*, it is a most fatal, rapid acting poison.

The "crude" has the same qualities, though of course to a lesser degree, and hence is not a safe *internal* remedy and its use *on the fowl* undiluted or in strong solution is not without danger. Its most important function as a therapeutic and sanative agent is its destructive influence over the lower grades of organic life, both animal and vegetable.

Chlorine, bromine and permanganate of potash are more powerful than carbolic acid in disguising the odors of putrefaction, but the action of the acid is upon *the cause* and not *the effect*. Offensive animal matter in the presence of carbolic acid ceases to smell because it *ceases to putrify:* the organisms of decay are destroyed, whereas the former drugs must be continually present to suppress the fetid exhalations and the decomposition continues. Hence in so far as "prevention is better than a cure," carbolic acid and its combinations take first rank as disinfectants.

As crude carbolic acid and commercial cresol are only slightly soluble in water, it is essential that one should know available and economical solvents or vehicles for its dilution and use. One of these in general use is common coal oil or kerosene: one pint of crude carbolic dissolved in one gallon of kerosene and used as a spray is a most effective mixture for the elimination of the red mites, but it is too powerful a combination and too corrosive in its action to use *on your birds*, young or old, and even the strong fumes from the *recent* application to roosts and nests is far from beneficial. I do not consider kerosene a *dilutant*, but an *accelerator* used as a solvent for carbolic acid.

Although carbolic acid does not readily mix with water, by the addition of potash or resin soaps it will unite with water in all proportions, forming a milky emulsion.

Not necessarily "more uniform" in the "making," for it is by no means a difficult or complicated operation, but different lots of crude carbolic or cresol may and do vary greatly in strength and constituents, hence your finished home product will not always be a duplicate of the former "batch." But, after all, with a disinfectant *for external use only*, slight variations are no material handicap, and if you desire to make your own carbolic soap here's the how:

Procure a pound tin of concentrated lye, 3 quarts of raw linseed oil and 2 gallons of crude carbolic acid. Dissolve the dye in a small quantity of water: give it time to dissolve so as to use as little water as possible, and while you are waiting hunt up a five-gallon stone crock with a wide mouth and whittle out a stirring paddle. Pour the oil in the crock and very slowly add the lye solution, stirring constantly. Keep on stirring until you have a smooth liquid soap: then gradually add the acid, keeping your paddle on the move until the resulting liquid is a clear dark brown. This will mix in any proportion with water. Two or three tablespoonfuls to a gallon of water is about the strength for use with sprayer or brush for general disinfecting purposes. In disinfecting brooders, incubators and utensils that have been exposed to infection of any germ disease, twice the above quantity of "soap" should be used.

Carbolized Petrolatum:—Next to its importance as a disinfectant in liquid form, carbolic acid in the form of an ointment offers the poultryman the greatest utility. The official carbolic acid ointment of the drug store is open to two objections: it contains 5 per cent of the pure acid, and hence is most too strong for general poultry purposes and the cost prohibits its free use.

A five-pound tin of carbolized ointment is not an excessive



One of the Poultry Houses on Crede's Sanitary Poultry Yards, 670 Slade Ave., Elgin, Ill., where he raises his superior Silver Campines.

amount for the average poultryman to have on hand: you should be able to buy 5 lbs. of petrolatum (cosmoline) for half a dollar, for the lower grades, unbleached, is far better for your purpose than the so-called "refined." Liquefy it in a kettle over a gentle heat and add very gradually 5 liquid ounces of crude carbolic acid, stirring constantly. Remove from fire and continue stirring until cold and again semi-solid. Assuming that your crude acid did not exceed the grade known as 25 per cent, you can use this ointment freely on or about your fowls with no ill results and with great benefit. It should clean up the scaly-legs, kill off the depluming mite, rid the chick of head lice and, rubbed into vent fluff, put to rout the body lice of hen and cock. It is also of use in chickenpox to clean up the scabs and ulcers. And should you have a hen torn by the male, applied to the lacerated surface after the wound has been cleaned will prove a satisfactory healing salve. Aside from its own intrinsic value, this ointment offers a most desirable "base" for the application of other desired drugs in ointment form.

I frequently note lard recommended for a base for home-made salves. It is not good advice, for lard is by no means always free from disease germs, but even when sweet and sterile when first used, exposed to the air absorbs oxygen and becomes rancid. And rancid lard not only irritates the skin but may exercise injurious reactions on substances with which it is mixed. Petrolatum being a mineral grease instead of an animal fat, is free from this menace of rancidity, and when carbolized offers not only an ideal sanitary but also an antiseptic base for all ointments or salves in which there is no ingredient incompatible with carbolic acid.

If your carbolized petrolatum does not give entire satisfaction as an insecticide, if any form of parasite survives its contact, you can easily reinforce its potency as follows:

Free from all lumps and reduce to the finest powder one-half an ounce of flowers of sulphur and work it thoroughly into four ounces of your carbolic ointment.

You can call this your "sulpho-carbolate salve," and I am very sure you will find it superior in results to the highly extolled sulpho-carbolate of zinc as a dressing for ulcerated tissue and membrane, and far easier to keep "on hand" and apply.

EDITORIAL

WE LEAD OTHERS FOLLOW

65,000 A. P. J.'s for October, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the October, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of September, 1914.
(Seal) HENRY G. EISERT,
Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

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Look at the address on your wrapper. See that it is absolutely correct and notify us of any mistake, no matter how slight. Note the expiration date which appears thereon, as American Poultry Journal stops with the issue marked on your wrapper.

If you change your address give both your old and new address as well as your subscription number when notifying us of the change.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

The War in Europe.

AT the present writing, no one can safely predict the duration or the final outcome of the deplorable and catastrophic war in Europe. Never before, in our time, has the press of the world been so muzzled by military censorship. Such "news" as filters through the hands of the censors is several days to weeks old when it finally reaches us and has been so mutilated in the transmission that even those competent to read between the lines are simply guessing what the real truth of the situation may be.

When, in the first round of this world's greatest and bloodiest war, the great German fighting machine seemed to be smashing its way to victory, optimistic experts believed that Germany would welcome overtures for peace and that we might hope for a speedy termination of the horrible war. This hope was shattered by the announcement that England, France and Russia had signed a pact not to accept peace on any terms except by mutual consent of the Allies. On all sides this was accepted as meaning a fight to a finish and the inevitable prolongation of the war. Germany, while victorious, might well be believed to welcome peace even at a considerable sacrifice, but Germany fighting against all the great powers of the Old World and what must seem to be national annihilation may be expected to fight it out to the last ditch. The odds are terrific, yet the people of the Fatherland are not of a type that will yield while hope lives. That the war may last a year or even three years seems probable.

Military experts tell us that the supply of ammunition is practically sufficient for a long war, that though the guns become less effective after firing 100 rounds and useless after 400 rounds, there is, even with present unprecedented use, more likelihood of the supply of men giving out before the supply of arms and ammunition is exhausted. Already in all countries concerned men are being drawn into the army who are older and younger than are commonly considered available for military service and we are told that women are cheerfully taking their places in the conduct of the business of peaceful pursuits. W. R. Hearst has ably said editorially:

"Europe is committing hari-kari on the doorsteps of Asia. The civilized nations of Europe are destroying each other and the civilization which they have laboriously constructed through centuries.

"There is no rightful reason for internecine conflict among the defenders of Europe. They should present a united front to external dangers and exercise their combined power against the threat of Asiatic invasion.

"What good will it do England and France and Belgium to weaken Germany and Austria, and thereby weaken their first and chief protection against the invading hordes of Asia?

"What good will it do Germany and Austria to weaken France and Belgium and England, whose aid and whose utmost strength they may at any time need to support themselves in their mighty task of repelling Oriental assault?

"Why should Europe decimate its forces and destroy its own power, when at any time its whole force and its full power and its united effort may be needed in a supreme struggle to rescue the civilization of Europe from submersion in an overwhelming flood of barbarism?

"'Let us have peace,' and let this great American nation exercise its power and influence in behalf of humanity and human progress."

By all means 'let us have peace." Already throughout the Americas there is a mighty movement to help secure the peace of the World, but it must be peace secured by good example and gentle persuasion. Though the United States is the only great world power that has not been drawn into the great war, it cannot compel peace by force. In a sense the war in Europe is a family quarrel brought on by fear, militarism, commercial jealousy and hatred. It is well known what happens to the peacemaker who interferes forcibly in family troubles. We can urge our kindly offices and good will in hope of speedy settlement of the differences of the warring nations, but we should not permit ourselves to be drawn into the war or to take sides with any of the combatants. We can deeply sympathize with all of the nations involved in the terrible struggle, but we must remain a great united and neutral world power. We have no right to entertain or express partisan sentiments. All America should strive for the great and honorable peace of the whole world.

In these stirring times it is a great blessing to be just a plain citizen of the United States of America. We who are so blessed and live in this great land of peace and plenty can scarcely realize the titanic struggle that is going on on the other side of the world. After the first "nine days wonder" at the calamity which has overtaken European civilization, the big black headlines in the "war extras" of our newspapers lose somewhat of their power to thrill, excite and alarm us. We deplore the awful conflict of nations, but we are thankful to be citizens of the only really great neutral world power and we hope to continue at peace with the rest of the world. We all go about our business as if the war did not exist, but we should not permit ourselves to become apathetic. We owe an obligation to the rest of the civilized world to strive for the peace of all nations. We owe a great obligation to ourselves to make the most of the opportunity which the European calamity has thrust upon us.

Never before in the history of the

world has the United States had a greater opportunity for commercial supremacy and success. At the beginning of this great world war we were entering upon an era of business prosperity after several years of severe depression. We had made many national mistakes, which the war has made more clear to us; some of these have been rectified and all may be mended. We are again developing a much needed merchant marine and will again take our proper place on the high seas as a great maritime nation. South America is knocking at our door in hope of establishing commercial relations with us to replace those lost with warring Europe. The opportunity here opened seems unlimited and we should strive to make the most of it.

All of the warring nations have shown profound respect for the United States and are seeking our friendly offices, the flag of our country has been honored as never before. The world needs our friendship and it needs American products, particularly American foodstuffs. Of the nations at war Russia is probably the only one that can supply, of itself, the necessaries of life. So great and terrible a war brings commerce to a standstill for all the warring nations, and production practically ceases.

Whether peace comes soon or late all Europe must remain in an unstable and unsettled condition for a long time to come. It will take a long time to reestablish production and manufacture in the war zone. Meanwhile the people must live, must have food and other supplies. In our United States we have "bumper food crops" better than ever before; our manufacturers are waking up to their opportunities. We have the goods to sell, we will soon have the ships to transport our goods and the markets of the whole world are eager to buy. For a long time we have been depending on European countries for raw and manufactured materials that can be developed or produced in our own land. Everyone should strive to make the most of our great opportunity and to make the words "Produced in (or made in) the United States" the mark of superior quality throughout the world.

Strive for and welcome world peace. Work unitedly and whole heartedly, your level best—everyone at the work he can do best—for the Progress and Prosperity of the great United States of America.

"See America First." Spend your money in America. Devote yourself to America, the development, production and sale of American produce and manufactures. The slogan of this magazine should become that of our whole united people in the Western World:

"We Lead, Others Follow!"

———o———

A Word With You, Mr. Fancier.

FOR the past two and perhaps three seasons you have been a bit discouraged, have you not, Mr. Fancier, with what you have considered lean business years? You have blamed about everything from day-old-chicks to the poultry press for the slack business, but you have failed to put the blame where it belongs.

Some of the fault has been in general business depression all over the world, but that wasn't the whole trouble. Some was due to extravagant advertising claims that you failed to live up to, but that was only a small part of the trouble. Some of it was due to many other causes. But the chief fault has been in your own failure to keep pace with modern times and modern business methods. In these days of hot competition you can't sit complaisantly in your easy chair and look at your frame full of blue ribbons and wait for business to come to you. To get business nowadays, you must get out and hustle for it and, when you do make sales, you *must deliver the goods.*

The time has gone by when a man can successfully build up a trade in fancy poultry pleasing only himself if



SILVER KING I.

1st cock, Coliseum, Chicago, 1912; 1st old pen, Coliseum, Chicago, 1913; sire of ten prize-winning cockerels and pullets at Coliseum, Chicago, 1913. Owned and exhibited by Frank E. Hering, South Bend, Ind. Made from retouched photo.

by imagining that any old bird out of his blue-ribbon-blood-lines is worth any price that he pleases to ask for it. The buying public has a better idea of poultry values nowadays than it had a dozen years ago. They have come to expect better birds and to also count values by the work that the birds perform in their care. A lasting business, where customers come back each year for more, can be built up by satisfying customers, by delivering good goods and good values. There was a time in the poultry business when apparently "a new sucker was born every minute," and some few men seemed to do business with that understanding. Happily that time has been swallowed up in the past and it won't return.

There are good times coming, Mr. Fancier, but they will not be times for inflated values and inflated prices. Really first quality specimens of standard-bred stock and eggs for hatching that can be depended upon to produce quality chicks are going to be in good demand at good profit paying prices. Breeders that can supply quality birds guaranteed to win at certain shows can secure just as big prices as such winners are worth. But, for goodness sake, when you sell such a bird to win, and it does win, don't seek to steal the advertising value of that winning from the man who bought the bird by claiming it as bred in your yards,—the purchaser of that winner is entitled to all the advertising value that he paid for.

We look for big opportunities in export trade for all breeders of American Standard-bred poultry who work to get such business and who keep themselves before the public in attractive, well-worded, honest advertisements. American poultry is going to have the call among the fanciers of the world. It is a big field and a great big opportunity for developing it. Go after the trade as you would after any legitimate business. Try to satisfy every customer. Be honest with him and with yourself. Deliver the best value and the best quality you possibly can at the price. Endeavor to so please your customers that they will want to trade with you again and strive to keep them coming back for more of your stock, chicks and eggs, season after season. Make honest goods, honest values and honest dealing, the slogan of your business and live up to it. Handle your correspondence promptly, curteously, neatly and in as good taste as you know how. Remember in dealing with customers in foreign lands to endeavor to word your letters even more courteously than is customary in business letters in the States. It is customary and it is expected. "Molasses catches more flies than vinegar" and the commonly used brusk methods of letter writing adopted by some Americans in business don't go down well with foreign correspondents. They are used to what we may perhaps consider rather extravagant courtesy. Don't wait for business to come to you, go after the business!

We recently talked with an advertiser who complained of poor business. It developed that he had been fairly swamped by inquiries in response to his ad and that these inquiries when compared with his total expense for advertising actually cost him only one cent each. He had contented himself with answering them with a brief printed circular and let it go at that. There had been no attempt to send out "follow up letters" well-worded to bring in business. He had made sales and a small return above advertising expense, but was discouraged with the poor business. The poor business was all his own fault. All any ad can do is get inquiries. The advertiser must use these inquiries as a basis on which to go after business. This man got his big list of interested names at the small cost of one cent each, but he lacked sufficient business enterprise to work that list for all it was worth. He was afraid to spend the necessary amount to get a real business drawing letter into the hands of each inquirer and for that reason he lost out on what should have proved an unusually good business for the season. A more up-to-date man would have realized a good profit out of that list of inquiries even had the cost per name been twenty times as much. Maybe you can find a lesson there.

Get busy, Mr. Fancier, we believe that we have seen the end of the ebb tide in lean business and business depression; the flood tide of Prosperity is on its way in. Launch your business craft, spin your motor and do your utmost in the great race for success and better business in Standard-bred poultry that is now open to all American breeders. We know YOU can produce the goods, we will be glad to help you to find customers, and we are sure that you will do your level best to deliver honest quality at fair prices.

Making a Start with Poultry.

RIGHT now is a good time to make a start in poultry keeping. Breeders are offering surplus stock birds at attractive prices. It is a good time to buy early hatched pullets and yearling hens. In going about the country we have found quite a few poultry keepers who are reducing the size of their flocks because they feel timid about war time conditions and the increasing price of feeding grains. They are offering good sound birds at practically their meat value. It is a good time to buy.

We don't feel the least bit worried about the future of the poultry business. The timid poultry keeper's loss is pretty certain to be the buyer's gain. We don't advise everybody who has a back lot to buy a few hens and go into poultry keeping. The man or woman who has no fondness for and no particular interest in poultry should let the poultry business alone. But we do believe that, now, this fall, is a very good time for everybody who has a real interest in poultry to make room for and keep as many laying fowls as they can comfortably accommodate.

There are few families so situated that they cannot profitably keep a small flock for the purpose of supplying eggs and meat for the family table. It does not call for much room and the necessary outlay is small. Even with high prices for grain, the eggs cost less than those purchased at the store and are better. The small flock poultry keeper does not have to worry about the cost of poultry foods, he uses only a small quantity and he can utilize a good deal of waste from the family table. Chickens bought in the fall can be profitably kept and plumped for the family table at small cost as compared with other meats and we have developed a decided preference for home killed meat. The larger proportion of the meat that goes on to the editor's table is chicken or fowl. With round steak selling at 30 cents a pound and porterhouse steak at 75 cents a pound (and not very good at that) we are not taking much interest in beef. Lamb and pork are correspondingly high and we use them but seldom and only for variety's sake. Poultry in some form, fish and game in season, we find afford abundant variety and at small cost as compared with supplies bought at market prices. Poultry and eggs can be prepared for the table in so many different ways by a good cook that one does not tire of the food quickly.

If you like or think you like poultry keeping, by all means try a flock this fall of such size as you can conveniently and properly care for. You will find that it pays you in spite of the war prices. If you have no liking for fowls and don't care to see them about, then we advise you to let them alone.

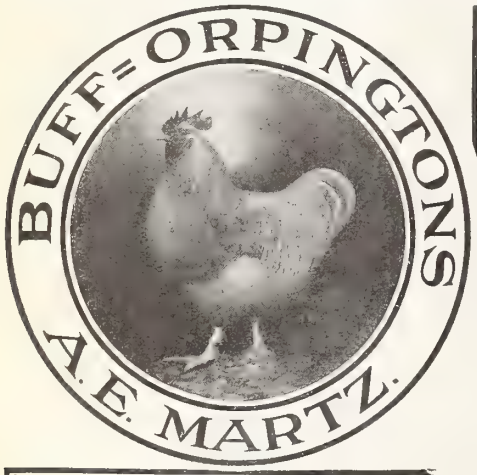
When you buy, get good large early pullets or well conditioned yearlings. It is a good time to buy now and the price is as low as it is likely to be for some time to come. Portable houses and runs are very convenient for small flocks and there are many good ones now offered at reasonable prices.

The small flock poultry keeper will not find it necessary or advisable to lay in a large stock of grain. It is better to take a chance on fluctuations in market prices than to risk the losses where storage conditions are not specially adapted to keeping grain in large quantities. The large flock poultry keeper, who has a good grain house, will find it a good plan to watch the market for favorable buying opportunities. There is an abundance of wheat and corn in the country and, even if the war is long continued, we don't look for prices of foodstuffs to become prohibitive or to continue long at a very high mark.

It behooves everybody, so situated and so dispositioned that he can do so to advantage, to keep the family larder well stocked and to plan to grow plenty of good poultry meat, eggs and garden truck at home during the coming season. Home grown foods can't be cornered by the trusts and such foods are at hand when needed and you know how good they are. The production of table supplies at home is considered so important nowadays that a big manufacturing plant near us, seeking to get the greatest efficiency from its employees, rents at practically cost to its married men a neat modern cottage, land enough for a garden and actually provides a poultry house if requested. Each year this concern encourages and helps to hold on its grounds an agricultural fair and poultry show where cash prizes are offered by the firm. There is no entry fee and all employees can compete. The exhibit of Standard-bred poultry is always a good one and is improving each season. The exhibits of vegetables and fruits grown on these small home lots are wonderfully fine and prove a practical demonstration of what can be done by anyone, who has the will and a small town lot, toward supplying good home grown food for the family table. Then there are exhibits of cooked foods, of home canned goods, of sewing and of fancy work. This firm has found that it pays to encourage its employees to help themselves. It encourages them to make their homes productive and it also provides them with opportunities for healthful play and amusement. Then also there is a library and reading room with opportunities for study and advancement. The single workers of both sexes are also well looked out for and there is a refectory where good food can be had at moderate cost.

This company finds that it pays to encourage poultry keeping among its employees. The workers find that poultry keeping pays them and their interest is very great. If it pays a great manufacturing concern to encourage its workers in the home production of poultry and eggs, it should prove a good thing also for other families everywhere that there is interest in poultry. These workers make it pay and get both pleasure and profit out of their poultry. You can do the same if you are sufficiently interested.

Don't let hard times worry you. Home poultry makes its very best showing in "hard times," that is just when the home poultry and eggs show up to advantage. Worry and fretting about hard times and future troubles never does any good. Most of the troubles never happen anyway. This is a great big country, a good land to live in, and it is now blessed with some of the biggest food crops ever known. We live in a land of plenty, a good land to make money in and a good land to spend money in. There is an abundance for everybody who will get out and hustle for it. There are no real necessaries that we must have from foreign lands. It is a good time to develop our own resources and to do business with our own big people. "Made in U.S.A."



CLEVELAND, OHIO

FOREST CITY SHOW

Fashion Plate Buff Orpingtons win three firsts, two seconds, display and minor places
—all our birds get a ribbon except two.

Six Fashion Plate Pullets laid 331 eggs in March and April, 1914—over 90% production—100% for 39 days—Townsend's Experimental Plant, Weedsport, N. Y.

BUY INTO THE STRAIN THAT WINS WHEN BRED TO LAY

2500 Birds in unbroken assortment. Get the **Fashion Plate Book FREE** and be convinced where to purchase. Eggs half price until December 1st.

A. E. MARTZ & SON Buff Orpington Specialists BOX A ARCADIA, IND.

will take on a new meaning from now on and "Buy in the U.S.A." is a mighty good motto to tie to.

If you are interested in poultry, get busy. You will never find any better opportunity. Success will come if you work hard for it. Don't "plunge," that is never wise. Go in sanely and sensibly with the determination to win.

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Opportunity Is Knocking.

FRIEND Everypoultryman: *Opportunity* is knocking at your door. See that you seize and hold her now and that you make the most of your individual opportunity.

The present international situation is bound to create big opportunities for bigger and better business for every wide awake American who gets busy now and stays on his job. The outlook was never before better for poultrymen. Forget the depression and thin business of the few years just past and put your whole mind into fattening your income out of the good times that are now surely coming. We look for a stable and steady increase in all legitimate business.

If war conditions in Europe are only half as bad as pictured in the daily newspapers, (and the chances are that they are decidedly worse than we are able to comprehend) then there soon will be a great depletion of poultry and poultry products on the other side of the Atlantic. Imports are bound to be a negligible quantity in the poultry business of this country for some time to come and there will be a big demand for poultry and eggs for export.

Whatever the outcome of the great conflict of nations there is going to be a big demand for American standard-bred poultry. The fancier who is alive to his opportunities, in these strenuous times, will put past troubles well behind him, forget them, and get out and hustle for his share of the better and bigger business that is to come. The man who can and will deliver the goods can bank on getting results. Already fanciers in South America are reaching out to the fanciers of the United States for more and better poultry. There will be found a big and almost immediate market. There are other foreign markets that are bound to develop and before we have fairly begun to develop our poultry business in this direction we will find that all Europe is seeking American thoroughbred poultry.

In the light of present day conditions this may seem unduly optimistic, but we believe that it is bound to come. It is true that war conditions have temporarily cut down the demand for market poultry and eggs for the supply of ocean-going steamships, but that condition is bound to be speedily remedied in the demand for supplies for ships of American registry and for other ships that are resuming their customary lines of communication. In any event, the demand for poultry and eggs has suffered no important setback and prices are holding a bit above the usual average for this season of the year.

It is also true that speculators, in and out of our exchanges, have boosted the prices of grain and other commodities. If the producer can have the benefit of the increase in price, it is just possible that we can well stand a somewhat increased price for grain. In some sections and for some time the producer has not had as good a return as he should have had for the staple grains. Poultry and egg prices have always, apparently, been the last among foodstuffs to get the benefit of increased prices. We believe the time is soon coming when poultry and eggs will net the producer better prices that are more consistent with the cost of production.

Such prices of the necessaries of life as have been boosted and inflated by speculators and greedy dealers are bound to be regulated and adjusted within a reasonable time. If we get busy and keep busy there is no occasion for worry about the high cost of living or the high cost of grain and supplies. Our Federal Government is turning its investigators loose in the arena and we can safely trust to our Uncle Samuel, if properly boosted, to secure some sane adjustment of prices whereby both producer and consumer will benefit and the greedy middlemen will be obliged to be satisfied with less and more wholesome profits. Either that or our good Uncle Sam is likely to take charge of foodstuff distribution and price regulation. The trend of the times is that way.

Get busy, Mr. Everypoultryman! Get right on to your job and stay there. Winter all the good sound vigorous laying and breeding stock that you can care for comfortably and well, and get out and hustle for business. Don't let any "hard war times" bogey scare you out of business. Don't sacrifice your big, husky early pullets just because money seems tight and grain prices are high. Winter all the profitable birds that you can feed well and properly care for. There are good times coming for you and there will be good prices and a good demand for first quality new laid eggs. There will be enough weak-kneed, timid individuals who will be frightened into disposing of, or thinning down, their flocks this fall and who will be sorry for it before spring comes again. Don't join the ranks of the timid ones. Better take advantage of the situation and buy up such good early pullets as are offered by them at attractive prices. The editor who writes this, is convinced that opportunity is now knocking at the door of every American poultryman and he is so sure of it that he intends to winter every promising bird he now has and can properly care for in addition to his editorial duties. We are not looking for any big boom in the poultry business or for extraordinary profits, but we are expecting considerable improvement in legitimate business conditions. Therefore we say again to you Mr. Everypoultryman:

Get busy! Keep your business up to full capacity. Keep your courage up. Boost more and better American poultry

RED SUSSEX **RHODE ISLAND REDS** GOLDEN CAMPINES

CARVER'S RED FARMS, First Big Win of the Season, at the Great Forest City Exposition, Cleveland, the Hagerstown of the Middle West, 3,500 birds. We won 10 firsts, 7 second prizes, every bird but one placed. Over 100 prizes the past 12 months in such shows as Chicago Coliseum, Madison Square Garden, Buffalo, Cleveland, Ohio, A. P. A. Show. Also reports from our customers winning in over 25 states. Get our down-to-rock-bottom war prices. They will open your eyes and save your pocketbooks.

A. A. CARVER, Specialty Breeder, Carver's Red Farm, L. Box 2, SEVILLE, O.



Crusader III, a Boston Winner

Regal Supremacy

At the New York State Fair, September 1st to 6th, 1914

For the ninth time Martin's Regal White Wyandottes prove themselves invincible. In the keenest kind of competition they won under Judge Chas. D. Cleveland:

COCKS, 1, 2, 3, 4	**HENS, 1, 2, 3**
COCKERELS, 1, 2, 3, 4, 5	**PULLETS, 1, 3, 4, 5**
PENS (YOUNG) 1, 3, 4	**PENS (OLD) 2, 3, 4**

National White Wyandotte Club Cup, Best Cock, Hen, Cockerel, Pullet and Pen.
Poultry Success Cup for Best Display.
Rancocas Cup for Best Ten Wyandottes, any variety,
$25.00 in Gold for Best Display.

Judges and Breeders agree that never had such a string of White Wyandottes been shown by any other breeder. In a string of 50 birds, 46 were under ribbons, showing the wonderful uniformity of type running through my flock. In nine years' showing at this Fair my birds have won 47 Blue Ribbons out of a possible 54. Why not make a start with the Regal Strain? No other strain combines utility and exhibition qualities to such a marked degree.

1000 MATURED COCKERELS AND PULLETS ready to go into the show room now.
1500 COCKS AND HENS to select show birds and breeding stock from.
FREE—20 page Illustrated Catalogue and Sale List.

JOHN S. MARTIN, Box 51, PORT DOVER, CANADA

for all you are worth and strive hard to get your full share in the good times that are as certain to come as the sun is to rise in the morning.

———o———

The Show Season.

THE 1914-15 poultry show season, already begun, promises well and is to last longer than usual. One of the biggest shows of the East, that at Madison Square Garden, New York, has dates for February 12th to 16th, 1915.

The fall fairs thus far have been well attended, the exhibits for the most part have been good and there is plenty of good live interest in Standard-bred poultry. It should prove an interesting and good show season from all viewpoints. You, friend Reader, should do your part to make it so. Plan to test the merit of your birds this season in competition with your fellow breeders. It is good for you, good for them and good for the business. Be sure to attend your local show and the nearest big show. You will find much of interest and something worth learning. Your personal attendance helps you and it helps the show. There is no better way to show your patriotism as an American citizen than by getting into close personal touch with your home poultry association and the nearest poultry shows which are boosting the industry in which you are intimately interested.

There is no better time than the present to boost home industries and to lend your personal encouragement to exhibitions of American Standard-bred poultry. Besides the good fellowship and good sportsmanship that makes the shows worth while, you will find opportunities for more and better business. The show is a good place to meet people and to make friends. Wherever you meet people and make friends, there you help to make better business.

Boost Standard-bred poultry. Boost the poultry shows. Do your level best to boost the great poultry industry in America.

DR. WOODS' NOTES AND COMMENT.

One of the hot air orators at the Chicago Convention of the American Poultry Association made a very effective gallery play that won much boisterous applause, stamping of feet and whistling calls, by everlasting slamming the critics of the association. Sweet music for his ears no doubt, but less of value than applause at other forms of vaudeville entertainment. Some folks can't stand even sincere and helpful criticism, they require feeding on titbits of sloppy flattery that appeals to ego and to vanity. But bullying and bellicose arguments seldom go far or win any great amount of respect. Of what good is praise that seeks gain for the one who praises or of flattery that is used in hope of favor or through fear? 'Tis said that no one ever told an Emperor the truth though he be known to be riding to a fall.

* * *

It is easy to criticise, perhaps, more easy some say than to profit by the experience of others. Yet sincere and honest criticism more often may come from a friend than from an enemy.

Constructive criticism, that points out an error and a way to remedy it, is often very helpful, though sometimes not gracefully accepted. The critic may be one's best friend since he thinks enough of one to give time to criticism, which is always a thankless job. While criticism may cause irritation of a thin skin, nevertheless it may do one good to take heed and profit by it. So let's not be over hasty in consigning the critics to eternal damnation, even though we may find playing to the gallery amusing. It might be better to welcome all criticism and try to profit by it, rather than to guess wrong so many more times than one guesses right. The man who makes the loudest noise with his mouth and the most hysterical gesticulation is not necessarily the man who best uses his brains. The clever magician proves to you that the "quickness of the hands deceives the eyes" and those who attend association meetings may find that popularly noisy oratory often deludes the voter.

* * *

Charles McAlister, of Seattle, says of Mrs. Woods' "Impressions of the Chicago Convention" in September A. P. J. that: "It is certainly a gem and will remain one of the classics of poultry literature of modern times. I have cut and pasted it into my scrap book, and in doing so could not resist the desire to express to you my appreciation." We liked it pretty well ourself when she handed us the copy to send to the printer. From comment received to date it evidently touched a responsive chord with many A. P. A. members.

* * *

If those who promote militarism and declare war were only obliged to take first place in the firing line at the front on the first call, then we might expect a long and great peace. It is a great pity that those who make war, and throw thousands of willing and obedient men into the jaws of death, always seem to suffer the least from the awful consequences. Dr. Crane says:

"War is a diversion; it distracts public attention from the workers' efforts to gain their rights. The war spirit is always reactionary. Many a war in history has been engineered by the rulers in order to divert the common people from demanding their rights. Peace is essential to progress. War means the triumph of the mossback."

* * *

Civilization has reached a sorry plight of hysterical nervous tension when nations, that have for generations led in peaceful arts and science, turn barbarians to rend and kill the very flower of their manhood and potential progress. Men and their mentality can be put to much better use than being made butchers' meat for sword and gun. Think of the power for thought and research in the arts and sciences that has been murdered since the war began, and strive for peace.

* * *

More than 560 years ago a great Oriental plague, known as the "black death," desolated the world. It came out of the East and swept rapidly through Europe and Britain. It is said that the loss of life in Europe alone numbered more than twenty-five million souls. Now in the twentieth-century, when we believed that a higher value had been placed upon human life and human endeavor and that through



Keeler's White Wyandottes

The World's Greatest Strain

Bargain prices on stock and eggs during June, July and August. 2,000 chicks growing on free alfalfa range. Send for 64-page art catalogue. Special sales list free (5 Red Stamps appreciated).

CHAS. V. KEELER

R. F. D. No. 11 WINAMAC, IND.

BLACK ORPINGTONS

THE BIG, BLOCKY KIND

A FINE LOT OF YOUNG AND OLD STOCK FOR SALE.

SYLVESTER THOS. McCABE 535 W. 4th Avenue COLUMBUS, OHIO



YOUNG'S Strain S. C. W. LEGHORNS

I Have No Other Breeds

They are the standard for all the Leghorns of all America, and the greatest layers of all domestic fowls. At the World's Famous and Premier Show of America, Madison Square Garden, New York, for the past thirteen consecutive years I have won best display and from three to five first prizes, every bird being bred and raised by me. Hundreds of yearling hens for sale from my best line bred laying stock, $2.00 up, and the grandest lot of cockerels I ever offered for sale. Mating list free.

D. W. YOUNG - - - MONROE, N. Y.

science we are beginning to get the upper hand of death-dealing disease, we find the most advanced civilized peoples of the Eastern world trying to destroy one another by throwing millions of men into the furnace of war, each nation praying for Divine help in its work of murder and depopulation. We can't reconcile our ideas of Divinity with prayers for victory in wholesale murder of brother men by fire and sword, but there is no blasphemy and should be much hope in prayers for Peace.

* * *

A gentleman we dined with during the Chicago convention said of the European war that his sympathies were very much perplexed, for he would like to see Germany, England, Belgium and France all victorious, and he could see no way that it could be brought about. We feel a good bit that way ourself, for we have friends in all the countries involved and would be glad to see peaceful relations established and some assurance that there will be no similar trouble in the future. We can't see any glory or honor in war and only a useless waste of courage and bravery. There is a heap more honor and glory in endeavoring to produce more and better food with which to feed the people. While we can't and don't want to get away from the news of the day, let's put our best efforts into producing more and better poultry and eggs. It is a good time to get busy with poultry.

* * *

A beef scrap manufacturer complains that comment and analyses we have published has injured the scrap business. If so, it is the manufacturers' own fault. We have no complaint to make about good, wholesome beef scrap for poultry feeding at a reasonable price, but we find such difficult to obtain. We believe that we have done much to help create the demand for good beef scrap. We still believe that good, sweet, wholesome beef scrap is one of the best obtainable meat foods for poultry of all ages. But, we don't believe in commending the sale of poisonous, stinking waste, that is positively dangerous to feed to poultry, and for which we are asked to pay 2½ to 3½ cents a pound. We have seen scrap fed that was so foul that it tainted the flavor of the eggs. Poultry growers generally, and large plant poultrymen in particular, would welcome knowledge of a constant source of supply of dependable, wholesome beef scrap that will run fairly uniform in quality. Everywhere we hear the complaint that good scrap is difficult to obtain. In fact, really good beef scrap is becoming so hard to get that a good many poultry keepers are turning to the best grades of fish scrap as a substitute.

A fish scrap manufacturer recently told us that he could sell many tons more scrap than he can now produce if he would take the chance of using poorer material, increase his product and put out cheaper and inferior goods. He said that he had built up his business on the production and delivery of only first quality goods and that he intends to hold his business by continuing to supply only first quality goods. He does not consider it good business to increase his output and cheapen his product for the sake of temporary increase in sales and profits. He prefers to keep right on doing business with satisfied customers.

If manufacturers of beef scrap would stop using unfit meat, stop using poisonous drugs and chemicals to preserve the bad meat, and stop filling up the scrap with ground hoof, wool, hair, bristles, chunks of wooden skewers, dirt, small stones, and even cotton seed waste, and would put out a clean wholesome scrap that will not injure or kill chicks or fowls, it would be a whole lot better for the beef scrap business. This isn't "knocking" it, it is friendly and constructive criticism. Look after the quality, Mr. Manufacturer, deliver good goods that are wholesome and possess full feeding values, and you'll have no complaint about bad business just because we try to tell our fellow poultrymen the truth.

* * *

First pullets' eggs on September 3d this year from chicks bought day-old the first week in April. Honors even between White Plymouth Rocks and Rhode Island Reds, laying at five months old, grown on free farm range and fed chiefly on hard grains. These pullets are part of a flock of fifty day-old chicks received from a large commercial hatchery on April 4th. Half were Reds and half White Rocks. They were started

BEAU BRUMMEL I



The greatest S. C. White Leghorn Sire in the Middle West. First prize pen cockerel, NewYork, 1911. First cock Northern Indiana, 1912. Prize old pen, Chicago, December, 1913. First old pen, Indianapolis, 1914.

BEAU BRUMMEL II



Son of Beau Brummel I
Prize Pen Cockerel,
Chicago, 1913

1000 Show Room Winners

IN PENS, TRIOS OR SINGLE BIRDS

SPECIALIST IN CONDITIONING

CAMPINES and LEGHORNS when shipped by us are ready for EXHIBITION

Unexcelled Breeding Stock at Moderate Prices

S.C.White Leghorns

The "Frost White" Strain

The latest winning strain.
A splendid laying strain.

Sweepstakes Champions, Indianapolis, Feb. 7, 1914

25 Leghorns entered;
24 ribbon winners.

Silver Campines

The "Green Sheen" Strain

Acknowledged by artists and judges to be the finest in Campine type and markings.

Sweepstakes Champions, Coliseum, Chicago, 1913

29 Campines entered;
25 ribbon winners.

THE WILLOWS POULTRY FARM

Frank E. Hering, Prop. Box 488, South Bend, Ind.

SILVER KING I



First prize cock, Coliseum, Chicago, 1912. First prize old pen, Coliseum, Chicago, 1913. Sire of 10 prize winning cockerels and pullets, Coliseum, Chicago, 1913.

SILVER KING II



Son of Silver King I
First Prize Cockerel, Coliseum
Show, Chicago, Dec. 12-17, 1913



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

OPENING BATTLE of 1914 Season Won

AT

New York State Fair

BY

Owen Farms Birds

12 out of a possible **24 FIRSTS** and **9 SECONDS** were placed on my

White Plymouth Rocks
White Orpingtons
White Wyandottes and
S. C. Rhode Island Reds

$100 Manning Cup for 10 BEST and MOST TYPICAL BIRDS of one Variety.

$100 Park & Pollard Cup for BEST 1914 YOUNGSTER.

$50 Cup for BEST 10 BIRDS in the AMERICAN CLASS.

Club Cup for BEST COLLECTION of WHITE PLYMOUTH ROCKS, and numerous SHAPE and COLOR SPECIALS went on OWEN FARM BIRDS.

A GRAND RECORD in the HOTTEST CLASSES ever brought together at a State Fair.
Note 1st, 2nd and 5th COCKEREL in a class of 342 S. C. R. I. Reds.
NO BUFF ORPINGTONS were shown by me at Syracuse as I had sold birds of this variety.
We told you in July and August ads we were READY. My SYRACUSE RECORD has PROVED it.

Owen Farms Readiness

has resulted in THOUSANDS of FIRST PRIZES being WON by customers all over the UNITED STATES and CANADA, and in this year of general shortage of early hatches our youngsters will make an even better record than in former years, as we have more JANUARY, FEBRUARY and EARLY MARCH CHICKS than ever. **Order early and enable us to put your birds in perfect condition for your show.**

WINTER SHOWS

You are already looking forward to winning your Winter Show and watching particularly promising youngsters as they develop. Your favorite cocks and hens are moulting and you are wondering if they will round to in time to be at their best to win for you. This is the time to take up with me the question of strengthening your weakest spots, as I will book your order upon receipt of a 25 per cent deposit, balance to come before shipment, and you will have the immense resources of Owen Farms behind you to make your victory certain. Have already booked a number of orders for Fall and Winter showing, and **REMEMBER, I will not sell to two customers to compete in same classes.**

The Utility Qualities

of our birds are unexcelled by any and famous the country over. Perfect housing and breeding conditions, combined with perfect health and vigor, have resulted in strong, husky, big boned birds that lay and pay.

Breeding Birds

It is now time for you to definitely plan your matings for next year. When you do decide what you are needing, write me and see if I cannot give you the exact bird or birds you must have to make your 1915 matings stronger than ever. **Owen Farms Prices Are Lower**, quality of individuals and line-bred producing qualities considered, than similar quality can be obtained elsewhere.

Finest Illustrated Catalogue Published—Yours for the Asking

Your Absolute Satisfaction Means My Permanent Success

OWEN FARMS

107 William St., Vineyard Haven, Mass.

MAURICE F. DELANO, Prop. FRANK H. DAVEY, Supt.

in a lamp-heated outdoor brooder, and at the end of three weeks were put in a galvanized iron cold brooder, having a feather hover, and housed in a 3x6 ft. colony coop. The only depletion of this flock has been from cockerels killed for table use. The chicks had no special care, just common farm conditions. The chick food was home ground and after weaning they had mostly cracked corn, oats and wheat. They had very little beef scrap, quite a little scalded fresh fish during the first six weeks, and after that chiefly the bugs and worms found on ample range, for a meat food supply. During the summer the supply of insect life was unusually plentiful, as we suffered by an invasion by army worms and these chicks, in common with about 300 younger birds on the same range, ate army worms so greedily that the entire flock was troubled for several days with decided looseness of the bowels. This adjusted itself by simply letting the chicks alone and allowing appetite to control the situation. The eggs from these five months old pullets are of good shape and color, though rather small. The pullets show good Standard quality and some of the cockerels are extra good.

* * *

Milk, sweet or sour, is good poultry food, provided it is good milk to start with and is properly fed. Sour milk is not a preventive or a "cure all" for infectious diarrhoeas. Free use of milk, always before the birds as a drink, commonly causes watery looseness of the bowels. Sour milk is more liable to do this than fresh sweet milk. Milk that has gone stale on the city milkman's hands is not good for chickens, neither is milk that sours "ropy" or milk from gargetty cows. We prefer to use sweet whole milk or sweet skim-milk, fresh from the separator, in a moist mash for either chicks or fowls and believe that it spends best when fed that way. Sour milk we prefer to make into curd cheese, by heating the sour milk to separate the curd from the whey. Squeeze the curd as dry as you can before feeding and use the watery whey in the pig slop. Curd cheese can be seasoned with salt and pepper and makes a good animal food ration for all young poultry. Don't believe all you read about the remedial value of sour milk, a great deal depends upon the milk itself and the conditions under which it is fed. The statements made about its use need a great deal of qualification and the benefits have been greatly exaggerated.

* * *

Housing time is at hand. Use a little chicken-sense when you begin to house the young stock. Don't crowd them. Don't shut them up in tight houses. See that they have fresh air in abundance at night when on the roost. Exercise a little patience in encouraging them to use the roosts. Oftentimes the man who cusses "fool chickens" is the bigger fool because he won't bother to look at the matter from the viewpoint of chicken habits.

* * *

When the pullets are brought in from open range, don't let the change in feeding be too abrupt. They ought to be well started on the winter laying ration by the time you house them. Be sure to supply them with an abundance of fresh green food and give them liberal yard room if you can. Range reared pullets if well cared for, at time of housing and thereafter, will respond

wonderfully. The man who has trouble in getting his pullets to lay and who has to fight colds and other sickness at fall housing time is not a good manager. Young stock is more susceptible to fall colds than adult stock, but good housing, plenty of roosting room and good feeding will usually prevent such trouble in spite of severe weather changes.

* * *

At present writing, September 10th, live fowls are selling at 25 cents a pound at the door; good sized chickens at the same price and rangy chickens at from 18 to 20 cents a pound, alive. Eggs are 40 cents a dozen. These prices are low as compared to meats and we look for prices to stiffen. Good fowls are rather scarce and so are big early hatched chickens. Rangy late chickens are rather more plentiful. Wheat is retailing at $2.30 per 100 pounds; corn, $2.16 per two-bushel bag; oats, 65 cents a bushel; cracked corn, $2.04 per 100 pounds. With a bountiful grain crop and little opportunity to export it, we hope for easier prices in feeding grains. The speculators make the prices and get the profits, the producers are not being benefited. When feeding grains drop to more normal prices will be a good time to buy in quantity. It will pay to keep in close touch with the market.

It doesn't pay to buy poor grain. It is poor business to trade with a dealer that handles poor grain, and particularly with one that sells poor grain at good grain prices. There are a good many such. We go a number of miles out of our way to buy grain in order to trade with a man who sells good goods at honest prices. When one buys wheat at present prices he should not get wheat salted with a mixture of other grains of poor and cheaper quality. Insist on good goods and on getting what you pay for. Your poultry business means too much to you for you to permit some unscrupulous dealer to ruin your flock with spoiled grain. Keep your eyes open when you buy and don't be afraid to demand the quality you are paying for.

* * *

Some of our friends among the breeders are much concerned about how the war may affect business relations with our good poultry friends in Canada. While in some doubt as to what may and may not be a breach of strict neutrality, we cannot see what possible difficulty could arise from the interchange of breeding stock and eggs for hatching between the breeders of the United States and Canada. We do not expect and we hope that there will not be any change in our business relations as regards thoroughbred poultry. While Canadians are loyally answering the call of the Mother Country and are going to war, we sincerely hope that the war will not come to Canada. We have sons and daughters of many nations on this great North American continent and we hope that all will always be good fellow Americans.

* * *

Some double headers among the big city poultry shows this season. Buffalo, N. Y., holds the "Greater Buffalo Show" November 23d to 28th, and the "International Show" January 11th to 16th, 1915. Oakland, Cal., holds its show November 24th to 29th, and San Francisco show comes December 8th to 13th. Chicago show has dates for December 12th to 16th and the Chicago Poultry Breeders' Association show comes January 14th to 20th, 1915.

MOE'S SELF LOCKING LEG BAND



Patented Feb. 10, 1903

A sealed band that requires no sealer. Locks simply by pushing it together and it can only be removed by destroying the band. Manufactured out of a bright nickel colored metal that will not rust or corrode. Every band has its own raised or embossed number.



12 Bands 15 Cents. Postage paid. Liberal discount on quantities.

MOE'S NEVER CLOG AND WASTE PROOF HOPPER



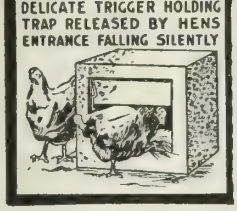
Patent Pending

Large in capacity, small in price. Does away with all trouble of feed clogging no matter how coarse. The gradual enlargement of the base will force the feed downward. Rat proof and weather proof when closed. A trial will convince you that it is a hopper of the greatest merit. Manufactured of heavy galvanized iron in three sizes:

No. 35—12 quart capacity		$ .75
" 36—18 "	"	1.00
" 37—36 "	"	1.50

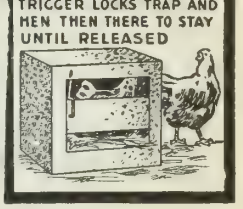


MOE'S NEVER FAIL TRAP NEST



Patent Pending

A solution of all trap nest troubles, for as the name implies it never fails. These traps are lice proof. But one bird can enter at a time. Fully sealed back and sides, but when the hen is trapped she gets plenty of air from above and beneath the trap. The trap is easily removed so that the nest can be used without same and as an ordinary nest. Does away with all trouble in setting up as they are set up and ready for use when shipped. Manufactured of heavy galvanized iron in two sizes:



No. 33—About one foot square, complete..... $ .75
No. 34—12 x 12 x 14½ in. for extra large birds, complete..... 1.50

MOE'S SANITARY POULTRY DRINKING FOUNTAIN



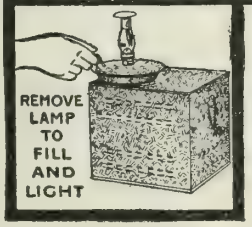
Patented July 11, 1911

Fills from the top. The most popular fountain on the market. The double wall keeps water cool in summer and retards freezing in winter. No valves to get out of order. As easily cleaned as an ordinary pail. The square drinking pan does away with all chances of spilling when hung up. Affords drinking accommodation for two birds at one time. Manufactured in three sizes:

No. 1—1 gallon capacity		$1.25
No. 2—2 "	"	1.75
No. 4—4 "	"	2.25



MOE'S HEATER FOR TOP FILL FOUNTAINS



Makes our top-fill fountains absolutely non-freezing no matter what the weather. Constructed with every precaution against danger of ignition. Simple and safe. So ventilated that the lamp will not blow out in the stormiest weather, but all the time supplying just sufficient heat to prevent the water from freezing. Manufactured of heavy galvanized iron with lamp complete in three sizes:

To fit our No. 1 fountains		$ .75
" " " " 2	"	.85
" " " " 4	"	1.00



If not at your dealers any of the above sent direct on receipt of price. These are only a few of the good things in Moe's line of useful and sanitary poultry supplies. Write for complete catalogue.

Otis & Moe Manufacturing Co.
2011 Otis Building **Chicago, Illinois, U. S. A.**

Secretary W. B. Atherton announces the big Boston show dates January 12th to 16th, and promises a bigger, better, busier show, with more special features than ever. It will be going some to make good that promise and "Billy" always does make good. Boston show is always a great good fellowship reunion of fanciers from all over the country.

* * *

Secretary Charles D. Cleveland is enthusiastic about the outlook for the Madison Square Garden, New York, show, that, owing to other engagement of the "Garden" will be held later than usual, and comes February 12th to 18th. Personally, these dates please us better than the old dates, which interfered with the Christmas and New Year's home holidays. We look for a big show and for big opportunities for fanciers to do business.

* * *

We always find interesting reading in the "Crested Fowl Breeders' Section," conducted by John A. Gough, in *American Fancier and Stock Keeper*. We note, also, that he frequently succeeds in making the crests bristle for some poultry editors. While not intending to be partisan, we frequently find more to amuse, entertain and instruct us in Gough's grist than in the meanderings of his opponents in controversy. We greatly enjoyed his discussion of "mules" in September 5th issue, and some day we hope he will discourse on the subject of those who serve as "little yellow dogs" for pay.

J. H. Drevenstedt insists that the Cornish fowl belong in the English class,

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Are the Greatest Achievement in Modern Barred Rock Breeding. They Are the Product of Over Thirty Years' Skill.



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Early Winning Show Birds

I now offer the finest early hatched exhibition birds I have ever produced—grand size and shape, fine heads, even clear blue color, and narrow clean cut vivid barring to the skin. They are matchless and ready to win prizes for you in any competition in the world. The prices are very reasonable.

My Imperial "Ringlet" Barred Rocks have demonstrated to all the world a distinctive superiority—they stand without a rival as the leading first prize winners at America's Imperial Show, Madison Square Garden, New York.

A Great Light on the Subject of New York Records

The Imperial "Ringlets," exhibited by me personally, have won at New York a grand total of **32 first prizes**—this is more than double the number ever won by any competitor—no other Barred Rock breeder in the world has ever won more than 13 first prizes in the entire history of the New York show—**mark the difference. Furthermore**—I am the only living Barred Rock breeder who has ever won all the regular and special prizes on pullets at a single New York Show, viz: **1st, 2d, 3d, 4th and 5th;** all the regular and special prizes on cockerels, viz: **1st, 2d, 3d, 4th and 5th** at one show; both Sweepstakes Champion Male and Sweepstakes Champion Female at one and the same show in Madison Square Garden.

These prizes mean something—they sweep away at one stroke all doubts and settle the question of the world's leadership.

(See my ad on back cover page for wonderful record at last winter's Madison Square Garden, 1913-14, Show. This achievement takes rank in history as the most wonderful ever recorded on Barred Rocks since the N. Y. Show was founded.)

If you want to win and breed winners you must have my Imperial "Ringlets"—the best is none too good for my customers. I will sell you grand exhibition birds for any show, and breeders of this richest first prize New York blood in elegant single birds, and trios and pens mated to produce winners.

Richly illustrated 70-page catalogue upon application—it is full of pictures of New York winners from life.

See my other ad on back cover page.

Address E. B. Thompson Lock Box 510, AMENIA, NEW YORK

regardless of any Oriental ancestry, and that the Campine is a Belgian breed, though it may have Dutch ancestors. He argues that they have as much right to such classification as the Wyandotte, with Asiatic and Dutch ancestry, has to a place in the American class. "Drev" is right, no doubt, but men in convention assembled will do just about as they please and not care a continental.

* * *

Henry P. Schwab, in "Chick Chats" gives us a lot of entertaining information concerning matrimony, single blessedness, eugenics and other matters sans chicken, but sometimes we do think that he rubs in just a little "too much mustard." In flitting about from plant to plant and from show to show there is a wealth of opportunity for getting together a big bunch of live all-poultry news—entertaining, stimulating and instructive. Why not "can" some of the condiment?

* * *

Frank L. Platt, in his August article on "The Barred Plymouth Rock—Present and Future," particularly in his comment on judging and the fleeting changes of fashion, appears to have upset a bee hive without the usual precaution of wearing a bee-veil and smoking up the hive first. Therefore, it is not strange that he gets some hot and pointed responses. We read the article in question, and, while there may be some doubt as to its wisdom and the manner of wording opinions, we find nothing in particular to get excited about. After all, it is largely the presentation of personal opinion, which is a privilege of Americans when they publicly father their own expression of same. It is just as well to know what Mr. Platt thinks about it and it may be a good plan to know what others think on the same subject. With so much intense and fine barring, relations seem to be getting a bit strained in Barred Rock alley. Why not arbitrate? We admire winners and like a good fighter, but we have a whole lot of respect for a good loser. What is and is to be interests us a whole lot, but we care mighty little about "what might have been."

* * *

"Are all poultry judges honest?" asks an "earnest reader." Shade of Diogenes, come out with your lantern! You might as well ask, "are all men honest?" Poultry judges are men, most of them, are they not? And a man can be A MAN if he does undertake a thankless job like judging poultry. We believe that all the poultry judges of our personal acquaintance, and that includes quite a number, all do their level best to place the awards where they rightly belong in their best judgment. It's a job we would never covet. A judge could not be dishonest long without getting found out; once found out he couldn't get another job. Under such conditions, even a man with a crooked disposition would try to run straight. We have waste-basketed this question a good many times; now we hope it will lie down and keep quiet. "Earnest Reader," forget it!

* * *

The poultry business has often been referred to as one where close attention to little details is essential to success. 'Tis true in a measure, but if you attend to essential details there are a lot of minor details that you can "let slide." Labor saving is very necessary to success and you can often save much labor by knowing just what you can afford to "let slide." It is not necessary to be always fussing with your flocks. A reasonable amount of "let alone treatment" is good for them and there are a whole lot of flocks that need it. We like always open front houses, because there are no ventilating doors, curtains and windows to fuss with. We like mechanical feeding devices because such machinery saves labor, insures good feeding and saves a lot of bother for the birds and for us. It is a good thing to have a keen eye for petty detail and it is also good to know what need not be done and to just what extent you can let things alone and get the best results. Cultivating hen-sense is a rather profitable pastime for a poultryman. We find frequent and constant interruptions hinder good work. Possibly that is the case with flocks that have to put up with a fussy and over-attentive attendant.

* * *

Frosty nights are here; better get all the houses into shape for winter. There will be plenty to do and much that must be done while the mild Indian summer weather lingers. Be sure to start the season with houses clean and roof leaks stopped. A supply of sand and fine gravel put under cover now will prove a great convenience and source of satisfaction during the coming winter and early spring. Get all in readiness for winter quarters.

S. C. WHITE LEGHORNS

W. L. Fern Strain has never been defeated in the show room. 50 fine utility hens for sale.
Eggs for hatching and day-old chicks. Write for catalogue.
W. L. FERN 682 Slade Ave. **ELGIN, ILL.**

Broken Cones and Crackers

Just the Feed Your Poultry Needs

The great secret of poultry feeding is "variety." It is the nature of fowls to search over a wide range for various foods, and where this is possible, poultrymen obtain the best results. In Broken Ice Cream Cones and crackers, poultrymen will find "just the thing" to make variety and add a pleasing taste to the fowls' food.
SEND FOR SAMPLES AND PRICES
JOSEPH F. HERRMANN & CO., 1318 Fisher Bldg., CHICAGO, ILL.

HAWKINS' BARRED ROCKS READY TO WIN

at the early shows. For 30 years they have produced the winners at **NEW YORK, BOSTON, CHICAGO,** and the **World's Greatest Shows.** They have won the Sweepstakes Championship prize at **Chicago** the past two seasons.
Winning Show Birds and High Class Breeders at honest prices. Big Catalogue of the Champions free.
A. C. HAWKINS **Lock Box 25** **LANCASTER, MASS.**

Single Comb White Leghorns

SUPREME QUALITY **UNSURPASSED VALUE**

If you desire them get in touch with us. We are about to break up our matings and will have several hundred Leghorn hens for sale. Our prices are right—our treatment exact. Correspondence solicited.

Spring Water Poultry Farm, Frank J. Eppele, Prop., R. F. D. No. 1 **Stockton, N. J.**

Wyckoff's S. C. W. Leghorns

Acknowledged everywhere the World's greatest laying strain. Unequalled in Standard qualities

2,000 head of breeding stock for sale, including yearling Hens and Cocks and hundreds of strong, vigorous, early-hatched **free farm range reared** Cockerels and Pullets. Place your order early, and do not be one of the hundreds that we are obliged to disappoint each season. Remember that we are the originators and for over 30 years specialty breeders of the justly celebrated "Wyckoff" Strain of S. C. White Leghorns, the most profitable strain of poultry in America today. Catalogue free.

C. H. Wyckoff & Son - Aurora, Cayuga Co., N. Y.

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Send for FREE 96-page book. Advice free. Terms reasonable. Highest references. Best results. Send sketch or model for FREE search. Recommended Patent Lawyer in the Banker's Register and special list of selected lawyers. Also in Martindale's Law Directory, Sharp & Alleman's Directory of Lawyers The Gast-Paul Directory of Lawyers, and Kime's International Law Directory.

ALL BUSINESS GIVEN PROMPT AND PROPER ATTENTION

Large List of Inventions Wanted, FREE.

A large list of strong recommendations furnished free.

Watson E. Coleman, Patent Lawyer, 622 F St., N. W., Washington, D. C.

Editor American Poultry Journal:

Dear Sir—At last one editor has come to his senses! We are to have a real poultry magazine, one without anchors or strings. One for the poultry reader as well as the breeder.

This free reading notice alone has done a great deal of harm, as the inexperienced take it as an endorsement by the paper publishing it. And what a lot of rot it is, and think of the valuable space it is given.

Unretouched photographs! Why not? Of course the majority of photographs would make a horrible looking picture of our pet or prized bird, as one must be acquainted with the demands, but there are enough poultry photographers and many more will be created when we all insist on the "real thing." It will be a boon to the painstaking photographer and a setback for the careless. Why say there are portrait professionals (?) who would be out of business in two weeks if it were not for the retouchers who really "make" the portrait salable.

And the public, the interested public, will be getting a fairer idea of what to expect. There will be less disappointment where birds are received from orders, as the "ideal" retouched pictures gives one the impression that we must expect to get what purports to be a likeness of the seller's birds.

I am sure that your efforts will be appreciated and that other magazines will fall in line, and in years to come you will be justly rewarded for making such a liberal move for better poultry. May you prosper. Sincerely yours,

Louis R. Murray,
21 Clark St., Ogdensburg, N. Y.

Cockerels **S. C. White Leghorns** Hens

CHICAGO WINNERS

Choice cockerels and yearling hens, bred in direct line from our Chicago Winners for sale at reasonable prices. Write quick.

Rogers & Muntz - - - 620 Douglas Ave.. Elgin, Ill.

DEMGAR'S S. C. WH. ORPINGTONS

Leading Winners at New York State Fair, 1914

Our birds win again at the largest and best fall show, against the most noted breeders. Cockerels, 1st and 2nd; Cock, 4th and 5th; Hen, 3rd; Pullet, 4th; Young Pen, 2nd, 3rd and 4th; Old Pen, 2nd and 4th; 2nd Display, etc. A large and fine lot of youngsters to sell, also some choice yearling Breeders. Write. Satisfaction assured.

MR. and MRS. P. A. DEMGAR, Props. **BROWN STATION, N. Y.**

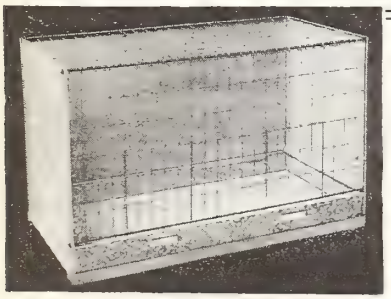
CUT CLOVER Better than alfalfa for winter green feed. Order early.

Breeding Ducks

Now is the best time to buy Pekins, White Indian Runners, American Fawn and Penciled English. Also White Wyandottes, Rhode Island Reds, White Plymouth Rocks, White Leghorns and White Guineas.

NIAGARA FARMS

W. R. Curtiss Co. **Ransomville, N. Y.**



Exhibition Coop

"Ship at Once"

is the way our daily orders read.

Have you put in your order for Show Coops and Trap Nests already? If not, do it at once. We make the best and can ship promptly. Send us your order now; also write for large free catalog. We make Show Coops, Trap Nests, Brood-, Setting- and Colony Coops, Fireless Brooders, Runways, Portable Henneries, Portable Fences, Fattening Crates, etc. Address

NIEMANN BROS. MFG. CO.

Box 677 **MT. OLIVE, ILL.**



Economy Trap Nest

WHO ROBS CONSUMER AND PRODUCER?

THE following comment and poem were clipped from the Sunday Chronicle, Manchester, England, August 23, 1914. Evidently we are not the only people who suffer from unscrupulous bandits who rob both consumer and producer and boost the cost of foodstuffs for their own profit. The distribution of food products and the fixing of food prices are sadly in need of Government regulation. Read what "Vexatus" has to say about conditions in England:

'We in these islands still happily contrive to keep our bodies and souls together. And there will be no lack of the food supplies which conduce to that end so long as our navy holds dominion of the sea. Unhappily, we have certain mean bodies without souls among us, that, putting profit before patriotism, have waxed fat by the holding back of products and the raising of prices.

"And unless the Government sternly protects us by forcible measures, I fear we are doomed again and again to be fleeced at the slightest opportunity. For the indignant and bewildered consumer finds himself quite unable to corner

The Culprit.

It isn't the innocent grocer
Who collars rich swag from your cup,
Who seizes each crisis
For raising his prices
And sending commodities up.
And though at the cost of your bacon,
And butter, and eggs you may groan,
The butterman's blameless.
This plundering shameless
Is done by some person unknown—
Some person or persons unknown.

It isn't the spotless importer,
It isn't the shippers who ship,
'Tis not the wholesaler,
Nor yet the retailer,
Who grips us with pitiless grip.
These poor stricken victims "lose money,"
And though the consumer may moan,
He learns to his wonder
That all the rich plunder
Is reaped by some person unknown -
Some person or persons unknown.

REPLIES TO MR. HEXT.

IN the August issue of American Poultry Journal, L. P. Hext, of Savannah, Ga., asks the opinions of other breeders as to the advisability of hatching chicks in June. Mr. Hext, wishing to try the experiment of raising June chicks hatched in the North, wrote to two breeders living in practically the same general locality, asking about June hatched chicks. One breeder replied to the effect that he believed June to be the natural hatching time and that he personally had raised some of the finest chicks he had ever owned that were hatched in June. The other breeder said emphatically that June hatched chicks could not be handled profitably. The following replies to Mr. Hext's inquiry have been received:

"My experience with late hatched chicks may prove of interest. In the summer of 1912 I received 200 day-old chicks from a New Jersey breeder and gave them the best of care. The chicks were S. C. W. Leghorns. Ten died the

second day after arrival, eleven on the third day, and twenty on the fourth day. The rest grew slowly through the latter part of June and July, as it was very warm. They did not come into full laying until the latter part of January, but they laid all through the following summer and gave me eggs when the early hatched pullets were in moult.

"This year I have raised two hundred June hatched chicks, the eggs being from my own breeding pens. These chicks have done much better, as they were hatched by hens. I believe if the egg supply is to be kept up during July, August and September in the South, it will be necessary to hatch at least half of the pullets either late in May or in June. J. L. Brown.

"Bagdad, Fla."

"My theory, backed up by experience, in regard to the question asked by Mr. Hext, is that a June hatched Leghorn will lay in Georgia in January if it has been provided with plenty of shade, green food and a variety of foods necessary for proper growth. They will make better layers than earlier chicks for the reason that any old hen will lay in the early spring, but it is a good hen that lays through the summer. Also, the percentage of pullets is usually greater in late hatched chicks.

"I usually keep up hatching until the second week in August, according to when the hens begin to moult. It is a good time to stop then.

"However, if Mr. Hext wants pullets to lay in November, he will have to have them hatched earlier than June. That is asking too much even of a Leghorn. Geo. H. Place.

"Omaha, Neb."

"My experience with pullets hatched July 1 and that were raised by the Cornell University method, and fed according to the Mountain Grove, Mo., first egg-laying contest, is as follows:

"I hatched 457 chicks, being a sixty-five per cent hatch of eggs set, some of the eggs being from hens that averaged 216 eggs each in their pullet year. I lost five chicks. On November 11 I received my first egg, and throughout the winter got a fifty per cent egg yield, and all that I have left of the flock are at it yet (Aug. 8), though some of them are beginning to moult.

"Flint, Mich. C. M. Dutcher."

We recently enjoyed a very pleasant visit from O. W. Aldrich, the senior member of the Aldrich Poultry Farm, Columbus, Ohio. Mr. Aldrich is a veteran of the Civil war and recently was elected national commander of the Union Veteran Legion, an organization to which no member is eligible unless he served two years or more in the Union army during the Civil war. For the past two years Mr. Aldrich has been judge-advocate general of this organization. For a great many years he has been very prominent in organizations of this character in the state of Ohio, and is one of the most prominent veterans of the Civil war. He has also been president of Society of the Sons of the Revolution and president of the Society of the War of 1812. During his visit to Chicago, he attended the meetings of the Supreme Council of the Scottish-Rite Masons. Mr. Aldrich is an enthusiastic fancier and firm believer in the future of Single Comb White Orpingtons. He informed us that their young stock this season is fully twenty-five per cent better than last year, and that it was their intention to keep on improving their strain until they are as perfect as it is possible to produce them.

IMPORTANT.

In answering advertisements, our subscribers should take particular pains to write their names and addresses plainly and make it plain just what way they desire their goods shipped. This will prevent delays, errors and misunderstandings. In all cases please mention American Poultry Journal.

INTERNATIONAL EGG LAYING CONTEST.

PERHAPS the most interesting development in the egg laying contest at Storrs for the month of August was the fact that an American pen of White Leghorns owned by Francis F. Lincoln of Mt. Carmel, Conn., passed the English White Wyandottes and is now leading them by a margin of 21 eggs. The performance of this Connecticut pen of Leghorns is particularly interesting on account of the fact that Barron's birds have indiscriminately led all of the American egg laying contests since their inception three years ago. As is likely to happen, of course, to any breeder he has in one or two cases suffered the loss of a bird at a critical moment and has thus been thrown out of the race. In general, however, his birds have performed so well that many poultry breeders have conceded that it was not worth while to enter a competition with the expectation of winning if Barron's birds were in the same competition. Hence the Agricultural College at Storrs is particularly pleased to record the fact that a pen of birds reared in its own state is able to produce as many eggs as birds that come to us from England. In other words it is not believed that the Englishman

LISK'S WHITE WYANDOTTES
THE KIND THAT WIN AND LAY

Birds of my line and breeding have won for years at the leading shows, including Boston, Chicago, Baltimore, Pittsburgh, Rochester, Buffalo, Indianapolis, etc., etc. They have the habit with Quality and will win for you. This year I have 700 youngsters that show superior merit and I can supply the trade with the desired quality to win. A few selected yearlings for sale. Write me your wants and let me tell you how well I can serve you. Choice Breeding birds in correctly mated trios and pens a specialty.

FRED C. LISK Box B ROMULUS, N. Y.

PALACE NEW YORK SHOW WINNING
Barred Plymouth Rocks

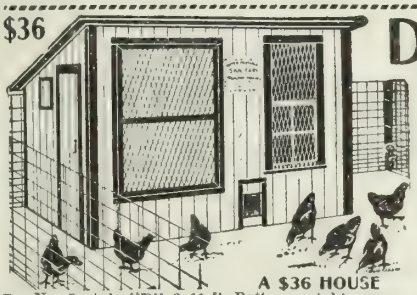
In this great class of 213 quality birds I win First Prize Cockerel and Color Male Special. First Prize Pullet and Color Female Special, and Second Prize Exhibition Pen on four entries made. For color and clean cut barring these birds were the class of the exhibit.

STOCK FOR SALE—EGGS FOR HATCHING

Have mated my winners and others of this same line from which I win. Sell eggs at $5.00 per setting of 13, $15.00 for 50. Satisfaction assured.

J. D. HARCOMBE -:- Grand View-on-Hudson, N. Y.

$36



A $36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5-ft. 3 perch complete hennery outfit for 30 hens. Price of complete house, $36. Painted 2 coats.

Don't Build you can buy better, cheaper, more complete, ready-made (factory made) hen houses, roosting and nesting features, coops, hoopers, etc., from Potter & Co. We buy No. 1 high grade cypress lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures
Portable - Sanitary - Inexpensive

Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a **Potter Portable** with complete outfit of roosts, dropboards, and nests. You save money too. A clean, sanitary henhouse means healthy hens and lots of eggs.

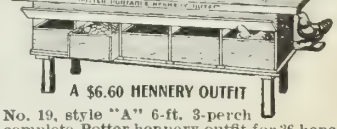
OUR BIG CATALOG

contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalog and circulars on the Potter System book.



Don't Kill or sell your laying hens.

Use the POTTER SYSTEM and pick out the layers from the loafers and diseased hens. Keep only healthy laying hens. The POTTER SYSTEM is a secret and the greatest discovery of the century in the poultry world on the subject of Egg Producing Hens Used by over 3,000 satisfied poultry keepers, who are saving dollars every year.



A $6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter hennery outfit for 36 hens. This same style made in 12 sizes.

Our new 100-page Potter System book, "DON'T KILL THE LAYING HEN", contains the secret and knowledge about laying and non-laying hens. It's revelation to poultry keepers, and you will learn how you can use the Potter System on your flock, keep less hens, get more eggs and make more money using it. Write today, sending two red stamps to cover postage on our large catalog and circular telling about Potter Poultry Products made for Particular Poultry People. If you are particular and want to make more money on your flock, you will write us today.

T. F. POTTER & CO.

Box E-21 Downers Grove, Ill., U. S. A.

MIAMI POULTRY YARDS

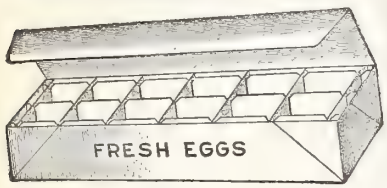
will sell cockerels and pullets from seven leading varieties during the rest of the season.

JOSEPH L. HESTON, Mgr. TRENTON, OHIO

S. C. White Leghorns Exclusively

D. W. Young's Strain, the finest in the world. 2,000 breeders on free farm range, occupying four fields. 1,000 yearling hens for sale at $1 each in lots of 20 or more. Fine breeding cocks and cockerels for sale. **My book, "Profits in Poultry Keeping Solved,"** price $1.00, given free with all $10 orders. Circular free.

EDGAR BRIGGS Box 144 PLEASANT VALLEY, N. Y.



One Dozen Egg Boxes

20 Different Grades

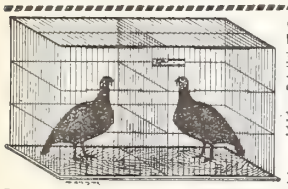
If you are interested, write to the manufacturers and pioneers of the folding paper egg box for catalog FREE

THE A. O. CRAWFORD COMPANY, INC.
Established 1885 South Weymouth, Mass

Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, half price now. Write for mating list.

Harry Cass -:- Buffalo Hart, Illinois



SENT BY PARCEL POST

Let us show you how we can send you these wonderful coops by **Parcel Post, Delivered** to your home for less money than you can purchase coops of inferior quality in your city.

We also make a specialty of benching shows on a rental or we will sell you the entire outfit. In any event get our prices and terms before placing your order. We can please you and save you money. Write for catalog.

KEIPPER COOPING COMPANY
1405 FIRST STREET MILWAUKEE, WIS.

PARMENTER'S
Single Comb Wh. Leghorns
BAGK HOME AGAIN

You remember my GREAT SENSATIONAL WIN at CHICAGO COLISEUM SHOW, DEC., 1913, which included Five Blues, Four Specials and Cup for Display. These birds and many of their offspring are in my yards. Inquiries cheerfully answered. Get in touch with me early.

Robt. D. Parmenter - Box H, Knoxville, Illinois

Silver Campines
AMERICAN BEAUTY STRAIN

I now have cockerels and pullets in prime condition for showing. They have that rich green sheen and bright, clean cut ringlet barring that everyone is trying to produce. My birds are the thoroughly cultivated product of Crystal Palace winners and won at leading shows last season. This season's crop of chicks is a wonderful advance over last season's, and will be sold at the following prices: Choice Breeders, $3 each; Extra High Class Breeders, $5 each; Exhibition Birds, $10 and $15 each. Circular free.

CHAS. A. SIMMONDS, Camp Point, Ill.

Felch Offers

The product of his breeding pens of 1914 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts

has any corner on the matter of producing hens that will lay eggs. There are just as good breeders in the state who need only to exercise perhaps a little additional care in the matter of selection, feeding, and breeding, in order to be able to successfully compete with birds from abroad.

A good deal has been said, of course, about the matter of egg type, and while egg type can perhaps be identified by the ultra expert breeder, the average poultryman will undoubtedly find it necessary to connect up the trapnest with his breeders in order to know the performance of his birds.

Mr. Barron does not believe in giving up until the last day of the contest. When it was said to him on his recent visit to the College that these Connecticut Leghorns would in all probability pass his Wyandottes, he said that this fact alone did not disturb him; that if these Leghorns did not succeed in getting more than 50 eggs ahead during September, he would win during the month of October.

The prize honors for the month of August were as follows: The blue ribbon or first went to Tom Barron of England whose Leghorns produced 238 eggs. The second prize was also won by White Leghorns owned by Bonnie Brook Poultry Farm, Saratoga, N. Y., with a yield of 232 eggs, while Francis F. Lincoln of Mt. Carmel, Conn., won third with his Leghorns that yielded 223 eggs for the month.

The ten best individual scores to date are as follows:

Pen.	Eggs.
16 Conn. White Wyandotte.....	217
40 Experimental White Leghorn..	217
14 English White Wyandotte.....	211
20 Mass. Buff Wyandotte.....	203
53 Conn. White Leghorn.....	198
53 Conn. White Leghorn.....	198
16 Conn. White Wyandotte.....	196
17 R. I. White Wyandotte.....	196
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It is interesting to note in this connection that the two leading individuals represent two very different breeds, namely, Leghorns and Wyandottes which are tied for individual honors at this the end of the tenth month of the contest. Neither of these individuals can hope to equal the record of 282 eggs made last year, thus establishing a record for American egg laying contests. Both of these individuals are, however, 13 eggs ahead of the best individual record in the first contest held at Storrs, which went to a Rhode Island Red hen from Kentucky with a yield of 254 eggs.

In going over the feed record, it is interesting to note the consumption of grain by some of the pens. The

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Experimental Pen of Leghorns that has had no beef scrap since the contest opened has consumed the following amounts of feed during the first six months of the contest:

Mash,	125 lbs. at $2.00	$2.50
Grain,	275 lbs. at 1.75	4.81
Milk,	284 lbs. at .50	1.42
		$8.73

This pen of birds during this same period laid 79¾ doz. eggs which at an average price of 30c per dozen are worth $23.93, thus it will be seen that there is considerable margin over cost of feed and egg yield when birds produce at this rate. To be sure these figures do not include the grit, shell, charcoal and mangel beets.

The management of the contest is receiving inquiries from time to time from breeders who want to buy cockerels from pedigreed stock. The time is undoubtedly near at hand when the careful breeder will want to know how many eggs have been laid by the mother of the cockerel he buys to head his breeding pen. In improving one's stock some investigators have maintained that selection for vigor and vitality was of primary importance. On the other hand, the very fact that any hen can lay 200 eggs or more in the course of twelve months is prima facie evidence of constitutional vigor.

All of the hens in the laying contest are being given about as much feed now as they received during the heaviest laying. The molting season is at hand and it is deemed advisable to feed birds well in order that they may grow new feathers without impairing their strength. It is believed that pullets just about to come into laying should, of course, be well fed at this season of the year. Although the days and nights are cool the birds in the competition are being watered twice daily and an abundant supply of green food is being furnished, in order that these birds may be kept in condition until the end.

The ten leading pens to date are as follows:

Storrs Experiment Station, Pen 42 (Not in competition), White Leghorns, 1,860.

Francis F. Lincoln, Mt. Carmel, Conn., White Leghorns, 1,838.

Tom Barron, Catforth, England, White Wyandottes, 1,817.

Tom Barron, Catforth, England, White Leghorns, 1,749.

Merrythought Farm, Columbia, Conn., White Wyandottes, 1,656.

Neale Bros., Apponaug, R. I., White Wyandottes, 1,648.

P. G. Platt, Wallingford, Pa., White Leghorns, 1,571.

A. B. Brundage, Danbury, Conn., S. C. Rhode Island Reds, 1,563.

Bonnie Brook Poultry Farm, Saratoga, N. Y., White Leghorns, 1,550.

Cecil Guernsey, East Cobleskill, N. Y., White Leghorns, 1,537.

Marwood Poultry Farm, Butler, Pa., White Leghorns, 1,529.

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Small Open-Front House Dimensions.

Q. What size Woods' open-front house would you recommend for 15 White Leghorn breeders?

Corunna, Mich. D. S.

A. Eight feet wide by 12 feet deep. Make the high-studded rear part 8x8 ft., 4½ ft. high at back and 7½ ft. high at peak; the top 2½ ft. of this will be the "monitor" and contain the windows. The low-studded front part of house should be 8x4 ft., 5 ft. high at rear and 4 ft. high at front. The front should be boarded up one foot from bottom and the remaining part, 8 feet wide by 3 feet high, should be open and covered only with ¼-inch mesh wire netting. It will give comfortable quarters for from 15 to 20 birds.

Wants Foxes.

Q. I read your account of the destructiveness of foxes in the South Shore poultry district. I would like to buy live foxes and will pay more for them than the pelts will bring, young or old, if they are not crippled. The best way to catch them is in a common rabbit box-trap. A. S. Kirkpatrick.

Clarksburg, W. Va.

A. We have a lot of trouble with foxes stealing chickens and fowls, but have had no luck trapping them, as they prove too wary. It is not always easy to get a shot at them, for, although bold enough when one has no gun, they keep out of range when a gun is in hand. We print this correspondent's address with his letter and hope that some of the South Shore poultrymen who suffer from fox raids will be able to catch and market most of the pestiferous foxes. One neighbor lost 30 half grown chickens in one afternoon and shot three foxes the same day. Another has lost many more chickens and shot only one fox. A nearby fox den was found that contained partly eaten ducks, chickens, guineas and turkeys and a large number of fowl buried nearby at the edge of a cranberry bog. Plymouth County poultrymen would be glad to have all the Massachusetts foxes emigrate to West Virginia.

Laying Mash for Ducks.

Q. (1) Please give a laying mash for ducks. My Indian Runners have free range, but do not lay many eggs.

A. (1) Wheat bran, 1 bushel.
Corn meal, 1 bushel.
Beef scraps, 10 pounds.
Low grade flour, 1½ pecks.
Boiled vegetables, 1 peck.
Cut green rye or clover; or chopped cabbage; or scalded cut clover or alfalfa, 1½ pecks.
Fine grit or sand, 3 pounds.

Mix all with cold water and feed night and morning. At noon feed a rather scanty allowance of cracked corn, oats and wheat. Keep grit, oyster shells and water always before them. Keep your ducks confined in small yard and house until about 10:30 each morning and you will be apt to get more eggs. On free range they may lay eggs anywhere if allowed liberty early in morning.

Q. (2) How about feeding wheat to ducks in place of corn?

A. (2) Wheat and oats will answer very well for the noon ration, with now and then a feeding of corn. Would not cut out the corn meal in mash.

Q. (3) Is "digester tankage" good animal food for ducks and poultry?

A. (3) No. Tankage is only fit for fertilizer purposes.

Q. (4) Do you consider cooked sweet potatoes good for vegetable food?

Darlington, Okla. W. L.

A. (4) If not spoiled and if obtainable cheap enough they will serve very well, but should not be fed too freely, as they are liable to prove very fattening.

Market Egg Cartons and Cases.

Q. Where can I get the standard egg cases of white wood, also fillers of strawboard and flat cardboards to go between layers, also excelsior for packing? Where can I get cartons for eggs to be used in regular standard cases?

Illinois. Subscriber.

A. In every large city and in nearly every big town you will find box manufacturers and creamery supply houses furnishing these goods. You can get cases, fillers, flats and excelsior from the A. H. Barber Creamery Supply Co., 223 West South Water street, Chicago. Cartons that pack three to the layer, on each side of standard cases, can be had of W. A. Schurmann & Co., East Illinois street, Chicago. Supply dealers everywhere should be able to furnish these goods.

Ducks Have Indigestion.

Q. What is the matter with my Indian Runner ducklings? They get weak in the legs and stagger around as if drunk and in a few days die. I feed them a moist mash in morning and wheat at noon and night. The mash is two parts bran, one part shorts and sometimes a little corn meal. They

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have free range, but no access to water except for drinking. P. J. E.
Kalispell, Mont.

A. Indigestion is probably the trouble, partly due to too free graining, too little green food, lack of sharp sand grit, and failure to supply drinking water deep enough to permit them to get their heads into the water above their eyes. There may have been lack of sufficient animal food and it is probable that the wheat has been too freely fed. Heavy graining with wheat will quickly stall either chickens or ducks. Cut down the ration, allow some animal food in mash. Feed only twice a day and see that they get an abundance of green food.

Good Work with Hen and Chicks.

Editor A. P. J.—

Early in May this year I bought a White Orpington hen and 12 three-day-old chicks for $3. The hen is a daughter of a cock bird that was hatched from a $30 sitting of eggs.

I live in a city and have only a little space in which to allow them to run, although I have a good garden and grow plenty of green food for them and occasionally let them out in it to catch bugs. I now have six pullets and six cockerels. At three months my pullets averaged 3 pounds each and my cockerels 3.7 pounds each; my two heaviest pullets weighed 3 pounds 2 ounces each and my heaviest cockerel 4 pounds.

Since two months old they have had a dry mash before them all the time, based on the Cornell formula and have had grain three times a day, except when they have buttermilk at noon fed with dry bread. I now feed them mixed grain consisting of 2 parts wheat, 2 parts cracked corn and one part whole oats. They also have charcoal and shell before them at all times. Since weaning the chicks the hen has laid three dozen eggs, but she has been broody a good deal.

I would like to read of similar experiences in your paper and would like to have you comment on my experience.
Grand Rapids, Mich. Glen E. Clark.

(The above letter was dated August 22. It clearly shows that it pays a city dweller, interested in poultry, to buy a brood hen and chicks. This reader did exceptionally good work. Everybody will not be able to raise 100 per cent of the chicks bought and to have them turn out half pullets and half cockerels. It was not only good work but good luck. But everybody who likes poultry can find pleasure and profit in growing a few chicks in the back yard, or on the roof if need be, and in keeping a few fowls to furnish eggs for the table. It is interesting work and it is well worth while. There is a lot of satisfaction in home-produced eggs and chickens. There are a host of poultry keepers that live in towns and cities and we will welcome reports of experience from poultry keepers everywhere.—Editor Questions and Answers Department.)

Eggs Without Shells.

Q. (1) I have a small flock of Black Minorcas, very handsome birds and fine layers, but have been troubled this summer with their laying shell-less eggs and then eating them. The trouble is also found in the pens of Reds and Rocks, but to a less degree.

We provide plenty of shell, grit and charcoal and green food, but they have only small runs. It has been suggested that overfeeding might cause the soft shelled eggs. One hen we isolated and she laid a soft shelled egg the first day, then for six days laid as large and fine an egg with good shell as one could ask; so to kill such a hen does not seem just right, does it?

A. (1) We would not kill such hens. The fault is probably in the food, the condition of the runs, or in the manner of feeding. Grain affected with smut would cause such trouble. Small foul runs might in warm wet weather produce fungoid growths that would contaminate food and result in shell-less eggs and other disturbance of egg organs. Careless handling of the hens when removing them from the nests might induce the trouble. Spoiled grain is very liable to cause abortion and that is about what shell-less eggs and soft shelled eggs amount to. Find the cause and remove it. Feed an abundance of fresh greens, particularly clover or alfalfa.

Q. (2) Are Minorcas strong enough to stand open-front houses in this climate, where winter temperature falls to 30 degrees below zero? I was not at home myself last winter, but those in charge here said that these birds particularly suffered from frozen combs and would have died (I was told) if they had not been removed to the house cellar.

It was in the daytime after they had left the roosts that the combs were frozen. I have a hen house well ventilated and as dry as it can be made; with screened front and burlap drops, kept down mostly in winter to keep the snow out, and as the snow covers the upper windows the house is dark? Could that have any effect? I believe in the theory of open-front houses and know of other flocks of Minorcas that survived last winter with little or no trouble from freezing and in houses as open as ours.

Pippin Hills, N. S. R. M.

A. Two Minorca breeders have told us that they considered Minorcas too

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Older Stock at Bargain Prices

Due to the fact that I must make ready for this younger stock, it will be necessary to dispose of a number of hens and cocks on the breaking up of my breeding pens the first of June. These, of course, must go at attractive prices; and here is an opportunity to get some foundation stock, the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000 acre Elmendorf Farm. An extra fine lot of young Duroc-Jersey pigs for sale.

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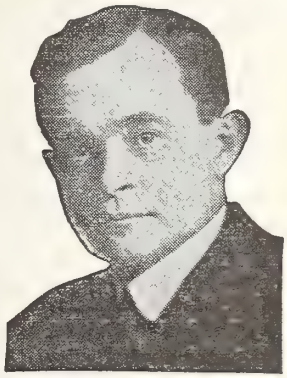
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tender to stand the seashore climate in New England and farther north. We believe that the difficulty is more in condition and care than with the breed. Several years ago a Maine Minorca breeder had cockerels roosting out in the trees in an orchard in December and some of those birds were in sufficiently fine condition to be sent to the Boston Show, where they made a good winning. Both Minorcas and Leghorns were successfully wintered last winter in open-front houses by men we know and outdoor temperatures of as low as 20 to 30 below reported. It was about as cold a winter as New Englanders have experienced in a good many years. We believe the trouble with your birds was the result of poor care on the part of the caretaker. The birds must have been allowed to get out of condition. In a poultry house, in deep snow time, with a burlap curtain closed tightly and the windows snowed under, it was too dark in that house for the birds to feed properly or take exercise. The air was probably foul and damp from lack of ventilation. The birds must have been miserable from hunger, and the chilling cold of darkness combined with dampness. That other flocks had little trouble in similar houses, presumably well managed, should prove to you that your flock did not receive the right sort of care.

Sex in Guineas.

Q. How can one tell the males from the females in Guinea Fowl?

Elkton, Md. J. C.

A. Chiefly by the call. The male has little to say and his cry is a harsh and nervous clicking. The female has a peculiar and persistent call which sounds as if she were saying: "buck-wheat," "pot-rack," "come-back," or "good-luck," according to your fancy. The cry is repeated again and again and they particularly like to whoop it up at roosting time and on moonlight nights. The male is rather more heavy in comb and wattles than the female and he shows his sex in his attentiveness to his noisier mates. The cry is the easiest means of discovering sex. Many poultry judges dislike to handle Guineas in the show room because they find it so difficult to distinguish sex.

"Pip."

Q. I would like some information in regard to the 'pip.'' Have a flock of several hundred S. C. White Leghorns, hatched in June. When they were two weeks old they had their first attack of pip. I removed the "pip" at that time and they have been growing nicely since then.

They now have the pip a second time and so have the chickens of my neighbors a mile away. I was advised the first time that this trouble was caused by the nostrils being stopped up, but this is not the case now, I am sure. The first time the chicks died with nothing in their crops, but this time they die with their crops full. They are now housed in open-front colony coops (about one-third of the front open) and have the range of a 40-acre farm.

I am feeding the following: Mash: chop, 3 parts; middlings, 2 parts; gluten, 1 part; bran, 1 part; heneta grits and beef, 1 part; scratch feed: cracked corn, 1 part; wheat, 2 parts; barley, 1 part; hulled oats, 1 part.

Have also fed at times alfalfa meal, which I have doubts about. Both cases of pip were preceded by a few days of

wet weather (the only ones we have had). My neighbor's rations are not the same as mine. Will you kindly advise what you think caused the trouble; the nostrils stopped up by a cold, or was it the feed? Is it contagious and how can I prevent it in the future?

Elvaton, Md. J. P.

A. The term "pip" is very commonly used to describe a symptom that may be associated with any feverish condition and with serious diseases of the respiratory organs. The skin of the mouth becomes hard and dry and a horny "pip" or scale forms on the end of the tongue. Apparently the symptom may result from different causes. Some cases are not in the least serious. In others the symptom occurs in dangerous diseases which may prove fatal. It may accompany simple colds and obstruction of the nostrils and is believed to be due to mouth breathing and failure of the mucus-secreting glands to function properly. It may accompany feverish condition due to disorders of the digestive organs. It may sometimes be a simple inflammation of the mouth caused by irritating dust or vapor. Some writers believe that it may be of specific origin, but no one has yet proved it.

The hard scale or "pip" should never be removed by force, as such rough treatment may be followed by serious and even fatal results. Free application to the mouth of a solution of 15 grains of boric acid in an ounce of water is frequently helpful and usually after a few applications the "pip" will come away easily. Always use gentle measures in trying to remove the scale.

It is probable that your birds have colds. You may have them too crowded in the colony coops. See that they have abundant roosting room. Be sure that they do not have to breathe the fumes of strong disinfectants or the dust of lime. Look carefully into their condition and into the quality of the food supplied. Seek the cause and remove it. The boric acid solution is harmless and may be used freely for cleansing the mouth and nostrils. "Pip" may accompany contagious disease, but we doubt if "pip" itself is contagious.

Choosing a Location in Northwest.

Q. Which in your opinion would be the best place to locate an egg farm of the two following:

Place A. Cranbrook, British Columbia, temperature chart enclosed. Rainfall average about 18 inches a year, including about 3 ft. of snow. Elevation 3,000 ft. Wheat sells for $1.50 per 100 pounds and oats for less.

Place B. Victoria, Vancouver Island, temperature chart enclosed. Elevation about 200 ft. Wheat of best quality, $1.75 to $2.50 per 100 pounds, and oats about $2 per 100 pounds.

Prices of eggs average about the same in both places. Also, what would be the best kind of fowl to keep for eggs in both locations?

Winnipeg. C. W. J.

A. We are not sufficiently familiar with either location to judge as to its desirability, neither do we know the condition of the poultry and eggs market. While the first cost of grain seems



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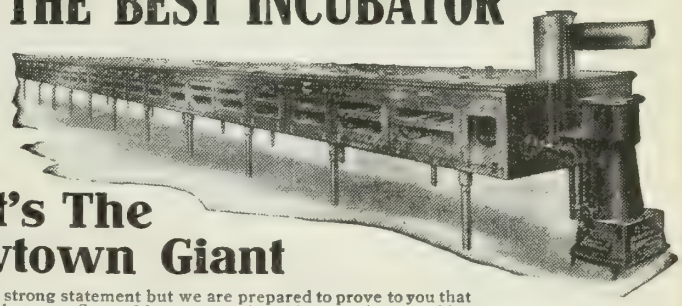
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21 Warsaw St.

Harrisonburg, Virginia

a bit high at Victoria, Vancouver Island, the climate conditions as indicated by the chart seem to be more favorable to poultry than those at Cranbrook, B. C., and the milder climatic conditions and lower altitude would perhaps offset the difference in grain cost. Personally, if we had to choose between the two and found the market conditions good, we would prefer to take a chance on the Vancouver Island location. In either locality we would favor White Plymouth Rocks, Rhode Island Reds or White Wyandottes, and believe they would make a good showing in egg production if properly housed and handled.

Farming Out Chicks.

Q. I want to farm out a thousand or fifteen hundred chicks next year. What in your estimation would be the fairest way to both the farmer and myself? He of course will feed and care for them to maturity and attend to all shipping of same to me upon request. F. R.

Evanston, Ill.

A. In the first place, you should know your farmer pretty well and know that he is capable of getting the results you want. You would want to have a definite understanding as to how the chicks are to be brooded, fed, housed and cared for. That ought to be in the written contract. You of course will hatch and deliver the chicks. You could agree to buy and accept delivery of all the chicks between October 1 and 15 at $1 each; or agree to purchase your selection of the chicks between those dates at $1.50 each. The farmer to contract to market all of the balance as dressed poultry; unless you saw fit to allow him to keep a flock for breeding and laying purposes, subject to your first option on all produce he did not require for home use. You can't get such work done well at a lower price, and it would not be fair to the farmer to expect him to hold the birds indefinitely, subject to your shipping orders, unless you paid him for it. If production cost increases you might have to pay more. In any event you will have to pay enough to make it an object for the farmer to do a good job and to insure being dealt with fairly.

Wants to Keep a Cock from Crowing.

Q. (1) I live in the city and would like to know how to keep a male bird from crowing and disturbing the neighbors.

A. (1) Don't know how to stop a cock from crowing and still keep him about and worth his feed.

Q. (2) Would it be possible to keep two breeds of chickens, allow them to go about freely and have each breed go back to its respective house at night, or would they get mixed up?

A. (2) The breeds would cross if allowed to run together, if that is what you mean. You might be able to train two flocks so that they would not mix up and would return to their respective houses, but you could not stop two breeds from crossing if running together and any live male with the flock.

Q. (3) Please give me a formula for a wet mash. A. W.

New York.

A. (3) Equal parts by weight of bran, middlings, corn meal, gluten, ground oats, cut clover or alfalfa, good beef scrap. Scald the clover or alfalfa. Mix the ground stuff dry. Wet up the whole with cold water or with skim-milk. Make crumbly, not sloppy. When milk is used, use about half the quantity of beef scrap.

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Do you know that a *Poultry Farm* in the *Sunny Southland* near the *Gulf Coast*, where there are cool breezes all Summer, and no cold weather in *Winter* months, and where *Poultry* can run outdoors every day in the year is a wonderful section to produce *Poultry* and *Eggs* for *Profit*?

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Read our *Book* entitled "*Looking Ahead*," and it will give you some interesting facts about the *Southland*, and the great *Poultry* and *Fruit* industry there. It's free to anyone.

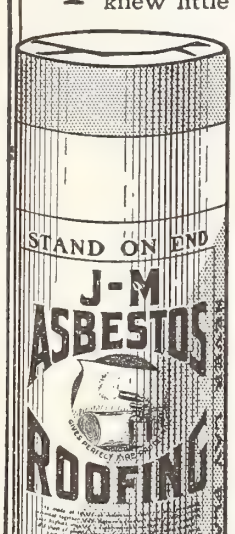
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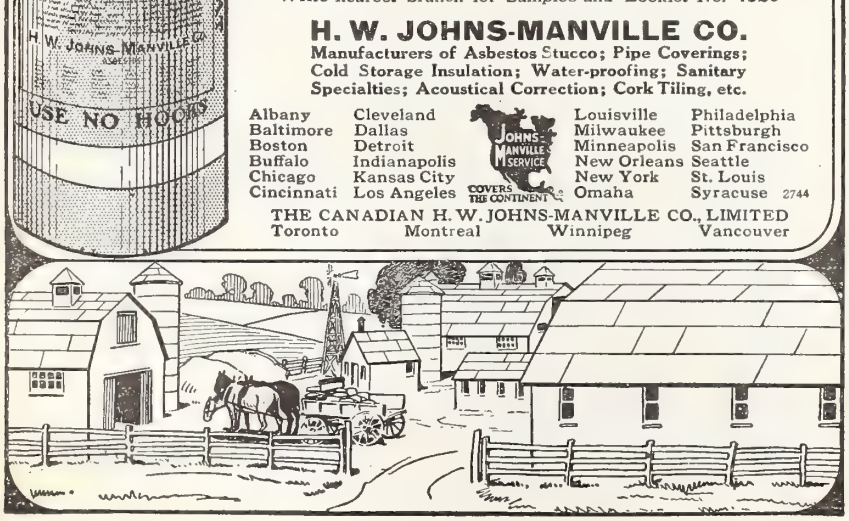
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"OCULUM" DOES IT
It will cure cholera, roup, and diseases and save everlasting labor and drudgery, says its users in every state.
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Womans Success With Poultry

Helen F. Woods, Editor

A Department for the Exchange of Helpful Poultry Experiences



AN AMATEUR'S NOTES ON LEARNING THE GAME.

By E. H. JOHNS.

PROBABLY an amateur's first year in any business is a laughable spectacle to the expert in the same line. It is really amusing to the amateur himself (or herself as in this case) to look back upon; and for that reason, if for no other, I would not cross out that first year with poultry.

To begin with everybody (man included) who has not raised poultry thinks that the poultry business is the one best bet, since all classes from knaves to fools can make good in it! It is not only an easy undertaking, but the one who undertakes it becomes the champion easy mark for friends and strangers alike to hurl their knowledge of the business. The individuals who proffer unsought advice, be it understood, almost to a man, are in complete ignorance of the first rules of the game—and the real head springs of the fountains of poultry knowledge refuse to ooze out so much as a drop of genuine information for the thirsty beginner. On the other hand, he is entirely confident that an amateur, knowing next to nothing anyway, is just as well off with scrubs and disqualifications, as he would be with the first birds in the land. All of which may be.

In my wild thirst for knowledge on the subject, I subscribed for a score or more poultry papers, and for some months hung breathless upon their every word. However, as I absorbed more and more of their voluminous advice, the contradictions at first baffled, then alarmed me, and finally made me mad. Today, I was learning how to feed a scientifically balanced ration and tomorrow I found out that the birds should feed themselves, knowing better than I, what their internal economy required. Today I was mating according to Hoyle and tomorrow I found he was a back number, with "Casey at the Bat." Accordingly I began thinning down my list of poultry periodicals, many of which were well inflated, but the filling was unsubstantial. At any rate I have put it down in my notes that fully two-thirds of my difficulties arose from taking unreliable advice.

I have yet to find an excuse for one who knows little if anything about a business, writing advice on the subject for publication. (Please note my little spiel is presented solely as food for thought.) In a number of papers we find little aside from advice from beginners. Of course, they do not so call themselves, but the advice proves the statement. The poultry departments in many of our farm papers contain more genuine humor than the comic supplements of the daily press. Note this from a prominent farm paper before me. "Early hatched pullets are likely to begin laying earlier than those that are hatched as late as June or July!" Another editor of a poultry column tells us that "the secret of getting eggs is in keeping the poultry house clean!" Such advice, however, is not likely to cause much damage, because a man, woman or child with ordinary common sense who had never seen a hen, would appreciate the fact that the writers of such advice, while competent to talk, did not know what they were talking about.

Most of these writers are in the business to get before the public or to pay for their ads, or just for the joy of seeing their names in print and while at first they may seem very knowing to the amateur, by and by, even the weaker sex gets on to the fact that filled space is not always of value. Once we get a real live interest in the poultry game and engage personally in poultry work, we begin to analyze the statements we read in poultry papers and poultry columns and a good many times

WOODCREST PARTRIDGE WYANDOTTES

The record champions of Madison Square and Boston have bred true. In September the Great New England Fair returns them winners of 1st and 2nd cock, cockerel, hen and pullet. If you want to lead and let others follow, you need this strain. Order now and get first choice. Hundreds of choice youngsters to select from.

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The Time for "Watchful Waiting" Is Over

If you are handicapped by a limited income and a limited opportunity to earn more, let

PAPE'S STRAIN SINGLE COMB BLACK MINORCAS

SHOW YOU THE WAY OUT

They are noted for their "Great Egg Producing Qualities" and their "Prize Winning Abilities." One of our "Special Introductory Offers" will enable you to make money, even if you work but a few hours a week with the birds, and you can make the total as large as you wish. Will cheerfully tell you about our plan.

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SACRIFICE SALE OF BUFF ORPINGTONS

On account of owner changing residence to Florida, we will sell our entire stock of 500 young and 100 old Buff Orpingtons—no culls. We have made practically clean sweeps wherever we have shown since 1910, among which are:

Columbus, Ohio, Indianapolis, three successive seasons; Pittsburgh, New Orleans, Atlanta, Cincinnati, Nashville, and Cincinnati again, in competition with the very best breeders of the United States.

A large percent of our birds are in full plumage and standard weight, and ready for the show room now. We believe we have the finest bunch of Buff Orpingtons in the United States.

Guarantee Offer: If any bonafide purchaser or representative of same, from any point in the U. S., who knows good birds when he sees them—who means business, will come and inspect our birds and does not agree that they are the finest bunch he ever saw, we will refund to him the expense of his trip. Write at once to

BRUCE & ABBOTT, WHITELAND, INDIANA

it does not ring true. And it is just the same way with the advertiser. All the ads are simply dreams of the coming of the millennium in the poultry world, until you really engage in the work and get to analyzing the statements made by the would-be seller. Occasionally we find one who advertises like a real human being, engaged in a human undertaking and who has thus not yet been able to breed a perfect strain of fowls in which culls were an unknown quantity. Everyone will agree, I am sure, that a good many of the ads in our poultry journals listen like the proverbial con game.

The good straight-from-the-shoulder articles which some of the best poultry papers are giving us are an education in themselves. I am learning some of them "by heart" as I used to learn "a selection" for the last day of school. And the beauty of it is, that they give us eager-to-learn beginners something to work on. No hard and fast rules are laid down, but there is a firm foundation and a substantial framework which individually we can work out and finish along lines suited to locations, and inclinations. No worker wants to walk a straight plank with no opportunity to broaden out or develop along individual lines. The poultry business to date has not stunted the writer either physically or mentally though sometimes her wallet has been rather flat.

Though I have not advertised to date, a good many visitors have found me out, and ask to be shown around, and incidentally given all the details necessary for successful poultry raising. They usually know how it should be done, but ask to see if I do. Consequently while I am raising fairly good percentages yearly, and selling eggs unreproachable as to age and purity, I make no claims as to the "know how" of poultry culture, preferring to be a good listener rather than a free lecturer. One told me the other day that poultry manure should not be a waste product—it could be used on the garden! I am expecting soon to see his name as the poultry editor of a farm paper.

GOLDEN and SILVER **CAMPINES** WHITE and BUFF **FAVEROLLES**

The Faverolle is interesting a lot of people. As a table fowl and a winter layer we have never found their equals. Our Silver Campines are of high quality. In Golden Campines we have new blood for you that you can't get from any other breeder. Our female lines came from the King of Belgium; males from the yards of the Rev. Jones, England. On account of the war you may not be able to get birds from England, so place your orders early. Our prices are attractive and so low that all can start in the above varieties.

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SATISFACTION STRAIN **BUFF ORPINGTONS**

Have given satisfaction for so long that they are now worthy of the name. Satisfaction Strain means just what the name implies, and today as well as in the past **I HAVE NO DISSATISFIED CUSTOMER IN THE WHOLE WORLD.** At the last **Great Chicago Show, 1914**, I made the greatest winning ever made by a Buff Orpington Breeder in any Chicago show, viz:—COCKS, 1, 2, 3; HENS, 1, 5; COCKERELS, 2, 3, 4; PULLETS, 1, 2, 4, 5; OLD PENS, 1; YOUNG PENS, 1, 2, 4; SILVER CUP BEST DISPLAY. Following the great winning made as above, there has been a greater demand for my stock than I could supply, and every hen and cock bird I cared to spare is sold. I still have 600 cockerels and pullets left to spare, all sons and daughters of the above and other winners, which are offered for sale to win at any show. Send in your order now and birds will be delivered when wanted, conditioned and trained free just before your show. Prices of stock, $3 to $25 each. My catalog, "THE BUFF ORPINGTON GUIDE BOOK" sent free. Write me regarding your wants.

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Granock Farm's S. C. White Leghorns

Annual Sale of yearling hens to make room for young stock. Extraordinarily Low Prices.
If you breed S. C. White Leghorns, send us your name. Illustrated catalog upon request.

GRANOCK FARM, Stewart Haddock, Prop.

ARLINGTON R. F. D., DUTCHESS CO., N. Y.. or POUGHKEEPSIE, N. Y.

Harold Tompkins' Rhode Island Reds

Both combs. This season's birds finest I ever raised. Cocks, hens, cockerels, pullets and pens now ready for the hottest fall competition. Write your wants. No orders too large—none too small. All inquiries receive prompt attention. Booking orders now for late fall delivery.

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PROOF THAT MY STRAIN OF BRED-TO-LAY BARRED PLYMOUTH ROCKS

ARE PRODUCING THE **WORLD'S GREATEST LAYERS** CAN BE FOUND IN MY

NEW SIX PAGE FREE COCKEREL CIRCULAR It also gives a full description of the COCKERELS that stamp the lay on their offspring; that sell at $3 and up. Birds that in addition to their over 25 years egg breeding are bred close enough to the Standard that we have a number of Madison Square winners for customers. Large 40-page catalog a dime.

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In all my experience judging Orpingtons at New York, Boston, St. Louis and Los Angeles, I have never handled better ones than I can and will supply this season. I can furnish quality to win above or any other shows as I have repeatedly furnished in the past. Lowest prices also named on the best layers possible in utility stock. All this is a natural result of my 15 years of consistent effort to improve the high standard of quality to meet the public demands of tomorrow instead of yesterday. Catalog free. Quotations by wire when necessary.

C. S. BYERS (Orpington Specialist 15 Years) **HAZELRIGG, IND.**

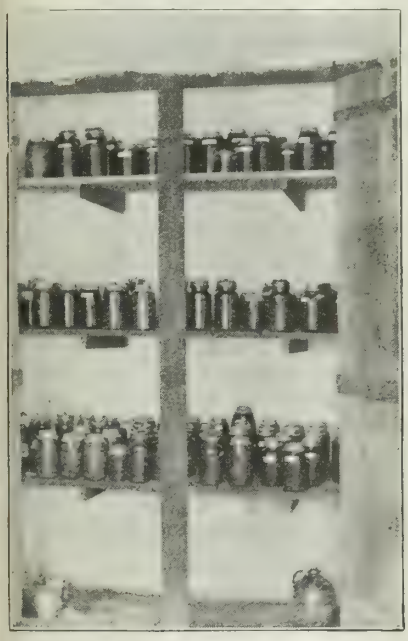
Home and the Table
Good Things for Everybody

Helen J. Woods, Editor

"Economy is the only mint to which we all have access."—Old Adage.

AT this time of general advance in the price of foodstuffs the average housekeeper is moved to look about in an effort to discover some means whereby she may meet this condition, while at the same time keeping her table well supplied with palatable and nourishing food.

The fall months, the most bounteous of the year, offer a wide field for work along this line. At no time of the year can so great a variety of foodstuffs be bought so cheaply as during the early autumn. In fact, throughout the country, great quantities of fruits and vegetables are going to waste at this time. The housekeeper intent on



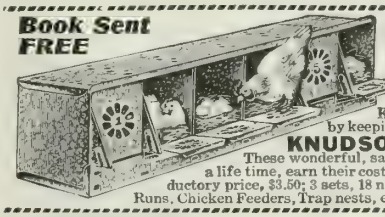
Canned fruits and vegetables put up at odd moments by a busy farm housekeeper. They comprise berries, plums, pears, peaches, apples, quinces in fruits, and asparagus, peas, beans, tomatoes, beets, and corn in the vegetable line.

keeping down expenses, will bear in mind that the first step toward making a permanent success in any business is that of utilizing the waste materials. Immense fortunes have been made in nearly every line of business through the utilization of this apparently unimportant item—waste. The American housekeeper has yet to realize the worth of genuine economy of time and materials. Ours has been a land of plenty, and "waste" the great American failing.

Just now with the price of sugar soaring, canning and jelly making of fruits may even appear as an extravagance, but where the fruits are to be had for the picking as is the case in almost every country place, the expense need not be great. If, however, it is considered an unwise expenditure at present high prices, nearly all berries and fruits may be put up without sugar, by giving a little greater attention to the matter. The contents of jars must be thoroughly sterilized and the sealing absolutely airtight. New rubber rings should be used each time in putting up fruit in glass jars, as old ones have usually flattened out sufficiently to admit air to the contents. In putting up fruit without sugar in glass jars, after clamping down top, allow to cool and dip the top (over entire top) in melted parafine which will insure the contents keeping indefinitely. For the purpose of jelly making, the juices of fruits should be strained off, bottled and sealed hot. The jelly may then be made at any time convenient for the housekeeper. There are, also many and varied combinations of fruits and vegetables, desirable for pickling. A large earthen jar may be kept in readiness for any left over fruit or vegetable that may be used in an appetizing mixed pickle. Place boiled vinegar in the jar and add from time to time, lima or string beans, cucumbers, cauliflower, small green tomatoes, peppers and onions and a sprinkling of nasturtium seeds, until there is sufficient to make a mixed pickle.

A brine should then be made by using about one-fourth as much salt as water, having it sufficiently deep to cover the pickles. After the salt is dissolved, put the pickles in carefully, not bruising them, and leave in the brine for about twelve hours. When removed they should taste slightly salt. The seasoning and spices used should be fresh and carefully selected, since the flavor is dependent upon this. Usually such spices as cinnamon, clove, mustard seeds, horse radish, ginger root, mace and small red peppers are tied in a muslin bag and placed in the pickle jar, while salt, pepper, mustard and sugar go directly into the vinegar. Some sugar is used in nearly all pickles, whether intended to be sweet or otherwise, but in the concoction of the sweet pickle, it is a most important ingredient.

Putting up vegetables for winter use



Book Sent FREE

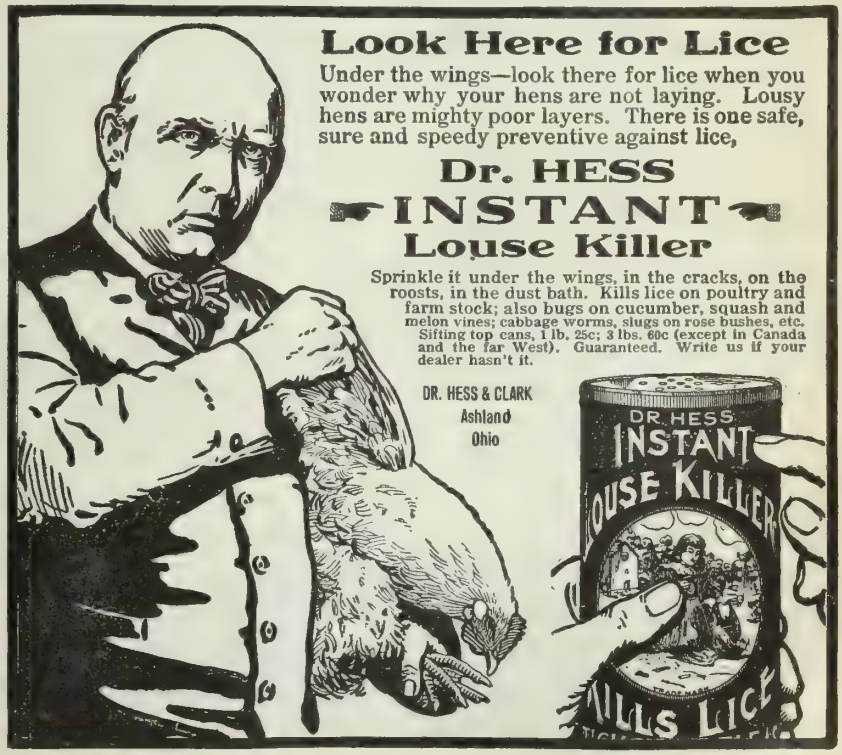
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Keep your hens happy, get more eggs, make them pay you better by keeping them free from lice and mites, by equipping laying houses with

KNUDSON Galvanized Steel LICE PROOF NESTS

These wonderful, sanitary, *patented* nests (not a trap nest) can't get out of order, last a life time, earn their cost many times over. Regular price, $3.90, set 6 nests—special introductory price, $3.50; 3 sets, 18 nests, $10. Write for *free* catalog, Gal. Steel Brood Coops with Runs, Chicken Feeders, Trap nests, etc. Knudson Manufacturing Co., Box 570 St. Joseph, Mo.



Look Here for Lice

Under the wings—look there for lice when you wonder why your hens are not laying. Lousy hens are mighty poor layers. There is one safe, sure and speedy preventive against lice,

Dr. HESS INSTANT Louse Killer

Sprinkle it under the wings, in the cracks, on the roosts, in the dust bath. Kills lice on poultry and farm stock; also bugs on cucumber, squash and melon vines; cabbage worms, slugs on rose bushes, etc. Sifting top cans, 1 lb. 25c; 3 lbs. 60c (except in Canada and the far West). Guaranteed. Write us if your dealer hasn't it.

DR. HESS & CLARK
Ashland
Ohio

DR. HESS INSTANT LOUSE KILLER

KILLS LICE

is not only a great economy, but the housekeeper who has exercised proper care in the work knows she is providing her family with good wholesome food, free from adulterants. The vegetables should be thoroughly cleaned before being placed in the jars, and with the cover on, but not clamped down, steamed until tender by placing the jars on a rack in a wash boiler or other receptacle. The length of time required for steaming depends upon the vegetable being canned. The sealing is done in the usual way with the extra precaution of dipping the tops of jars in paraffine to exclude any possible air from the contents.

At the recent convention of the American Poultry Association in Chicago, I had the pleasure of meeting a southern lady who annually stores away for her family's use sufficient home grown fruits and vegetables to serve throughout the year. She uses tin cans with a special process for sterilization and sealing and has found it to be of inestimable value in catering to her family, enabling her to serve a great variety of fruits and vegetables the year round and at very slight expense. Such a system would not only prove a great economy in many households, but would mean better food and more of it at small cost.

In the matter of bread, the average family throws away sufficient to supply another family. Whole loaves of bread, untouched rolls and cake are frequently seen thrown into the waste. A walk down any street of cities and towns where garbage is collected, on a day when the waste is placed out for collection, will convince any of us that we have yet to learn the first principles of economy.

In meat markets, hundreds of pounds of bone and fat are sold to willing customers and then taken out and kept by the dealer to be again sold by him to bone or soap factories. There is no greater opportunity for careful buying than in the purchase of meats.

In economic marketing, it is necessary to know what one is purchasing in order to buy advantageously and this means knowing the value of the so-called waste parts as well as of the meat itself. A housekeeper who makes proper use of the fatty parts of meat used on her table, will find it unnecessary to buy much lard or shortening. In fact, there will in most families be many more pounds of beef, bacon and poultry fat than she is able to use for pastry and cookies, or for deep frying of doughnuts, crullers and croquets.

With flour at present prices, frequent accumulations of dry bread become quite an item in the family expense account. Bread that is no longer palatable because of dryness should be thoroughly dried in a slow oven and then put through a meat chopper, the crumbs being placed in clean jars where it may be kept sweet and wholesome for a long time. These dried crumbs may be used in countless ways, but in equal quantities with flour make delicious muffins, popovers, griddle cakes and waffles. They also may be used instead of coarse meals in the making of brown bread, or served hot as a cereal with cream, as well as the usual breading of meats, fish or croquets.

Probably in the left-overs in the refrigerator we find the housekeeper's greatest lack of economy. The carcass of a fowl left from yesterday if put immediately into the soup kettle when removed from the table would have been the means of an appetizing soup for today, but if left in the refrigerator to dry (or to mould) until the last of the week, it will serve its purpose better if consigned to the garbage can. The cooked vegetable left over or the bit of fresh fruit left to spoil day after day helps to swell the leak in household expenditure for which we get nothing in return. I recently visited a housekeeper on a large farm, who had been making an effort to make good along this line by utilizing all left-overs in fruits and vegetables by putting them up for winter use. While cooking the usual farm dinner at noonday, she had made it a practice to can a jar or two of whatever fruit or vegetable she had on hand, or if she had a little of several kinds, to combine them in conserves or mixed pickles or whatever could be palatably concocted with what she had at hand. The result was a surprise to all who had the privilege of viewing her well-filled preserve closet, or of sampling her delicious jellies and jams, spiced and pickled fruits and vegetables.

We can all well afford at this time of high prices to cultivate a little of the thrift of the old-world housekeeper by making the best use of the foodstuffs at hand.

Pear Chips.

Peel and cut the pears into thin strips sufficient to make eight pounds. Pare two ounces of green ginger root and cut into small pieces. Squeeze the juice of four lemons, cutting the rind of two into thin strips. Place all into a preserving kettle and boil until tender and transparent.

Spiced Grapes.

Wash and remove skin from four pounds grapes and place the pulp in a porcelain-lined sauce pan and allow to simmer until soft when it should be strained through a sieve to remove the seeds. Add to the strained pulp two pounds sugar, one cup vinegar, three teaspoonsful ground cinnamon, two teaspoonsful ground cloves, together with a few of the grape skins and simmer slowly for about two hours. Place in glass jars while hot.

Dried Sweet Corn.

By C. W.

Boil the corn on the cob in usual manner, or use what is left at any time in serving. Cut the corn from the cob, spread on thin plates on edge of oven or warming oven where it will neither burn or sour before drying out. When well dried place in glass jars. When wanted for use, soak in water over night and use as canned corn. Delicious.

Rose Comb Rhode Island Reds

A few good males left, including my prize winners. Young stock better than ever, bred from Cleveland, Buffalo, and Chicago winners. Write me your wants.

H. H. HOLMES - - - 49 Lockwood St., Ashtabula, Ohio

S. C. ORPINGTONS Buff

SPECIAL SUMMER SALE—I will sell a number of my breeders, prize-winners included, at bargain prices. Write me your wants.

ROSELAND POULTRY FARM, CHAS. W. SWITZER, PROP., SO. EUCLID, O.

The Leg Band for Your Chickens

50 for 25c

Any Size

No's. 1 to 50



We want you to get acquainted with our useful poultry appliances and for this reason we are offering 50 self-locking rust-proof leg bands—embossed numbers, 1 to 50, at the special price of 25 cents. Postpaid. State variety you breed when ordering.

SIMPLEX SUPPLY HOUSE Pontiax Bldg. CHICAGO

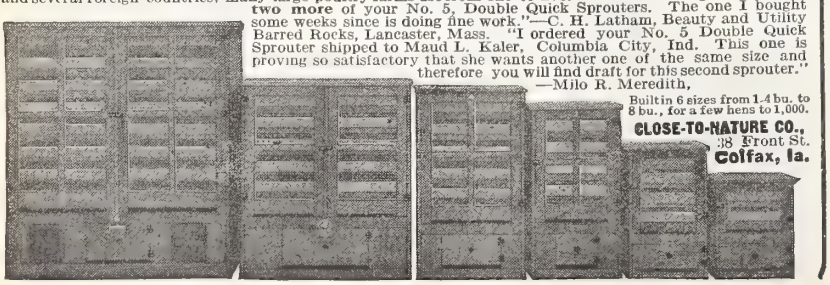
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DOUBLE QUICK GRAIN SPROUTER

THE PERPETUAL POULTRY SILO—Grows Green Feed While You Wait

The First, the Original, the Pioneer of All Grain Sprouters

The Double Quick Originates and introduces, others imitate and follow. Fully 100 Double Quicks to every half-dozen of all others combined. Now in its fourth year; in use in every state and territory and several foreign countries; many large poultry farms use from one to five. "I am enclosing my check for two more of your No. 5, Double Quick Sprouters. The one I bought some weeks since is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass. "I ordered your No. 5 Double Quick Sprouter shipped to Maud L. Kaler, Columbia City, Ind. This one is proving so satisfactory that she wants another one of the same size and therefore you will find draft for this second sprouter."—Milo R. Meredith,



Built in 6 sizes from 1-4 bu. to 8 bu., for a few hens to 1,000.

CLOSE-TO-NATURE CO., 38 Front St. Colfax, Ia.



According to astrology this is an unimportant day. Venus is in benefic aspect early in the day, but later Uranus is mildly adverse.

* * *

The late A. P. A. meeting is still the question of the day.

* * *

The new standard illustrations are an improvement over any others ever had. The A. P. A. should offer the use of these to the specialty clubs so that the official and exact form can be had by the beginners. The specialty clubs make the breeders who later become A. P. A. members and it is to start them right that we favor this plan.

* * *

Mrs. D. W. Young held daily receptions while at the Chicago convention. It was a rare collection of "ladies" there, and I know of two bachelors who had to toe the mark and tell why. Link also knows them.

* * *

We are pleased to note that Jason Hanibal Drevenstedt agrees with us that the breeders of each variety should in future have the say in Standard making. Now we want others to fall in line by the time we have another Standard to make. Hope this will be understood.

* * *

If you do not wish to leave it to the specialty clubs, then appoint breeders' committees for the work, and rest assured it will be done right and save much of the floor squabbling.

* * *

The feature of the "Gentlemen's Smoker" was the piano selections by Mr. John S. Martin, Port Dover, Ont. Besides breeding the best of White Wyandottes his hobby is music; the quality rendered was most gratifying

* * *

The judges question will not down, and I believe the only solution is in a strong and united judges' association. Neither the judges nor the poultry associations have what they think they should receive from the A. P. A. It is left for both to organize and to demand their dues.

* * *

Uncle Abner says: Every gal just loves to wash dishes until after she marries the feller.

* * *

Fall is here.

* * *

Old Autumn sure has come abought.
And summer sweet's a goner;
Again the roasted chestnut shout
On every bloomin' corner.

The New York State Fair with one of the best poultry buildings in the world and with over 6,000 birds shown has set a new mark in fall shows. There were extraordinary classes in Rocks, Wyandottes, Reds, Leghorns, Orpingtons, Minorcas, etc. The judging was classy and the management the best. Superintendent Wm. H. Manning has shown the way in what is possible to produce and accomplish. He has the breeders with him to a man and well deserves the best we can say of him and his work.

* * *

This would be very incomplete unless we also mention Mr. Manning's able assistant, Mr. W. M. Anderson. Mr.

CAMPINES Eggs half price balance of the season.
BOOKLET FREE
DR. J. H. PRUDHOMME, THURMONT, MD.

Drinking Fountains
Protect your fowls from their own contamination and supply them with fresh, pure water at all times. We have these fountains in all sizes. Prices, from 15 cents for quart size to $2.25 for 4-gallon size. Sold under positive guarantee of money refunded if not satisfied. Send for catalogue today.
SIMPLEX SUPPLY HOUSE, Pontiax Building, CHICAGO, ILLINOIS

"Premier"
PARTRIDGE WYANDOTTES
Unexcelled for Beauty and Utility
Awarded more First Prizes than any other strain of this variety in America. With "Premier" Partridge Wyandottes you can **win in strongest competition.** They are the standard by which others are judged. **In the lead as a general purpose fowl,** hardy, quick to mature, fine Winter layers. Attractive prices on high class birds. Illustrated circular on request.
SHEFFIELD FARM H. B. HARK Mgr. Poultry Department GLENDALE, O.

Special Sale of Choice Select Breeders
SHIPPED ON APPROVAL
on a most liberal and fair plan which absolutely insures you birds that will please. You take no risk. You are absolutely pleased or no sale.
MODERATE PRICES
50 White Plymouth Rocks **50 Barred Plymouth Rocks**
50 White Wyandottes **50 R. C. Rhode Island Reds**
These birds have all been carefully selected especially for this sale. They are good sized, good colored birds, farm reared, healthy, vigorous, and at the best age for breeding.
Good Birds sold on a plan that is really on approval. Handsome catalogue and full details free.
R. C. CALDWELL Box 1021, LYNDON, ROSS CO., OHIO

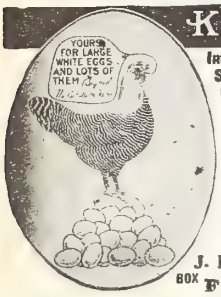


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meet all Government requirements—**guarantee safe delivery** of products. Made in various shapes and sizes—strong, light and sanitary. Protect contents from heat, cold and moisture. Send today for free booklet, **"How to Pack It for Parcel Post."**

The HINDE & DAUCH PAPER Co.
Dept. B **Sandusky, Ohio.**

Kennedy's



Improved Champion Strain Silver & Golden Campines

The fowl with sterling merits and ancient pedigree and the most noted utility and exhibition strain in the world.

Campineology—Third edition. "The Story of the Living Egg Machines." The most costly and complete work ever attempted on **Campines** for ten cents.

J. FRED N. KENNEDY
BOX F **BIRCH CLIFF, ONTARIO, CANADA**

An Egg a Day

If this is your desire, treat your layers right. Don't force them with all kinds of tonics; help them with a pure, nutritious Milk Substitute.

"Fill the Basket" Egg Mash

does not force; it helps.

Write us for pamphlet

Blatchford's Calf Meal Factory
Waukegan, Illinois

STILES' COLORED Leg Bands

DURABLE, PRACTICAL, ECONOMICAL

Provide instant identification without handling. Identify birds as far as you can distinguish colors. Tell the age of poultry, which are yearling hens and which are older, your different matings, and so on.

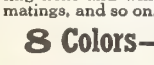
8 Colors—Red, White, Pink, Amber, Blue, Black, Ruby, Green.



SINGLE COIL BANDS—for adult fowls. 25-35c; 50-60c; 100-$1.00; 250-$2.25; 500-$4.00.



DOUBLE COIL BANDS—for adult fowls. 12-25c; 25-50c; 50-85c; 100-$1.50; 250-$3.25; 500-$6.25.



BANDS FOR GROWING BIRDS—(2 sizes, state age) 12-20c; 25-35c; 50-60c; 100-$1.00; 250-$2.25; 500-$4.00.



BANDS FOR DAY OLD CHICKS—Six colors: Red, Blue, Black, White, Pink, Amber. 12-15c; 25-25c; 50-40c; 100-75c; 500-$3.50.

Mention your variety when sending your order.

CHAS. L. STILES
232 N. Third St. **COLUMBUS, OHIO**

Anderson was there early and late and the wants and wishes of exhibitors and the visiting public had his best care and attention. We did not see a disgruntled person at the show. Note our report elsewhere of this exhibit.

* * *

The great fall shows so far seen do not look like a short poultry crop. Entries are greater than ever and the quality is the best ever.

* * *

The Rochester Exposition was held this week (September 7th to 12th) with a poultry exhibit of over 3,000 birds. This was but the second year that poultry has been shown here and this great entry proves that in future this will also be one of the big fall shows. The poultry department is in charge of the Flower City Poultry Association, with Messrs. Tallinger, Otto and Gunthier in personal charge. Remember this exhibit and send for premium list next year.

* * *

Toronto has again held its exposition and from reports received the poultry department was again a feature show. For years they have held a great exhibit there and we hope next year to again visit there and to report it fully for our readers.

* * *

There is no doubt that we are beginning to appreciate the birds. The interest taken in them is largely due to the good work of our Department of Agriculture in making better known the value of the birds to the farmer. There is evident increased appreciation of the value of wild birds, although it took many years to convince most tillers of the soil that the feathered creatures were friends and not enemies. It is coming to be understood that the loss inflicted by occasionally eating fruit or grain is as nothing compared to the benefits derived from the destruction of insect pests which work havoc with the crops. These insects for the most part are the natural food of the birds, preferred to any other, and wherever birds are numerous insect pests are likely to be scarce. In some localities landowners are importing nests and so successful has been this experiment that more will be erected. Give the birds a chance, attract them and find them lovable and profitable neighbors.

* * *

The poultry breeders of New York state will be pleased to know that at the state fair a New York State Poultry Breeders' Committee was organized to attend to the interests of all those who wish to exhibit their stock at the Panama Exposition at San Francisco in 1915. The committee is Wm. H. Manning, chairman, Saratoga Springs, N. Y.; Geo. E. Noeth, secretary, Rochester, N. Y.; D. Lincoln Orr, J. H. Drevenstedt and H. P. Schwab.

* * *

The committee expects that the breeders from this state will exhibit upwards of 1,000 birds. They wish to hear from every breeder and will very shortly mail out a circular with full information.

* * *

Billy Atherton now has the badge of approval. Wonder what he will do with it? If he had that lost hat it would be of some use to him. Live in hopes, Billy, for the lost may return.

* * *

The Williamsport, Pa., show, Novem-



The General says:-

The dealer who offers you *Certain-teed* Roofing is the kind of dealer you can depend on for whatever you need in his line. He isn't fooled by plausible roofing "tests" any more than you are. This label on

Certain-teed
ROOFING

means 15 years guaranteed service—and the responsibility of the world's largest manufacturers is behind it—to protect *both* you and the dealer.

Your dealer can furnish *Certain-teed* Roofing in rolls and shingles—made by the General Roofing Mfg. Co., *world's largest roofing manufacturers.* East St. Louis, Ill., Marseilles, Ill., York, Pa.

Protect Bird Profits

by protecting bird health. Use

KENTUCO WARE

It is "mechanically perfect—looks it." Galvanized after made—non-rusting—easy to clean. Send for big free circular.

Kentucky Stamping Co., 104 N. 15th St., Louisville, Ky.

Plain truth is, you will have no lousy hens if you paint the inside of your henhouse with

AVENARIUS CARBOLINEUM
(Registered)

once a year. It is guaranteed. Write for circulars and testimonials.

Carbolineum Wood Preserving Co. Dept. 50, Milwaukee, Wis.



See The "BUCKEYE"



Guaranteed to hatch every hatchable egg. Over 325,000 in use. Send for Catalogue and dealer's name where you can see one and learn how it works.

The Buckeye Incubator Co.
501 Euclid Avenue Springfield, Ohio

SOLD AS LOW AS $10.00



HERE IT IS FOR $4.00
A Great Big Hand Grinder

that will save its cost several times a year and will furnish one to two bushels per hour of fresh ground corn, oats, peas, dry bone, oyster shells, etc., for poultry feed. A child can operate it. Shipping wt. 40lbs.

We also build a full line of POWER FEED MILLS, SAMSON WIND MILLS, GASOLINE ENGINES. Ask for catalogs.

Stover Mfg. Co., 318 Plymouth St., Freeport, Ill.

Save the Chicks With FRESH Air



Don't let foul air kill chicks still in shell, and ruin health of laying hens and poultry for market. Now you can draw off odors that breed disease, keep out lice and vermin with the

ESSENBEE VENTILATOR For Poultry Houses

Prevents down draft. Regulates moisture and heat. No more damp houses — no more excess heat. No more apoplexy — no more frozen combs. Essenbee Ventilators invented in Germany—**Patented.** Easily and quickly attached. Order today on **Money Back Guarantee.** Only $3.00 Prepaid. Or send for literature with pictures and full description.

AGENTS. Good territory still open. Write for proposition

Essenbee Co. 2144 Rice St. Chicago

ber 16th to 21st, will open the season of big shows as usual. It will be a big feature show and one worth attending. There will be upwards of a dozen club meetings held and their list of cash and special prizes is larger and better than ever before. As we now understand it no admission fee will be charged. If so, the attendance will be much larger than ever before. This has always been a great selling show, well attended, but with an open door it is the forerunner of what is possible to the advantage of the exhibitors. Be sure and get a list and send a few birds to compete with some of the best, for a prize won there has special value. Address Geo. J. Hanks, secretary, 35 West Fourth street, Williamsport, Pa., for all particulars.

* * *

Make good by doing good.

* * *

The judges at Williamsport are Richard Oke, J. C. Punderford, T. F. McGrew, H. D. Riley, M. L. Chapman, H. P. Schwab, J. D. Koons, Charles Nixon and F. I. Bradford.

* * *

Six months after marriage a woman begins to feel a kindly interest in the man she could have married but didn't.

* * *

Editors and associate editors of the poultry journals should be very careful and not take too much for granted these days. They should know the facts in all cases before they publish articles that reflect in any way upon breeders of good standing or judges. There has been a case of this kind lately where an associate editor was mislead by vile and wrong statements from those who imagine themselves prominent in the poultry industry—men who seek safety behind others to grind the imaginary ax. But the truth will out and the afterclap will no doubt be more than they bargained for and all they deserve.

* * *

This is a condition that should not exist. It is just that kind of men who aim to always keep this great industry down and to be known simply as the chicken business. We have always worked for the uplift of the business and seek the support of every honest man to this standard of a greater, grander and more profitable poultry industry. Let us have fair play always and in everything.

* * *

Convince a man that he is wrong and you have made an enemy.

* * *

Never pass up your friends in order to gratify strangers.

* * *

In another five weeks the winter shows will have the call. Prepare for them now. Every little bit of the right kind of work helps and may bring the honors to you later. The result, whatever it may be, will be gratifying to you if you have tried.

* * *

Select the most promising chicks, separating the sexes; look them over; know their needs and see that they get them. By special feed and care you can force them and bring them up to condition. Get to work right quickly, for lost time now means another year's delay.

* * *

Make it your positive business to exhibit your stock at one or more shows this season. That is where we all had to begin and you may as well start now to make that record you have been wishing for. A mere mention in good competition is worth more to you in the long run than a clean-up with no competition. Aim high and keep at it.

* * *

It is only sometimes that "He who hesitates is lost." We've known many a Hesitator to be saved.

Farrant's Single Comb Brown Leghorns

Blue Ribbon Winners at the Great Coliseum Show, Chicago, 1912 and 1913. The grandest lot of youngsters I ever raised. Why not let me furnish your winners for the Fall Fairs. Prices that are Right. Satisfaction guaranteed, or money back. Write your wants now.

F. M. FARRANT - - 745 Prairie Avenue, Kalamazoo, Mich.

Single Comb White Leghorns

Selected breeding cockerels, $1, $5 per 6. Cocks $1, $2, $3. Yearling hens, $12 per doz. **Laying Bred.**

JOSEPH STENZ & SON FOND DU LAC, WIS.

Smith's S. C. Buff Leghorns

The Largest Exclusive Breeder of Buffs in the World.

I have no other breeds. They are the world's best layers when eggs are high, and winners at thirteen of the largest shows. Eggs, Chicks, Breeding Stock and Show Birds by the thousands. If you want to win at the big shows send me your order and I will please you. Send ten cents for catalogue and find out how to raise 150 pullets to six months of age for 15½ cents each.

F. S. SMITH Life Member A. P. A. and Life Member Single Comb Buff Leghorn Club **Box C and D, HAMILTON, OHIO**



Another Big Triumph for Monmouth Leghorns

Added to the long list of winnings of MONMOUTH S. C. BUFF and WHITE LEGHORNS are those at the recent

NEW YORK STATE FAIR

S. C. Buff Leghorns	S. C. White Leghorns
3d Cock; 1st, 2d, 3d Cockerel; 1st, 4th Pullet; 1st Pen; Best Display and all Specials.	2d, 5th Cockerel; 1st, 4th Pullet; 3d Pen; Special on Pullet. No old birds shown.

BIRDS READY TO WIN IN ANY SHOW

Old and young, our birds will win for you in ANY SHOW. They have won first prize at Madison Square Garden for the past five consecutive years. 50 prizes from 60 entries. We offer both prize and utility stock at very low prices—the best there is of "The Twentieth Century Dual Purpose Fowl."

Our Beautiful New Catalog and Mating List

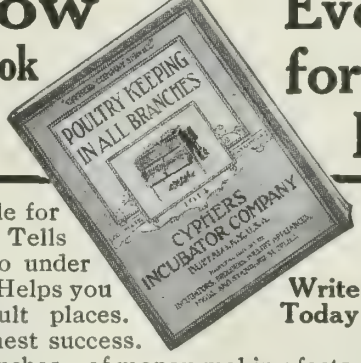
give full description of breeding pens and their show records, Monmouth Farms equipment, a colored insert of Monmouth Buff Leghorns, etc. Better write TODAY for this book.

Monmouth Farms J. C. Punderford, Owner Thos. Lockwood, Supt. **Box 23, Freneau, Mon. Co., N. J.**

Send Now

Big Poultry Book

FREE



Everything for Poultry Keepers

A friend and guide for poultry raisers. Tells you just what to do under all circumstances. Helps you over all the difficult places. Insures you the richest success. 244 pages—7½x10 inches—of money-making facts.

Write Today

Cyphers Company 1914 Book

Poultry Keeping in All Branches

Written by poultry experts. Based on actual experiences on Cyphers $75,000 Poultry and Demonstration Farm. Send for this book today. Apply its rules, suggestions and discoveries to your poultry business and make this your banner year.

See That List of Poultry Supplies?

Cyphers Company 1914 book describes, shows pictures and gives prices on every poultry need. Each article carries Cyphers warranty and is guaranteed to give satisfaction.

Ask us to send with the 1914 book our two valuable books, "Poultry Foods and Feeding" and "Cyphers Company Doctor Book." The Doctor book is new. Informs you instantly the name of any disease and the remedy. Don't wait until your fowls are sick. Be prepared, get this book, save money. We will send all three together *free of charge.* Write today.

Cyphers Incubator Co., Dept. 30, Buffalo, N.Y.

New York, N. Y., 41 Barclay St.
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Kansas City, Mo., 317-319 Southwest Blvd.
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List

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Brooders
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Leg Bands
Caponizing Sets
Chick Food
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Growing Mash
Fattening Mash
Scratching Food
Fertile Egg Mash
Laying Mash
Short-Cut Alfalfa
Mealed Alfalfa
Full-Nest Egg Food
Nodi Charcoal
Poultry Remedies
Napcreol (Disinfectant)
Anti-Fly Pest
Egg Preservative
Fumigating Candles
Drinking Fountains
Grit & Shell Boxes
Food & Water Holders
Pigeon Supplies
Lice Powder
Roost Supports
Roofing Paper
Spray Pumps
Powder Guns
Wire Fencing
Bone Cutters
Chick Markers
Bone Mills
Root Cutters
Nest Eggs
Poultry Books
Etc., Etc.

Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.

An egg-turning device for incubators, invented by Alfred H. Nielsen, Minneapolis, has depending side-bars that rest on the rails that support the egg tray. In consequence the lower edges of all of the bars of the egg-turning

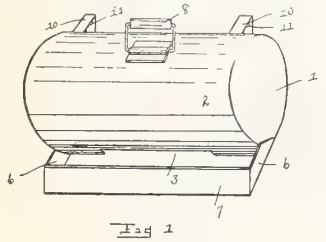


Fig 1

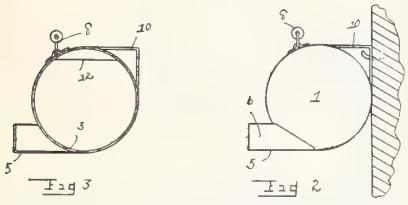


Fig 3 Fig 2

Watering device patented August 25th by George C. Eaton, Norwich, N. Y. No. 1,108,151.

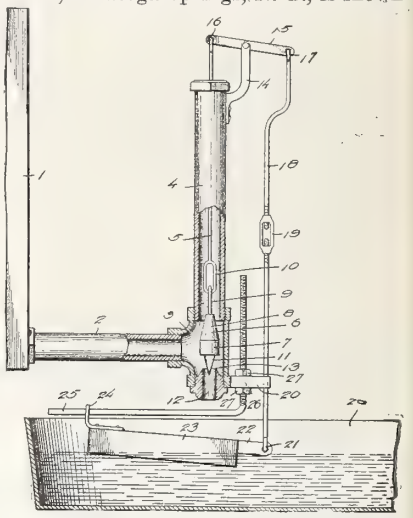
rack are raised above the screen of the egg tray. The rack therefore does not interfere with the even distribution and proper circulation of the hot air between and around the eggs. A rod attached to the egg-turning rack projects through an opening in the door or wall of the incubator so that the rack may be operated without opening up the incubator. Patent 1,107,201.

A poultry cooling and display rack, the joint invention of Samuel O. and John E. Wolfe, Angola, Ind., consists of a series of spaced spring fingers having their ends engaged in short slots in the upper portion of an L-shaped bar. The poultry is applied to the rack by pressing the legs of the fowls between adjacent spring fingers, the spring tension of which causes the shanks to grip the legs of the fowl and hold them suspended. Patent 1,108,055.

A chicken-feeder invented by Mary E. Strickler, Meadville, Mo., is cylindrical in form, with an annular shutter by which the size of the openings may be regulated to accommodate various sizes of chickens. The grain or feed is placed in a nearly conical-shaped hopper, from which it gradually flows to the broadly conical base of the feeder, so that the feed is automatically supplied to the chickens by gravity as it is required. A further feature of the invention is an annular channel for disinfectant and a wick threaded through apertures into and out of the channel, with exposed portions of the wick over the openings where the chickens feed. Patent 1,108,019.

A fireless hover devised by Louis H. Becker, Seymour, Ind., employs strips of cloth loosely depending from parallel rods as a means for protecting the chickens. The cover is removable. Patent 1,106,768.

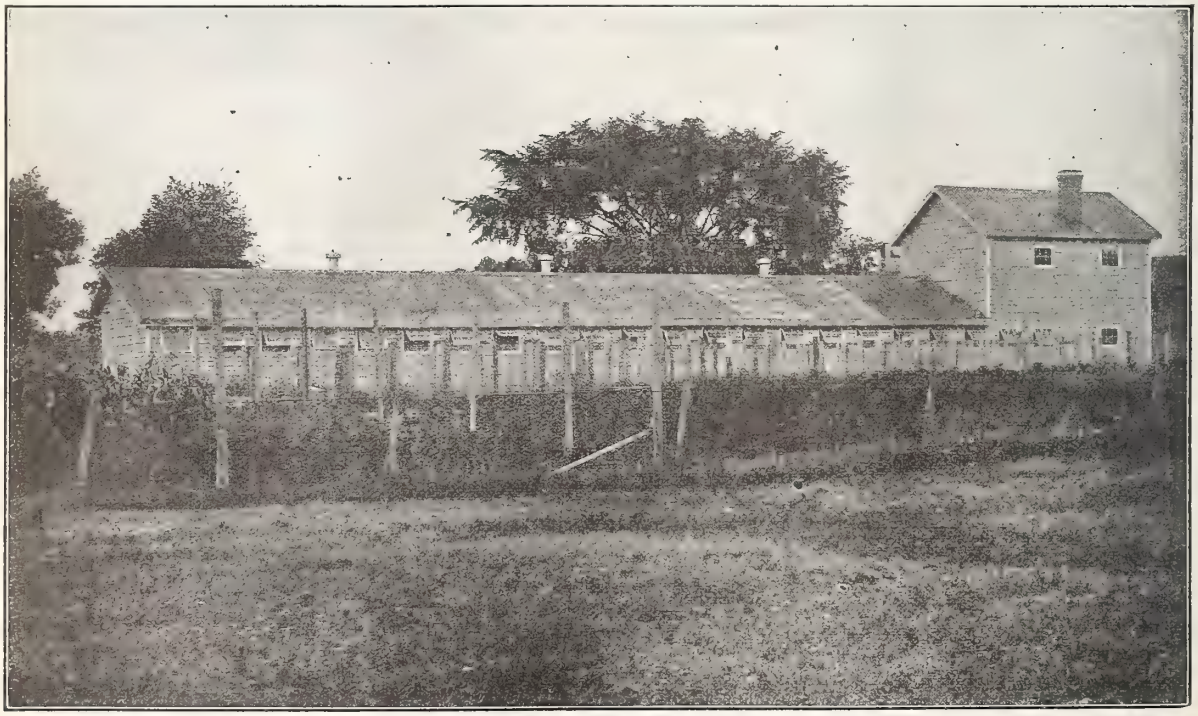
An ingenious automatic water-feed for poultry, the invention of Harry L. Davis, Saratoga Springs, N. Y., is shown



Automatic water feed for poultry patented August 14, by Harry L. Davis, Saratoga Springs, N. Y. No. 1,107,268.

in the accompanying illustration. The turnbuckle affords a means for adjusting the apparatus so that different depths of water may be constantly maintained in the pan. Patent 1,107,268.

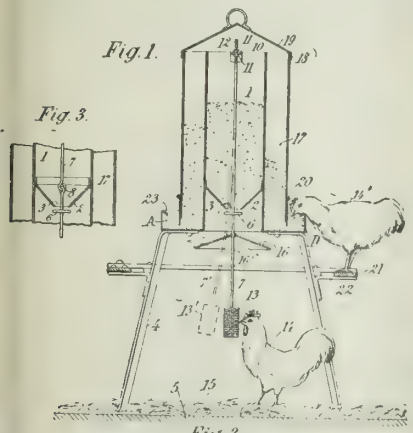
George C. Eaton, Norwich, N. Y., is

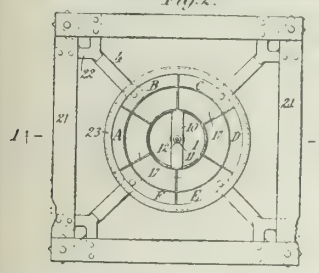


One of the Brooding Houses on the Granock Farms, Poughkeepsie, N. Y. This house has a capacity of 2,000 birds. Granock Farms make a specialty of exhibition and utility S. C. White Leghorns.

the inventor of a watering device for poultry. The body of the receptacle is cylindrical, with a trough projecting tangentially, to which water is supplied through a slit in the body of the receptacle. Opposite brackets with their sides tangential to the body of the receptacle act as a stop to prevent rolling of the device, or may be used in fastening it to the wall. Patent 1,108,151.

Joel M. Foster, Brown Mills, N. J., is the inventor of a poultry exerciser and feeder that is novel in having auxiliary feed troughs associated with an exercising feeder. Spillings from the feed troughs will fall within the zone of discharge of the spout from the scratch

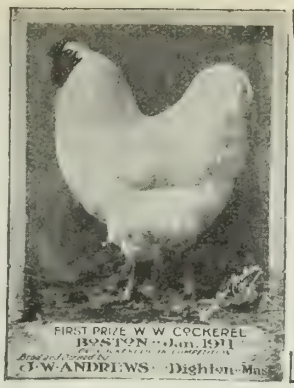




Feeder and exerciser patented August 25th by Joel M. Foster, Browns Mills, N. J. No. 1,108,566.

feed container. The fowl must fly up to platforms in order to reach the feed in the troughs. The inventor's idea is that feed falling in the litter will be consumed by birds attracted by the baited pendulum and exercising for the scratch feed, and that all spilled feed from the troughs will be promptly consumed with no danger of lying around until it is in an unfit condition for food. Patent 1,108,566.

James J. Harper, Defiance, Ohio, has patented an egg tester by which a tray of eggs may be tested rapidly. No. 1,108,364.



Andrews' White Wyandottes

HAVE WON MORE PRIZES THAN ANY OTHER STRAIN AT BOSTON

The White Wyandotte Show of America. Have a grand lot of youngsters ready to win. Write for prices on birds that can win anywhere in America. Fine breeding cocks, trios and pens for sale. 24-page illustrated catalog free.

J. W. ANDREWS, Box A, DIGHTON, MASS.



Foxhurst Farm Champion Bl. Orpingtons

Ready to Win Anywhere

Both young and old birds. **May 1st** hatched cockerels and pullets fully matured.

More wonderful than ever in size, type and color.

Remember

They were bred from our **World's Champions WHO** have **SWEPT** Madison Square Garden, New York, for the past **TWO** years and been largest winners for the past **SEVEN.**

ORDER NOW. Shipped on approval. Satisfaction guaranteed.

Foxhurst Farm, Lime Rock, Conn., U.S.A.



The Improved O. K. Drinking Fountain

This is the real Double Walled Fountain, made on the plan of the thermos bottle, and it protects the water from both heat and cold.

Let us send you our special circular on this article, and prove to you that it is the greatest improvement ever made in drinking fountains.

Also circulars describing several other new articles for the season of 1915. General catalogue will be issued later.

THE OAKES MFG. CO., Dept. B
Factory and Home Office, TIPTON, IND.
Eastern Branch, 64 Cliff St., New York Canadian Warehouse, Toronto, Ont



Whatglen S. C. Black Minorcas

MAKE A SWEEPING RECORD AT **NEW YORK STATE FAIR, 1914**

In a Monster Beauty Class of 125 Birds. The Best Known Lines in the Country Competing.

We Won **Cocks 1-2-3; Hens 1-3-4; Cockerels 1-2-3; Pullets 1-2; Old Pen 2; Young Pen 2-3; Best Display, etc.**

No record has been ever made that surpasses this in such competition. The answer is that our Black Minorcas are better than ever before. For sale now—300 choice hens at special prices. We also offer selected cocks and a fine lot of youngsters that can win for you. New catalogue October 1st, write for it.

Frank McGrann, Owner **Hiram Demmy, Supt.** **Lancaster, Pa.**

RED AND SPECKLED SUSSEX ADMITTED TO THE STANDARD.

WE are pleased to state that the great A. P. A. convention at Chicago, closed with Red and Speckled Sussex admitted to the Standard. This was done the last day. Dr. Woods failed to get them on the list in his article in the September A. P. J. A picture of a pair of Speckled will appear in the new edition of the American Standard. This will double the demand for the already very popular Red Sussex, and make the Speckled Sussex. Next year will see a great increase in the demand for the Speckled. Will you be ready to help out by raising as many as you can?

The question is often asked, "Wherein do Red Sussex differ from Single Comb Rhode Island Reds?" They differ in size and type, which are quite like the Rock, and the color of skin and shanks is white. The plumage is darker. The English Standard has no undercolor clause, but the American Standard will call for a grey and red undercolor in males, and grey in females. Using the grey undercolor is what produces that dark rich red and eliminates buff. A solid red hackle is now being produced, but a delicate striping on ends does not disqualify. A year or two of select breeding will have done away with any trace of black. The tail should be glossy green black, but a very red male with coppery colored tail will produce clear backed pullets when mated to very dark females.

The Standard weights are: Cock, 9 lbs.; hen, 7 lbs.; cockerel, 7½ lbs., and pullet, 6 lbs. It is easy to exceed these weights, especially in adult birds. The type of the Sussex females is right for heavy egg production, and the near future will see Sussex the nearest approach to the 300-egg hen yet before the poultry public.

The chicks outgrow, by actual test, any chick ever hatched, and are at a broiler age the soonest. Sussex will revolutionize the broiler business, and as soon as they can be raised in large enough numbers Red Sussex will stock the large utility farms. They have the staying qualities to make them last.

When we get a breed that will make good in any climate at any time and produce delicious meat and quantities of eggs, there is no question as to their becoming the most popular breed in their adopted country, as they now are in England.

If one wants a breed entirely different than the other fellows, and yet not sacrifice the utility qualities of Red Sussex, Speckled Sussex is it, and they are very beautiful, too. While red is the most popular color in America today, as any show room will bear out, the Speckled Sussex will fast become a close second. Green-black, white and red as bred on Speckled Sussex is so striking that even the indifferent will take notice of a flock of them.

Speckled Sussex, like the Reds, are great layers and equally as fast growers. They make beautiful dressed poultry, and like all white breeds, the meat is delicious, and pronounced the best by epicures.

The European war will prevent importing and it is up to America to supply the trade. At present the supply is limited and the first to realize it will be the fortunate ones to get started right.

H. H. Coburn.

Marysville, Mich.

—o—

IMPORTANT.

In answering advertisements, our subscribers should take particular pains to write their names and addresses plainly and make it plain just what way they desire their goods shipped. This will prevent delays, errors and misunderstandings. In all cases please mention American Poultry Journal.

BLUE ORPINGTONS :: SILVER CAMPINES

Though we are at war I have obtained a special permit from our privy council to export exhibition birds to America. I can therefore undertake to land in New York (alive) any orders entrusted to me. I have won more prizes with Blue Orpingtons this season, sometimes competing against the best Blacks, Buffs and Whites seen out, than almost all the Blue Orpington breeders put together. If you want to win at any show in Blues I can supply you. Every Blue Orpington I have shipped to America to win has done so. In Campines exported to America the wins were greater, as I shipped a greater number. Write me your requirements and size of competition, and I will quote you by return mail. Mention American Poultry Journal.

Max de Bathe :: **Vice-President English Poultry Club** :: **Hartley Court, Reading, England**

UTILITY AIM OF RED SUSSEX FARMS'

RED SUSSEX SPECKLED

CHAMPION STRAIN

Winners at **Crystal Palace and Dairy Shows**, leading all other strains. Nearest approach to the

300-EGG HEN

Try it out with a trio. Hens lay while in molt. **Egg customers** report chix fastest growers—Sussex make quickest broilers and roasters—Produced at smallest cost. **Red and Speckled Sussex admitted to the standard DEMAND DOUBLED.** War puts it up to America to supply the demand—**SUPPLY LIMITED.**

OUR OFFERING

RED SUSSEX

Young stock sired by best males in England or America, Red Prince, Red Champion, Dairy King, Palace Borjeck. Great value in cockerels, also imported acclimated yearlings.

SPECKLED SUSSEX

Sired by Palace Rainbow and Palace Champion, finest speckled males England ever exported. Great value in cockerels. Very limited number.

Write for prices on trio and cockerels. Special pens mated for **southern egg trade,** settings and 100 lots. We guarantee satisfaction. Mention American Poultry Journal.

Red Sussex Farms Myron W. Mills, Proprietor H. H. Coburn, Manager **Marysville, Michigan**

TIMELY POULTRY TOPICS.

BY PLUMMER M'CULLOUGH.

WE have been putting up a fight against lice for the past few days. One of our colony houses had not been cleaned out for some time. We were so very busy with farm work that we were compelled to neglect such little jobs for a while, and this one colony house that had housed a pen of breeding birds the past season and, in fact, it still houses them, as this house is down along the pasture field with running water very handy, and it made a splendid place for a pen of breeders. They laid splendid all spring and summer, but for a short time past have let up on the egg yield considerable. This was nothing unusual in very hot weather and I thought little of it. However, upon making an examination a few days ago I found quite a number of lice sticking under the roosts, and this always puts me to work right away.

The first thing I did was to clean all litter and droppings out of the house, and then I removed the roosts, the nest boxes, the food hoppers and everything that was loose that was in the house. I then mixed up several gallons of Zenoleum and with a brush I was ready for business. I prefer a good hand sprayer for putting it on with, but mine was out of working order and I made a wide whitewash brush answer the purpose. I made the Zenoleum somewhat stronger than the directions called for such work, as I wanted it to be effective, and I went all over the walls, in the corners and in every crack and crevice where I thought a louse could squeeze in. I then thoroughly went over the roosts, nest boxes and hopper in the same manner. After I was thru going over the side walls there was enough disinfectant that had run down the side of the walls to wet the floor nearly all over and this made it that the whole inside of the house was thoroughly covered with a good coat of Zenoleum, and I don't believe you can find a louse or mite in the house alive today. I will give it another going over in a week or ten days to kill any new arrivals that might have appeared.

I don't believe there is anything better for a spray or disinfectant than Zenoleum. I have used it three seasons now with absolute satisfaction.

There is one thing that we must do with any louse-killer if we expect it to do us much good, and that is to use it freely. We cannot expect any of them to kill the lice if we fail to put it on. If we leave it in the can just as we got it and fail to do our part, we will have just as much trouble with lice as if we didn't have the louse-killer. Don't be afraid of getting your hands stunk up a little. It will all come off again, and if you are so stylish that you cannot handle any kind of disinfectant, then I would advise you to get out of the poultry business soon.

* * *

Our friend D. Lincoln Orr in R. P. J. makes it plain to his readers that if he is called to judge any poultry shows in the future he will not disqualify a bird for down between toes. On the other hand, if the bird is worthy he will pull out the down and award the bird a prize. Mr. Orr holds that it is wrong to disqualify an otherwise good bird for a mere bit of down betwen toes, and in this Mr. Orr is, I think, entirely right. The A. P. A. made a mistake when they made down between toes a disqualification in clean shanked varieties. In my opinion it should be a defect, but not a disqualification. However, the present Standard makes it a disqualification, and until it is changed I believe we should apply this disquali-

Again SWEEPSTAKE CHAMPIONS Certainly

THE FROST WHITE STRAIN **S. C. WHITE LEGHORNS**

At the Great Illinois State Fair, September 21-26, 1914, we entered 38 Leghorns; 31 were prize winners.

Cocks, 1st, 2d, 4th Hens, 1st, 2d, 3d, 4th, 5th Cockerels, 3d, 4th Pullet, 4th Old Pen, 1st, 2d Young Pen, 1st, 3d

We are prepared to furnish winners for any fair or show.

The Willows Poultry Farm, Frank E. Hering, Prop., Box 488, South Bend, Indiana

A Record Unequalled We have been telling you all season, we had more and better quality birds to sell this season than ever before. As a positive proof of this fact, our winnings at the recent **Great Cleveland, Iowa State, Michigan State and Indiana State Fairs** has been such that it has startled the Poultry Fraternity as never has such a record been equaled.

United Poultry Farms

INCORPORATED

COOK'S
ORPINGTONS
All varieties. 20 First Prizes, 6 Seconds, 1 Third.

U. R. FISHEL'S
WHITE PLYMOUTH ROCKS
19 First Prizes, 13 Seconds, 8 Thirds.

BUSCHMANN-PIERCE RED FARMS
RHODE ISLAND REDS
Rose and S. C. 13 Firsts, 10 Seconds, 7 Thirds.

J. C. FISHEL & SON
WHITE WYANDOTTES
16 First Prizes, 13 Seconds, 8 Thirds.

C. E. SPAUGH'S
BARRED PLYMOUTH ROCKS
13 First Prizes, 5 Seconds, 7 Thirds

SINGLE COMB
WHITE LEGHORNS
Exhibited 4 Birds at Indiana State Fair First Cockerel, Second Cock, Third Hen and Pullet.

WM. COOK & SONS
Originators
Scotch Plains, N. J.

U. R. FISHEL
Hope, Indiana

BUSCHMANN-PIERCE RED FARMS
825 State Life Bldg.
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Hope, Indiana

White Runner Ducks
None Better

We exhibited no Reds at Cleveland, no Orpingtons at Iowa, no Leghorns at Michigan or Iowa. We exhibited a different string of birds at each Fair, proving the fact that we have more good birds than ever before.

In union there is strength and no where is it better proven than in the United Poultry Farms. Our savings in expenses is beyond expectation. We are therefore in posititon to furnish you **Exhibition Birds, Selected Breeders,** or the **Best** of **Utility Fowls** at **greatly reduced prices.** Send for our **Sale Lists**—they are free. State variety you are interested in.

Our Service Department is in position to secure for you anything you want in **Fancy Poultry, Ornamental Birds, or Dogs.** A pleased customer every time has been our motto for the past thirty years. Write us your wants please.

ADDRESS BOX A, INDIVIDUAL FARMS, OR

SCOTCH PLAINS, N. J. **UNITED POULTRY FARMS, Inc.** HOPE, INDIANA

PAYNE BROS.' R. C. R. I. REDS
Are Ready

We are offering at reasonable prices the finest lot of Cocks, Hens, Cockerels and Pullets we ever raised. All bred from our winners at Madison Square Garden, Boston, etc. Correspondence solicited. Catalogue Free.

PAYNE BROS. Box J **PORTLAND, CONN.**

"World's Best" "Canada's Best"

S. C. BLACK Minorcas S. C. R. I. Reds

Please send for my sale list and testimonials also list of prizes won which are convincing proof that our S. C. Black Minorcas are the "World's Best" and our S. C. R. I. Reds are "Canada's Best." We exhibited last month at Canada's two greatest fall shows, Toronto National Exhibition and London. We won at

TORONTO on S. C. Black Minorcas		LONDON on S. C. Black Minorcas	
Cock, 1st and 4th	Hen, 1st and 3d	Cock, 1st, 2d and 3d	Hen, 1st, 2d and 3d
Cockerel, 1st, 2d and 3d	Pullet, 1st, 2d and 3d	Cockerel, 1st, 2d and 3d	Pullet, 1st, 2d and 3d
S. C. Rhode Island Reds		**S. C. Rhode Island Reds**	
Cock, 1st	Hen, 5th	Cock, 1st	Hen, 2d
Cockerel, 1st	Pullet, 1st and 4th	Cockerel, 1st	Pullet 1st and 2d

All our winners at reasonable prices. Cockerels $3.00 to $25.00. Pullets $2.00 to $20.00 and no reserve.

T. A. FAULDS President of Black Minorca Club of Canada **London, Ontario, Canada**

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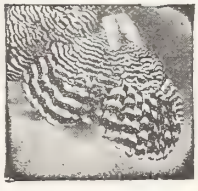


WON AT 144 SHOWS

in the hands of my customers—season 1913-14. Think of it—**144 SHOWS**—including many of the **LARGEST NATIONAL SHOWS** in all America and Europe—competing with the best Barred Rocks of the biggest breeders in the world. Now I have

2500 SHOWBIRDS

getting ready for this winter's shows. They are undoubtedly the most **sensational** Barred Rocks ever produced. Do you need a cockbird, a cockerel, a pullet, a hen, a pen—to **win** with? Write me **today**, telling me clearly just what you are looking for.



"Every Showbird Guaranteed"

W. D. HOLTERMAN, Fancier, Box A, FORT WAYNE, INDIANA

HALBACH'S
WHITE PLYMOUTH
ROCKS

won the most decisive, unapproached victory at the greatest of all shows—

The Coliseum Show, Chicago, 1913

1-2-3-4 Cock
1-2-3-4 Hen
1-2-3-4 Cockerel
1-2-4 Pullet
1-2-3 Old Pen
1-2-3 Young Pen



This was the FIFTH TIME winning BEST DISPLAY.

Cocks or hens, cockerels or pullets that will win for you. Thousands to select from. SUPERB in shape, WONDERFUL in color, OUTSTANDING in style and size. Egg machines that will produce the eggs. My policy is to give the biggest value for your money. Write me your wants.

For further information about records, breeding, care, etc., send 20 cents for my grand art catalog.

H. W. HALBACH **Route 1** **WATERFORD, WIS.**

fication just as we do any of the others. I can see no reason for pulling out the down and awarding the bird a prize, as that will not remove the disqualification from the Standard. What Mr. Orr wants to do is to go to work and get this foolish disqualification knocked from the Standard. By so doing you can bring about this reform much quicker and I believe much better than simply ignoring the Standard. I don't like that idea at all. If we could all simply ignore the Standard in certain disqualifications that don't suit us, where would this business end? For instance, I never thought it hardly fair that Wyandottes should be allowed one-quarter white in ear lobes and Plymouth Rocks to be disqualified for a bit of white as large as a pin head. According to Mr. Orr's plan, I would give the prize to a Rock even if it had



The above is a photo of the head of "Gallant," a noted Single Comb White Leghorn male on the Granock Farms, Poughkeepsie, N. Y.

some white in ear lobes, and there are others who might think that it was wrong to disqualify a Barred Rock for a mere bit of red about the size of a nail head, but nevertheless it is a disqualification, and if we ignore it and pay no attention to what the Standard says regarding it, we are simply not living up to the Standard. I can't see for the life of me what the use is of having a Standard if we are not going to apply the whole of it. I am not fond of disqualifying an exhibitor's birds, as some think—in fact, I would much rather not find a disqualified bird in the entire show, but if I do find one and it is disqualified, even for down between toes, I believe it is my duty to throw it out. I always thought that a judge should follow the Standard closely, even if it didn't always agree with his own personal ideas. The association that hires a judge expects him to judge according to the Standard, and hires him for this purpose, and not to put into practice any of his pet ideas. At least, this has always been my own opinion. I hope Mr. Orr will succeed in getting this measly disqualification erased from the Standard, and I would be just as glad to see it go as he, but until it is put out in a proper way we must make use of it.

* * *

There are many methods of feeding chicks, but I believe if anyone will give hopper feeding a trial once they will not want to go back to any of the methods of hand feeding. The past few years we have followed the hopper

method of feeding, and I want to say it is far ahead of the old method of hand feeding. If the chicks have a good supply of food where they can get at it whenever they want it, they will grow up much more uniform than if they were given a stuffing two or three times a day. The great trouble with hand feeding is that the strongest chicks get most of the food, and if the smaller or weaker ones get any at all they are half tramped to death in getting it. For the chicks I have always used the common wall hoppers, but I believe for feeding grain the new automatic feeders would be much better. Last spring I used two automatic grain feeders in two of my breeding pens, and I was highly pleased with them. I consider them a great labor saver, and then, too, the birds can get the food whenever they want it, which is a great advantage. As soon as I can afford it I want to be able to feed all our stock with these automatic feeders, as I think they are one of the best feeders made, and I can highly recommend them to poultry raisers who cannot take the necessary time to feed properly by hand.

* * *

It was always a puzzle to me to see how particular some of our poultry magazines are about some articles sent them by breeders. They will not publish anything but what is "real good," but to fill up their pages they will often print a lot of old stuff that is so stale that you can taste the must on it as you read it. The paper that has space to publish a lot of rot like this should not refuse any real stuff even if it is written by a busy farmer or poultryman.

* * *

We are glad to learn that F. W. Corey has returned to the East and will help place the awards at some of the leading shows this season.

* * *

Chas. T. Cornman has little use for the bleaching of white birds for exhibition purposes, according to his recent article in the Poultry Item. Among other things Mr. Cornman says: "I can take a bird, bleach it with acid, wash it in water colored with bluing and win in the largest shows in America, and the man showing a bird in its 'natural condition' equally as good in all Standard requirements cannot win a ribbon because he either has not learned the trick or is too honest to apply it."

While it is true that many breeders do bleach birds, I don't believe it always is a fact that every or nearly every winner in our leading show is bleached. There are a certain class of white birds which are dead white at all times, and these birds are not improved by anything but washing and properly conditioning. The fact of the matter is that a great many of the men who are making such a big fuss about

$1 A Dollar Bill $1

Brings This Quarter-Bushel Feeder to You!



Since automatic poultry feeders were first introduced there has been a crying demand for a high-class feeder at a low price.

Realizing this, we have for the past year been perfecting a feeder that embodies all that any other feeder does and just a little bit more.

We have tested it and in each and every case it was pronounced perfect—not one single fault could be found—therefore we have given it the title of the

SIMPLEX Faultless Feeder

The Feeder Without a Fault

Patent Applied For

This feeder will not clog—the wind cannot operate it—it insures proper feeding—decreases feed bills and increases egg production. Bait bar operates rotary, thus scattering the feed thoroughly. Feeds anything from whole corn to millet seed. Made of best grade of galvanized iron—no parts to break, become loosened or get out of order, there being not one particle of solder used throughout its entire construction.

Read this guarantee—then order. If you are not entirely satisfied with this feeder you may return it within thirty days and we will refund your money.

THIS FEEDER IS MADE IN THREE SIZES

Quarter-Bushel, $1.00 Half-Bushel, $1.50 One-Bushel, $2.00

WE STRIVE TO DO THE IMPOSSIBLE—PLEASE EVERYONE

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SIMPLEX SUPPLY HOUSE, Pontiax Bldg., CHICAGO, ILL.,

if your dealer does not carry them in stock. This is just one of our many poultry appliances. Send for complete catalog. We save you money and transportation charges.

S. C. Rhode Island Reds

THE GENUINE RED RAVEN STRAIN

Our pens contain some of the best Reds exhibited; winners at the great shows— New York, Boston and Chicago. Hens and pullets, $1.50, $2.00 and $3.00. Special prices on 12 or more. Cockerels $2.00, $5.00, $10.00.

BRIDGWATER POULTRY FARM Geo. Demlow, Prop. LIBERTYVILLE, ILL.

French's Poultry Mustard

The Original Poultry Mustard in America. Absolutely pure and prepared to produce most excellent results. Used and highly recommended by thousands of breeders, fanciers and practical poultrymen the world over.

Can Be Fed Any Time of the Year

Most satisfactory results have been obtained by its liberal and constant use. It stimulates and invigorates. It rebuilds and strengthens lost and waste tissues; It SHORTENS THE MOULTING PERIOD, and starts the hens laying. A fair trial will convince you of its worth. Avoid counterfeits and don't accept substitutes. Insist upon having **French's Poultry Mustard.** Buy it from your dealer, or send to us direct.

Our 32-page booklet giving Mr. Ralph Allen's experiments in England, together with other articles on Mustard and testimonials from prominent poultry raisers is sent free of charge for the asking. Write for this today. Address

The R. T. French Co. Department A **Rochester, N. Y.**

Exhibition Stock That Can Win the Blue For the Fall Fairs and Winter Shows

Remember you can buy our BEST as we will not show this year. We make a specialty of conditioning birds for the show room without extra charge, and will guarantee satisfaction. A few more of those extra good layers at prices that will move them. You need our stock, we need room and money. Good Squab Breeding Homers guaranteed mated.

MARYLAND LEGHORN FARM Wm. C. Bowman Box A CAMBRIDGE, MD.

Wilburtha POULTRY FARMS

C. J. FISK, Owner WM. D. CAMPBELL, Supt.

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THE BEST ALL-AROUND STRAINS OF THE BEST ALL-AROUND BREEDS

—that's the enviable reputation held by Wilburtha birds. Our

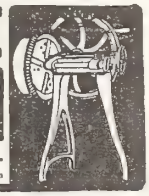
COLUMBIAN WYANDOTTES
COLUMBIAN PLYMOUTH ROCKS
PARTRIDGE PLYMOUTH ROCKS
S. C. BUFF & WHITE LEGHORNS

are winners at the shows and, besides, are the best profit producers in the poultry yard. These birds are large, heavy, healthy and full of stamina—beautiful yet intensely practical. Write for free descriptive circular and mating list.

BONE CUTTER FREE

Every poultry-raiser needs a "Dandy" Green Bone Cutter. Cut green bone keeps fowls healthy, vigorous and productive. It is a wonderful food for increasing the egg supply and for pushing the growing chicks. The "Dandy" prepares the bone fresh every day—just right for feeding to best advantage. It feeds the bone to cutters automatically and is the easiest running, fastest cutter made. Write for catalog. STRATTON MFG. CO., Box 17, Erie, Penna.

ON TRIAL FOR 15 DAYS



Fairfield White Rocks

Win wherever shown. We have a large lot of young stock for sale. Also choice show birds, both male and female. Write for prices. Satisfaction guaranteed.

FAIRFIELD POULTRY FARM

H. W. Schnitzer, Prop. Fairton, New Jersey

Closing-Out Sale



WHITE ROCKS 300 choice birds, cocks, cockerels, pullets and hens at sacrificing prices. Everything must go quickly. Write us your wants. Any number of absolutely chalk white birds. Good enough to win the blue in strongest competition. Let us give description of the birds you want. The price will be right. All birds shipped subject to approval. Money back plan if not satisfied. Write now while our stock is large. **Black Orpingtons**—200 S. C. Black Orpingtons, many will make winners most anywhere. Must sell every Black we have within sixty days. Tell us if you want cock, cockerel, hen or pullet and let us quote you our best prices. We will ship any order C. O. D. if we have a deposit of $2.00. Write today.

Goshen Poultry Farms, R. 7, Goshen, Indiana

"O.K." Poultry Litter

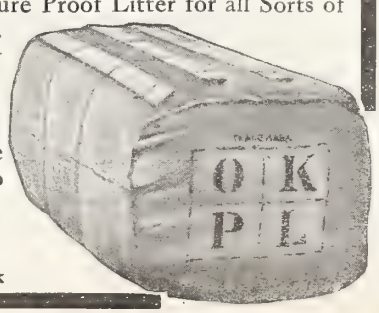
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if you are not already familiar with O. K. Poultry Litter, the Best, Most Economical, Sanitary and Moisture Proof Litter for all Sorts of Poultry Houses and Pens. With "O. K." your house needs cleaning out only once in 3 or 4 months and yet is

Always Clean, Dry, Sweet

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Dept. 183 157 Water St. New York

bleaching birds have never been able to breed them so they will stay white. There are a lot of people in this country that don't know what a real good white bird is. I am not meaning Mr. Cornman, as he is a good judge of any variety, but I say there are people who do not know this fact and some of them pretend to be authorities, too. I tell you, friends, when you get a real dead white bird that is bred white and that will stay white thru moult and all thru the summer, you have a bird that will not need much bleaching. It is true, I am sorry to say, that there are some people who resort to using acids to bleach creamy or brassy birds, and I, like Mr. Cornman, would be very glad to see such work stopped, and the sooner it is done the better for all concerned, but still I believe the man that has a real dead white bird that is free from any creaminess or brassiness will not need to stay at home from the shows on account of meeting the bleached birds. At least I hope that he will not do so.

* * *

For the past season we have had a small pen of Black Leghorns. We got these birds more for experimenting than anything else, and I am at a loss to know why they are not more popular. They are splendid layers, fast growers and a very beautiful fowl. Really if I was a beginner I would take up some of these old neglected varieties like Black Leghorns, Dominiques, Red Caps, Javas and a few more, than I would some of the newer varieties. There is room for some one to do something along this line.

* * *

Every year shows a few new poultry shows starting up and in nearly every one of these shows there are a lot of silver cups given as specials. While a few silver cups are all right and while they look nice, I do believe that there are many things that could be given as specials that would be of much more use to the average poultryman than silver cups. This is especially true of the smaller shows where the exhibitors are nearly all poor people. You know silver cups are not going to buy us our bread and butter. Fencing is something that every poultryman needs, and a special of a ten or twenty rod bale of fencing would do the average exhibitor more real good than a silver cup. Food hoppers, drinking fountains, portable hovers, brood coops, exhibition coops, small incubators and dozens of other articles that a poultryman could make real use of would, I believe, be of more real use to us than so many silver cups. Think this matter over.

Read page 1207



SPIRALETS

Celluloid Leg Bands

10 colors, all sizes. Doz. 18 cents, 50-50 cents, 100-90 cents postpaid. Trade supplied.

WINGLOCKERS—New. Prevent flying. 4 foot fence sufficient for lightest breeds. Save money on wire netting. 10 cents each.

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S. C. Buff Leghorns for 25 years
Columbian Rocks for 9 years

Finest lot of young stock for sale I ever offered in breeders or show stock. Price and quality guaranteed.

J. Quincy Dawson Dept. D Coshocton, Ohio

CURRENT NEWS OF THE POULTRY WORLD.

By J. F. Schureman.

C. J. Schulz, state superintendent of public instruction of Minnesota, reports that poultry keeping is now taught in all the high schools of that state in which there are agricultural departments, or a total of 107 schools. The importance of the poultry industry and of a knowledge of poultry culture seems to have impressed itself upon the authorities of that state.

J. D. Heck, of Drakesboro, Ky., owns a gander which he claims was hatched in 1881 and a goose that was hatched in 1884. If Mr. Heck's statement is true—and he claims he can prove it—the gander is 33 years old and the goose 30 years old.

According to a report just issued, the state of Michigan has a poultry population of 13,654,838, with a value estimated at $7,678,012, counting only the poultry on Michigan farms. The count, which was made by the Michigan Agricultural College, was made by taking the figures gathered during the last census and adding to them a sum equivalent to a 37 per cent increase in the five years since 1909.

Ten buildings, including the big poultry exhibition building, on the Wisconsin State Fair grounds at Milwaukee were destroyed by fire in the first week in August, entailing a loss of nearly $100,000. The origin of the fire is unknown and an investigation is being made by the state officials. It is supposed to have been of incendiary origin. The annual state fair will be held in spite of the destruction of the buildings.

J. E. Ford, of Wichita, Kans., has a Barred Plymouth Rock pullet that was hatched the latter part of February and began laying the middle of July, laying her first egg when 4 months and 10 days old.

A new building 75 by 100 feet in size is being erected in Houston, Tex., by the No-Tsu-Oh Association of Houston, in which to hold the annual exhibitions of the South Texas Poultry and Pet Stock Association. The building will be well lighted and ventilated and will be one of the most up-to-date poultry exhibitions in the country.

The poultry flocks in the vicinity of Hurrfville, Pa., have been attacked by a strange disease hitherto unknown in the poultry world. One farmer who picked up 30 dead chicks in an hour claims that the birds showed no symp-



White Leghorns—YESTERLAID Strain Pullets lay at 4½ months. Bought by 20 Experiment Stations. All stud males grand-dam record of more than 440 eggs in 2 years. Prices very reasonable. Our methods bring success. Details free. YESTERLAID EGG FARMS CO., Dept. 5, PACIFIC, MISSOURI.

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Breeders and Young Stock now on sale.
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S. C. Wh. Orpingtons R. C. R. I. Reds
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In the New York State Fair our Reds are winners. As usual we are in the winning in one of the largest showing of Reds ever placed on exhibition. We win on cock, cockerel, pen Rose Combs. Special for the best marked wing on pullet in this great quality show of Reds—Our Single Comb pullet. If you want quality come to us. Mention American Poultry Journal.
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I will now sell a lot of my breeding birds at reduced prices to make room for growing young stock. These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder desiring choice exhibition and quality birds. I sell in lots and quantity to suit, and assure absolute satisfaction. Selected Breeding Cockerels, $5, $7.50, $10, $15. Selected Breeding Pullets, $3, $4, $5 to $10. Trios, $10 up. Pens, $15 up. A Special Pen of Male and 4 Females, $25. Remember I select and mate all birds sold. Write me your wants. Eggs for hatching. Write for free catalogue.
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Orpingtons

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Are the kind you want. They are bred right, they look right, they are right. They were the ribbon winners at the
BUFFALO SHOW
Winning 1st and 3rd pullet; 2nd and 5th pen and 5th cockerel in 1913, and 2nd cockerel, 4th and 5th pullet, 1914.
White Wyandottes are superior table fowl and wonderful layers. Handsome cocks, cockerels, hens, pullets and pens for sale. If you want something that can win, or that will breed winners, try my prize winning White Wyandottes. Satisfaction guaranteed.
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Read page 1207---do it right now! HURRY UP!!

toms of the malady until a few minutes before they died. Another breeder who lost 200 in a single day expressed the belief that it was some form of heart disease, while others say it is apoplexy. Poultry specialists who have made an investigation are unable to account for the sudden deaths of the birds or to name the disease.

B. F. Cook, formerly a commercial traveling man of Spokane, but who now owns and operates a poultry farm near Chewelah, Wash., has an Indian Runner duck hen that is sure making some laying record if reports are true. Mr. Cook claims that this duck has laid two eggs in a single day on at least twenty occasions. He says she laid two eggs a day for five consecutive days, then for several days laid two every otner day and one on the alternate day, and then changed the program by laying two eggs one day, one the next and none the third day. She kept this up until she had laid two eggs in a single day on twenty days. Next!

The poultry associations of the state of Washington have been hit a hard blow by the decision of the State Supreme Court declaring the law allowing county commissioners to make grants to county fairs and poultry associations invalid. The law, which was passed eight years ago, empowered the commissioners of each county to appropriate $250 to each county fair and poultry association. The knocking out of this law will work a hardship on many of the poultry associations of the state, especially the smaller ones.

The poultry breeders of Connecticut are the first to have their hens tested for ovarian infection by state experts, who have discovered a method for detecting its presence. In the not far distant future a certificate of health for every flock may be required before the owner can make interstate shipments of either poultry or eggs for hatching.

Frank Dilla has sold his poultry plant, located at Jackson, Mich., together with the stock, to Horace DeLisser, of Long Island, N. Y., who will continue the business. This is one of the most up-to-date poultry plants in southern Michigan.

The buildings on the poultry ranch of A. J. Palutois, located near Ramona Park, St. Louis county, Mo., were recently destroyed by fire, together with 2,000 chickens, all high-bred stock and many of them imported. The loss on the buildings was $4,000. A gasoline engine exploded, setting fire to the buildings.

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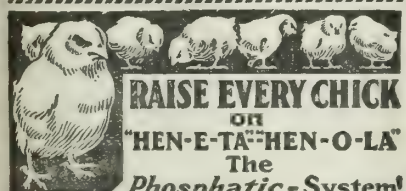
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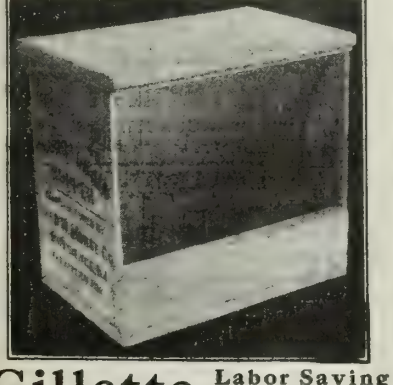
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FRED W. MORSE CO., Mfrs., Providence, R. I.

THE NEW YORK STATE FAIR.

Seventy-Fourth Annual Exhibit Is Greater Than All Predecessors. The Poultry Exhibit the Feature Show—Ideal Conditions and Management.

For several years the poultry display at the New York State Fair has been climbing and reaching for the record marks; year by year great displays have been seen and each year seemed the climax of that which could be accomplished. But the end or limit had not been reached and those who fortunately saw this year's show saw the largest and best exhibit ever held at this great fair and most probably the best ever shown at any fall show.

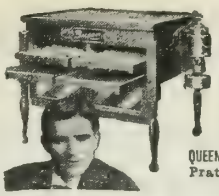
To Superintendent Wm. H. Manning every consideration and credit are due, he attracts like a magnet and the breeders and visitors alike feel glad they came. His work has been along the uplift lines and will ever remain as a brilliant example of what is possible to accomplish. To the commissioner in charge, Mr. Geo. W. Driscoll, also mention is due, for he has labored along with Mr. Manning with unusual ability. These are also the men that the poultry breeders can thank for having the new poultry building, one of the largest and finest in the country. This building is an ideal, made of brick, iron and concrete, with excellent light, ventilation, new coops, etc., of which we wrote last year. Mr. W. M. Anderson assisted Mr. Manning as superintendent, a born poultry fancier, a tireless worker and a grand good fellow in every way. We did not hear the slightest protest or bit of discontent of any kind. The judging was classy and all happy.

The total entries numbered 3,432, and with the pens and displays included there were easily 6,000 or more specimens shown. There were 338 Plymouth Rocks, 493 Wyandottes, 440 R. I. Reds, 96 Brahmas, 105 Langshans, 667 Leghorns, 279 Minorcas, 98 Anconas, 328 Orpingtons, 154 Campines, 664 Bantams, 35 Turkeys, 440 Ducks, etc. These were the leading classes, others were in good proportion, making a very complete display with usual grand quality.

This year again found many of our best known breeders contending for awards and competition was of the very strongest in all the classes; records were made, and as you read of them consider them made under the best and greatest possible test for quality and give to the winners the credit due for a mention of any kind here was an assurance of great worth and merit.

The Owen Farms, Vineyard Haven, Mass., with Mr. M. F. Delano in personal charge, exhibited in their several varieties and made a marvelous record, for they breed the popular varieties in which the strongest competition is to be had. In White Rocks they won Cock 2-3, Hen 1-2, Cockerel 1-3, Pullet 1-2, Old Pen 1, Young Pen 1. White Wyandottes, Hen 4, Pullet 2, Old Pen 1, Young Pen 2. S. C. Reds, Cockerels 1-2-5, Hen 3, Pullet 4, Old Pen 5. S. C. White Orpingtons, Cock 1, Hens 1-2, Cockerels 3-4-5, Pullets 1-2-5, Old Pen 1, Young Pen 1. Mr. Delano also won the Display Specials on White Rocks and Orpingtons, the Wm. H. Manning $100 Cup for best 10 birds in the show of any one variety, the Park & Pollard $100 Silver Cup and several other cups and cash specials. We have followed this line closely for years and can well say they are better and have more promise in them now than ever before. The Owen Farm quality and condition is evident as never before and Mr. Delano is to be congratulated on results attained. His win of 1-2-5 in S. C. Red Cockerels in a class of 32 birds shown by several of our best-known breeders is a record. These birds were of the one grand type, nice long backs, well carried, fine bodies and extra fine heads, color brilliant, sound and even, a win of exceptional merit and value. Mr. Delano assured us he had a great lot of choice birds in all varieties to sell and win for his customers.

Mr. J. S. Martin, the White Wyandotte wizard of Port Dover, Ont., made his usual clean-up here that he has been in the habit of making ever since the year *One*. This year he had a larger and stronger class to compete against, but it is all the same to him, he sends his birds year after year and takes back gold, cups, ribbons and the good will of thousands of friends and fanciers. Happy Jack Martin, as the boys are pleased to call him, won Cocks 1-2-3-4, Hens 1-2-3, Cockerels 1-2-3-4-5, Pullets 1-3-4-5, Old Pen 2-3-4, Young Pen 1-3-4, Best Display, Rancocas Cup for best 10 Wyandottes any variety, Club Cup for best four birds, etc. Here again we noted the wonderful sameness of the birds in this line. They match one another, look alike and have the same gentle disposition, combs always a feature in this



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Tell which are yearling hens and which are two year olds. For laying purposes it does not pay to keep hens after the second laying season. The pullets and the yearlings are the profit makers.
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Our bands are made from heavy aluminum, have smooth edges, locks with double clamps, are numbered with large RAISED FIGURES.
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The Capital Adjustable

$1500 Worth of Chicks Raised Around One Stove



by the Duplex System of Colony Brooding, is the report of one of the country's big poultrymen.
This wonderful method of brooding is the only logical and practical way to Save Every Healthy Chick Hatched; if free from organic disease; Bring Them All to Maturity, Positively Eliminate White Diarrhoea and Cut Out All Drudgery Connected With Brooding.
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Duplex Combined Brooder Stove and Ventilator
is easy to operate and perfectly satisfactory with results."
This is the stove that **will not smoke or throw off fumes**—has regulator that **controls flow of oil—keeps temperature at correct point—heats and ventilates perfectly** at all times.
Made in 3 sizes to meet all requirements. To get further information about the Duplex System
Send for Free Book on Brooding
and learn how to Cut Labor and Expense of Poultry Raising in Half, as well as to Keep Chicks Healthy and Alive Until Maturity. Other interesting literature free.
Write and get the facts. Our testimonials are worth reading and will help you.
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130-Egg Incubator and Brooder
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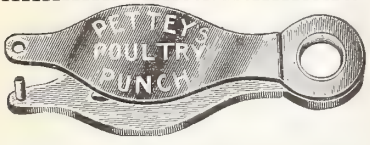


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Cramer's Regal Reds

R. C. Rhode Island Reds Exclusively
Bean and Prickett Strains

We are now booking orders for show birds and can fill your wants for early shows. Also utility stock for sale. Write us. Mention A. P. J.

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A MILLION HENS USE
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Shows which Hen Laid the Egg

New Principle, 100 Per Cent Efficient

F. O. Wellcome Box J Yarmouth, Me.
Write NOW for prices and proof.

line, with clear red eyes, sound yellow legs and the whitest of white plumage. The birds were in the best possible condition. It is hardly fair to select any one bird or birds for special mention from a worthy display of this kind, as all deserve mention, but we will jump the bounds just to say that the four cocks shown were models of highest type; just alike in style, heads and finish, and the four best we have ever seen in a show room at this season of the year. The First Pullet a living example of what a Wyandotte should be.

The Rancocas Poultry Farms, Brown's Mills, N. J., made their first display and notable win here last season and came back for more honors which they won in White Rocks and S. C. White Leghorns. As usual this line was, thanks to Manager M. L. Chapman, in most perfect condition, but their White Rocks hardly in best feather. In Rocks they won Cock 1-4-5, Hens 3-4, Cockerels 2-4-5, Pullets 4, Old Pen 2, Young Pen 2. In the S. C. White Leghorns they made a record in this great class, filled with superior quality, they were Cocks 1-2-5, Hens 3-4-5, Cockerels 1-3, Pullets 3-5, Old Pen 1, Young Pen 1, $50 gold for Best Display any one variety, the D. W. Young Cup for best 10 birds, etc. Superintendent Reese V. Hicks, of these farms, came up to see the ribbons hang on their coops and to visit with his many friends there, all of whom congratulated him on the success.

S. C. Black Minorcas were one of the great classes of the show. We think it the second best class we have ever seen and by far the best ever seen at a fall show. Mr. Hiram Denny, manager for Mr. Frank McGrann, Lancaster, Pa., was the happy man, and well he could be, for their winnings were Cocks 1-2-3, Hens 1-3-4, Cockerels 1-2-3, Pullets 1-2, Old Pen 2, Young Pen 2-3, Special Best Display and all Specials. This line is a marvel in shape and style, of extra fine size and positive sound color; condition extra good.

The Sunswick Poultry Farm, South Plainfield, N. J., S. C. Buff Orpington specialist, made a beauty exhibit in this great class of 185 birds, they winning Cock 1, Hen 1-2, Cockerels 1-2, Pullet 2, Old Pen 2, Young Pen 1, Special Best Display, etc. Their winning hen in size, form and color was the beauty of the class and their two winning Cockerels grand strong fellows, very even and rich color. Mr. Delafield, the owner, was in personal attendance and has reason to feel well over the record his birds made here. It is a staple line that is strong every day of the year. Mr. Hobbs, formerly of the Joe Pye Orpington Farm, is now connected with Mr. Delafield.

The Monmouth Farms, Freneau, N. J., Mr. J. Courtney Punderford, owner, exhibited their lines of S. C. Buff and White Leghorns, winning in Buffs Cock 3, Cockerels 1-2-3, Pullets 1-2-4, Young Pen 1, Special Best Display and color and shape specials. In Whites they won (showing young birds only) Cockerels 2-5, Pullets 1-4, Pen 3. Mr. Punderford has bred his line of Buffs to the size and shape we find in the best Whites and with beauty head points, low-carried tails, etc. The first cockerel a grand specimen, very even and sound color.

The Yama Farms, Napanoch, N. Y., with manager Newton Cosh in charge, exhibited their Barred Rocks and S. C. Black Minorcas and as usual made a clean-up win in the Rocks, as follows: Cocks 1-2-4-5, Hens 1-2-3, Cockerels 1-2-3, Pullets 1-2-3, Old Pen 1-2-4, Young Pen 1-2-3. In Minorcas they won Cock 5, Hens 2-5, Cockerels 4, Pullet 4-5, Old Pen 1-3, Young Pen 1-4. This line of Barred Rocks has been very favorably known for several years and their winning record is a long one. The birds seen here were beautifully barred and of the proper color, heads very good.

S. C. White Orpingtons numbered 90 birds and were shown by several of our best breeders. Like last year, it was hard picking, as competition was very strong. Mr. P. A. Demgar, Brown Station, N. Y., made his first great record here one year ago, and this year in a larger and surely stronger class he made what we consider a better win than ever before: Cocks 4-5, Hen 3, Cockerels 1-2, Pullet 4, Old Pen 2-4, Young Pen 2-3-4, Special Second Display, etc. His winning cockerels and cockerel in Second Pen were of the type and quality sure to win and to breed winners. Mr. Demgar has by careful breeding placed his line up for notice and it surely deserves all consideration.

Buff Rocks was the best fall class seen in years, both in numbers and quality, with 93 birds in line. Mr. E. H. Lichtenwalter, Girard, Pa., winning the big share of prizes, as follows: Cock 1-4, Hen 1-4, Cockerel 5, Pullet 1-4, Young Pen 1, Special Best Display. His winning hen an unbeatable bird, shown at her best, sound, even color and beautiful form.

The Sunnybrook Farm, Eatontown, N. J., Mr. Chas. D. Cleveland, owner, led the way all along the line in Columbian Wyandottes; it was a surprise to note the quality of their

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birds, the clean-cut marking and beautiful shape were features, the first Young Pen superbly mated, extra condition and strong in every desired quality, tail coverts and wings very, very good. Their winnings are Cock 1-2, Hen 1-3, Cockerel 1, Pullet 3, Young Pen 1, Special Best Display.

The S. C. Rhode Island Reds were the banner class at the show with 122 single birds and 32 pens, making a total of 282 birds. Houck & Alt, 87 Fuller St., Buffalo, N. Y., nearly repeated their win of last year, their effort was a grand one and they well deserved all they won. Cock 1, Pullet 1, Young Pen 1-5, Second Display Special, color male, shape female, cup for best pen, etc. In this class it is needless to say that competition was strong. It was of the hottest, and in pens particularly. Their first pen was a model, a good win.

Mr. Geo. W. Tracy, of Kinderhook, N. Y., one of our oldest and best breeders, made a wonderful record by winning First Display and receiving prominent mention in all classes, as follows: Cock 4, Hen 1-2-5, Cockerel 3, Pullet 3, Old Pen 2, Young Pen 3. One of his hens shown had five (5) prize winners in this class, a record of breeding value. What Mr. Tracy considered to be his best pen did not arrive at the show at all, being lost in transit.

We have before mentioned the Owen Farm winnings in this class and we imagine we still see their beautiful cockerels.

Other winners were: Wyebrook Farm, Frank Griffing, Union Poultry Farm, Orchard Farm, W. M. Willets.

In R. C. Reds the winners were H. E. Humphrey, Greenwich; H. E. Cheesebrough, Greenwich; H. L. Ferris, Auburn; W. W. Hazelton, Hudson; Orchard Farm, Darian, Conn.; Lewis Lane, etc.

Fairfield Farms, Fayetteville, N. Y., won in S. C. Buff Orpingtons Cock 3, Cockerel 5, Pullet 3, Old Pen 1-4, Young Pen 5.

A nice class of Silver Wyandottes was seen here, first cockerel owned by J. Frank Van Alstyne, Niverville, N. Y., was an attraction, a clear silvery bird, Mrs. Denton Cole, Binghamton, N. Y., winning first cock and hen.

The exhibit of Harvey C. Wood, Bound Brook, N. J., of Light Brahmas was a handsome collection, he winning all first prizes.

R. C. White Leghorns, a large class with many birds of exceptional merit. In shape, size and carriage they are progressing. The winners included A. F. Almendinger, Buffalo, N. Y.; Mrs. W. L. Haynes, Norwich, N. Y.; Geo. W. Pearson, Trenton, N. J.; Chas. Damon, L. H. Perry, etc.

S. C. Anconas numbered 94 birds. The winners: Joel Bean, Syracuse, N. Y.; H. H. Glosser, Fort Plain, N. Y.; Geo. W. Barstow, Oneonta, N. Y.; El-Co-Va Farm, Verbank, N. Y.

S. S. Hamburgs, one of the best classes ever; the winners were: A. L. Mayo, Pittston, Pa.; J. J. Bryden, C. W. Williams, Furmaux Bros., St. Catharine, Ont., etc.

Silver Campines numbered 113 birds. The winners: The Martling Hennery, Ridgefield, N. J.; Homestead Campine Farm, Wayland, Mass.; McDonough & Bidwell, Newark, N. Y.; Jos. C. Jackson, St. Thomas, Ont.; Rev. W. Berberich, Groton, N. Y.; F. E. Dutton, Fayetteville, N. Y., etc.

White Faverolles, a nice class, with D. Lincoln Orr, Orr's Mills, N. Y.; Dictograph P. F., West Nyack, N. Y.; Geo. H. C. Hole, Cornwall, N. Y.; Lew H. Bown, East Aurora, N. Y., the winners.

Buttercups, a very large class with many very fine birds seen, the winners a particularly fine lot.

Sussex, a small class of good birds. First Red Cockerel shown by Mr. W. M. Patterson, Penn Yan, N. Y., a rich one.

Dark Cornish, a very fine class of quality birds, handled grandly by Judge John W. Ward. Mr. Courtland H. Smith, Warrenton, Va., winning Cock 1-3, Hen 1-3, Cockerel 1, Pullet 3, Old Pen 1-2 and Best Display.

Bantams in all variety were seen, the Black, Reds, Duckwing, Pyle and Cochins leading in numbers.

Turkeys a large display, also of Ducks and Geese. The Ducks in particular were a select and large lot, with all varieties well represented.

Pigeons numbered nearly 600, with all varieties shown.

A nice select line of Pet Stock completed the display.

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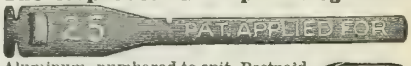
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Associations and Shows

Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department

SHOW DATES, 1914-1915.

ALABAMA.

Oct. 26-31. Dothan, F. Thomas, secretary.

CALIFORNIA.

Jan. 6-12. South Pasadena, H. H. Mumford, secretary; Russell, Hinds, Goodacre, Masterson, judges.

CANADA.

Dec. 1-4. Hanover, Ont., C. E. Henning, secretary.
Dec. 28-Jan. 1. Smiths Falls, Ont., W. T. Ferguson, secretary.
Jan. 19-22. Moncton, N. B., Geo. H. Seaman, secretary.

COLORADO.

Jan. 18-23. Denver, Fred P. Johnson, secretary; Tucker, Keeler, judges.

CONNECTICUT.

Nov. 18-21. Attleboro, Dr. Holman, secretary.
Nov. 23-26. South Norwalk, Chas. R. Petty, secretary.
Nov. 26-28. Danbury, Thomas Deans, secretary; Wolsieffer, Ives, judges.
Dec. 8-11. Hartford, Warren Hayden, secretary; Ives, Beebe, Balch, Shaylor, Tompkins, Williams, Stanton, judges.

GEORGIA.

Oct. 20-23. Cartersville, W. G. Gaines, secretary; Loring Brown, judge.
Nov. 16-21. Columbus, J. S. Jenkins, secretary.

IDAHO.

Jan. 4-9. Boise, L. L. Long, secretary; W. M. Coats, judge.

ILLINOIS.

Nov. 10-14. Mt. Vernon, G. W. Reid, secretary.
Nov. 18-21. Centralia, Hugh Barker, secretary.
Nov. 24-29. Quincy, A. D. Smith, secretary; Johnston, Hale, Keeler, Thompson, Dare, judges.
Nov. 30-Dec. 5. Peoria, J. T. Cunningham, secretary; D. E. Hale, O. L. McCord, judges.
Dec. 1-4. Kempton, James R. Terrill, secretary; H. A. Pickett, judge.
Dec. 1-5. Mt. Olive, J. A. Schroeder, secretary; E. E. Gimlin, judge.
Dec. 2-5. Benton, Sam Jones, secretary; Thomas B. Faulkner, judge.
Dec. 2-6. Streator, W. H. McCormick, secretary; J. C. Johnston, judge.
Dec. 2-6. Woodstock, Wm. Stearns, secretary; Frank Heck, judge.
Dec. 14-19. Freeport, Paul Wurtzel, secretary; Heyl, Hackett, judges.
Dec. 15-18. Batavia, C. A. Pierce, secretary; Louis A. Stahmer, judge.
Dec. 15-18. Granite City, J. W. Costley, secretary; G. E. Teaney, judge.
Dec. 15-18. Murphysboro, O. L. Rawlings, secretary; J. Dagle, judge.
Dec. 15-19. Cowden, B. W. Breighner, secretary; E. G. Feanney, judge.
Dec. 21-25. Mt. Carmel, L. S. Cochran, secretary.
Dec. 30-Jan. 3. Capron, Helge Peterson, secretary.
Jan. 4-9. Lanark, J. A. Shaner, secretary.
Jan. 4-9. Golconda, Theo. S. McCoy, secretary.
Jan. 4-9. Elgin. C. H. Leitner, secretary; Hale, Johnston, Cook, Waterman, judges.
Jan. 4-9. Galva, Ed. Everson, secretary; Teaney, judge.
Jan. 14-20. Chicago, A. E. Lemieux, secretary.
Jan. 18-23. Aurora, C. L. Valentine, secretary; W. C. Pierce, judge.
Jan. 18-23. Jacksonville, Jas. C. Weber, secretary; Heimlich, Engle, judges.
Jan. 24-30. Havana, H. W. Chambers, secretary; Chas. V. Keeler, judge.

INDIANA.

Dec. 8-12. Goshen, A. A. Kryder, secretary; Chas. V. Keeler, judge.
Dec. 9-14. Marion, Frank Sherwin, secretary; Earl Hemenway, judge.
Dec. 29-Jan. 2. Kentland, J. M. Illingworth, secretary; H. A. Pickett, judge.
Dec. 30-Jan. 3. Hammond, Wm. Maginot, secretary; H. C. Dippel, judge.
Jan. 4-9. Rensselaer, R. Snyder, secretary; H. A. Pickett, judge.
Jan. 11-16. Lafayette, Edward Balser, secretary; B. O. Swain, judge.
Jan. 18-23. South Bend, Paul Heireman, secretary; Northrup, judge.
Jan. 19-26. La Porte, A. F. Wegner, secretary; H. C. Dippel, judge.
Feb. 1-5. Indianapolis, C. R. Milhous, secretary; Hewes, Pierce, judges.

IOWA.

Nov. 23-27. Davenport, O. F. Freeman, secretary; McCord, Richards, judges.
Nov. 23-27. Shenandoah, Elmer V. Scott, secretary; Joseph Dagle, judge.
Nov. 23-28. Independence, C. J. Friedman, secretary; T. J. Rountree, judge.
Nov. 30-Dec. 5. Iowa City, C. M. Davis, secretary; U. J. Shanklin, judge.
Dec. 4-8. Dyersville, C. H. Ostwinkle, secretary; D. E. Hale, judge.
Dec. 30-Jan. 4. Davenport, Harry W. Atkins, secretary.
Jan. 7-9. Hampton, H. W. Hardy, secretary; S. B. Mills, judge.

KANSAS.

Nov. 23-28. Fredonia, K. F. Spellman, secretary; E. W. Cook, judge.
Dec. 1-4. Pittsburg, D. J. Mackey, secretary.
Dec. 8-11. Fort Scott, S. S. Frary, secretary; Wibble, Emery, judges.

LOUISIANA.

Oct. 15-17. Franklinton, C. Doremus, secretary.
Dec. 9-13. Alexandria, W. H. McCrackin, secretary; Van Winkle, judge.

MAINE.

Dec. 8-10. Sanford.

MASSACHUSETTS.

Dec. 2-4. Holyoke. Geo. Barnett, Jr., secretary; Nixon, Fiske, Shaylor, Chapin, judges.

MICHIGAN.

Dec. 7-13. Battle Creek, O. P. Stancer, secretary; Wm. Wise, F. B. Havens, J. W. Mulinix, judges.
Dec. 9-12. Petoskey, S. H. Hoover, secretary.
Dec. 16-19. Three Oaks, B. R. Chamberlain, secretary; Chas. V. Keeler, judge.
Dec. 22-26. Holland, Wm. Dinkeloo, secretary; Chas. McClave, judge.
Jan. 20-26. Detroit, J. A. Turner, secretary; Tucker, Mulinix, McNeal, judges.

Lyman's S. C. White Orpingtons

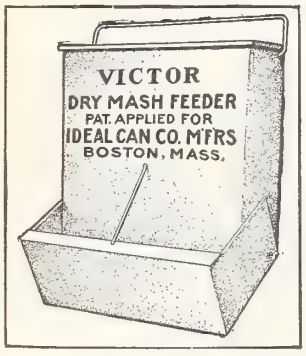
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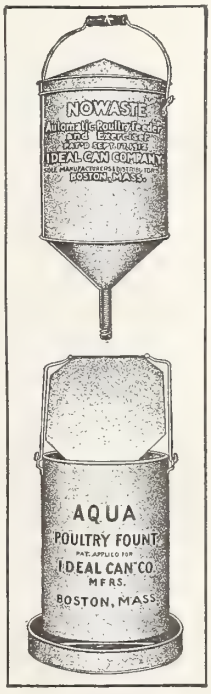
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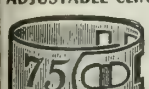
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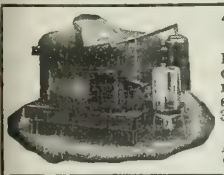
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Feb. 10-15. Menominee, W. A. Haines, secretary; Harrison, Wells, Tucker, judges.

MISSOURI.

Nov. 16-21. Joplin, Ira B. Malin, secretary.
Nov. 24-29. St. Louis, Fred Crosby, secretary.
Nov. 30-Dec. 3. Butler, Edson Snyder, secretary; E. C. Branch, judge.
Nov. 30-Dec. 5. Sedalia, Fred A. Benz, secretary; Chas. McClave, judge.
Dec. 1-3. Louisiana, C. H. Winn, secretary; T. W. Southard, judge.
Dec. 9-13. St. Joseph, L. E. Wing, secretary; Woods, Hobbs, judges.
Jan. 11-16. Kansas City, E. L. Noyes, secretary; Southard, Hobbs, Rankin, McClaskey, Meyer, judges.

MONTANA.

Dec. 14-18. Kalispell, G. F. Tate, secretary; L. C. Taylor, judge.
Jan. 18-23. Stevensville, J. L. Dorsh, secretary; Holdenof, Greenfield, judges.

NEW HAMPSHIRE.

Dec. 8-11. Concord, H. C. Bailey, secretary; Atherton, Coffin, Pierce, Allen, judges.

NEW JERSEY.

Nov. 19-21. Somerville, W. D. Bauer, secretary.
Nov. 23-28. Morristown, S. R. Whitenack, secretary; Huyler, Nixon, Pagmore, Bowman, judges.
Nov. 25-28. Asbury Park, Frank H. Hodges, secretary; Kriner, Stanton, Minich, Kennedy, Horner, Applegate, judges.
Dec. 10 - 12. Caldwell, Charles H. Schlaefer, secretary; Wolsieffer, Nixon, judges.

NEW YORK.

Oct. 19-24. Sayville, Theo. Helm, secretary; Shaylor, Smith, Willmarth, judges.
Nov. 9-14. Gloversville, A. J. Watson, secretary.
Nov. 23-28. Buffalo, W. C. Denny, secretary.
Dec. 7-12. Jamestown, Wm. S. Rathbun, secretary; Burgott, Maunder, judges.
Dec. 7-12. Rochester, J. W. Chapman, secretary; Nicholson, Welles, Nixon, Card, Hammerstrom, Preston, Cornman, Hilfiker, judges.
Dec. 15-18. Elmira Heights, L. G. Woodward, secretary; F. I. Bradford, judge.
Dec. 15-18. Kingston, Jasper Kelder, secretary.
Jan. 11-16. Batavia, Lee Folger, secretary.
Jan. 12-16. Schenectady, H. J. Fuller, secretary; Riley, Braun, Rice, Corey, Van Alystine, Otto, McDonald, Hill, judges.
Feb. 12-18. New York, Chas. D. Cleveland, secretary.

NEW MEXICO.

Oct. 19-24. Roswell, John St. John, secretary; Savage, judge.

OHIO.

Nov. 30-Dec. 5. Bellefontaine, C. B. Halboth, secretary; J. W. Mulinix, judge.
Nov. 30-Dec. 6. Toledo, A. H. Emch, secretary; J. H. Drevenstedt, Newton Cosh, Frank F. Conway, judges.
Dec. 1-4. Hamilton, Cliff Bryant, secretary.
Dec. 8-12. Wooster, A. H. Smith, secretary; Faulkner, judge.
Dec. 8-13. Dayton, C. D. Forney, secretary; Pierce, Cosh, judges.
Dec. 29-Jan. 2. Norwalk, C. H. Sly, secretary; A. H. Emch, judge.
Dec. 29-Jan. 2. Tiffin, C. H. Lines, secretary; Faulkner, judge.
Jan. 4-9. Cleveland, Dr. R. H. Lindhorst, secretary.
Jan. 5-9. Newark, B. F. Kent, secretary.
Jan. 12-16. Wadsworth, Chas H. Ries, secretary; Geo. W. Webb, judge.

OKLAHOMA.

Dec. 16-19. Mountain View, P. A. Parnell, secretary; C. A. Emery, judge.

PENNSYLVANIA.

Nov. 17-20. Ridgeway, C. O. Romick, secretary; Chas. McClave, judge.
Nov. 17-20. Williamsport, Geo. J. Hanks, secretary; Schwab, Oke, Punderford, Nixon, Riley, Bradford, Chapman, Koons, McGrew, judges.
Nov. 23-28. Pittsburgh, A. J. Henning, secretary.
Nov. 30-Dec. 5. Wilkes-Barre, F. N. Roll, secretary; Oke, Kriner, judges.
Dec. 8-11. McDonald, A. V. Campbell, secretary.
Dec. 15-18. St. Marys, F. D. Lambert, secretary; Turner, Ingram, Peters, judges.
Dec. 28-Jan. 2. Berwick, R. S. Hortman, secretary.
Dec. 28-Jan. 2. Warren, L. E. Conroy, secretary.
Jan. 4-9. Kane, W. K. Whitehill, secretary; Geo. W. Webb, judge.

Quality White Orpingtons
Ten pens mated. Send for mating list. All infertile eggs replaced free.
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Four of the best pens I ever mated, and will produce WINNERS for you next fall and winter. Send for mating list.
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Pullet record 244 eggs one year. They are large and lay large eggs.
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White Wyandottes
Fine Duston Line
Barred Rocks
Bradley's Line
Single Comb Reds
Tompkins'
Fine show and breeding stock of all above breeds. Be sure and send for catalogue.
W. W. KULP Box 70 Pottstown, Pa.

Jan. 7-9. Ambler, W. W. Slutter, secretary.
Jan. 11-16. Bentleyville, E. C. Snyder, secretary; Oscar E. Mills, judge.
Jan. 12-16. Johnstown, W. S. Krise, secretary.
Jan. 18-23. Pittsburgh, W. P. Craig, secretary; Kummer, Punderford, Card, Rice, Schwab, Hewes, Oswald, Lewis, Rawnsley, Wittman, judges.

RHODE ISLAND.

Nov. 5-7. Pawtucket, E. J. Gibbons, secretary; Allen, Andrews, Fiske, Ballou, Rogers, Feather, judges.

SOUTH CAROLINA.

Nov. 18-20. Bennettsville, R. C. Newton, secretary.

SOUTH DAKOTA.

Jan. 19-23. Pierre, Joseph Ihli, secretary; Joseph Dagle, judge.

TENNESSEE.

Sept. 21-26. Nashville, John A. Murkin, secretary; Dipple, Owen, judges.
Sept. 28-Oct. 3. Albashire, Bartlett, M. F. Schultes, secretary.
Dec. 7-12. Chattanooga, F. C. Rose, secretary; C. I. Fishel, F. J. Marshall, judges.

TEXAS.

Nov. 3-8. San Antonio, Geo. Loessberg, secretary; H. B. Savage, judge.
Nov. 9-14. Houston, W. F. Krahl, secretary.
Nov. 26-30. El Paso, J. G. Kenan, secretary; C. P. Van Winkle, judge.
Dec. 2-5. Austin, Mrs. M. D. Carr, secretary; N. L. Hutchison, judge.

VIRGINIA.

Nov. 18-20. Berryville, J. E. Harris, secretary; G. O. Browning, judge.
Dec. 8-11. Lynchburg, R. H. Andrews, secretary; J. W. Simons, judge.

WASHINGTON.

Dec. 15-19. Spokane, Mrs. H. A. Klussman, secretary; Jas. A. Tucker, judge.
Dec. 29-Jan. 2. Tacoma, J. A. Caddey, secretary; W. S. Russell, judge.
Jan. 11-16. Seattle, W. H. Haven, secretary; Shellabarger, judge.

WEST VIRGINIA.

Jan. 4-9. Charleston, J. C. Byrd, secretary; R. L. Simmons, judge.

WISCONSIN.

Dec. 1-7. La Crosse, Wm. H. Hoesehler, secretary.
Dec. 9-13. Oconomowoc, O. R. Eddy, secretary; Northrup, judge.
Jan. 4-8. Madison, J. G. Halpin, secretary; Hackett, Hale, Stanfield, judges.
Jan. 11-16. Mineral Point, Allen Tucker, secretary; Geo. Wells, judge.
Jan. 21-24. Oshkosh, Harry G. Simpson, secretary.
Jan. 26-29. Manawa, M. Mitchell, secretary; J. E. Greenwald, judge.
Jan. 28-31. Appleton, Dr. W. L. Farrand, secretary; Wells, Dippel, judges.
Jan. 25-30. Beloit, Guy S. Lee, secretary; T. J. Rountree, judge.

The Palace Show.

BY CROMWELL CHILD.

The Palace Show is to start the ball a-rolling for the season of 1914, and it will be by far the finest and largest that the very successful and progressive Empire Poultry Association has put forward in its eight years of active life.

A small show out in Richmond Hill, L. I., practically only a "one-horse" affair in 1906, it has developed steadily each year, pushed its way into the metropolitan field, made itself one of the "Big Four" among poultry shows, jumped 50 per cent in number of exhibitors from 1912 to 1913—last year showed this extraordinary advance—and now, with very greatly increased space engaged, promises a show for this December that is to set a pace all through poultrydom.

The first floor of the Grand Central Palace, New York, the Palace Show's scene last year, is big enough, it would seem, for any poultry show, but for this eighth show (in the first week of December) the second floor will be taken in addition. Here cats, pet stock, pigeons and a new and very interesting feature—a model poultry farm—are to be shown. The main floor will be devoted to poultry exhibits exclusively, and it looks as if every foot would be used. This year, too, the supply houses are coming in very actively and have taken all available space. The outlook could not be better, especially when it is considered that pledge after pledge of support has been received, making a formidable and gratifying mass of documents, and that 60 per cent of the old exhibitors have promised to come back. Last year the Palace Show was

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H. V. Tormohlen Box 2 Portland, Ind.

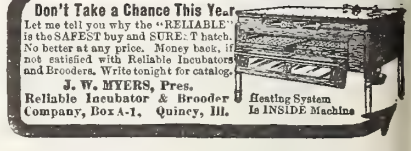
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THE ORIGINAL BIG-BONED TRUE ROCK TYPE
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100 year-old S. C. White Leghorn Hens
at a bargain if taken quick.
20th CENTURY HATCHERY, Chatfield, O.


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SILVER CAMPINES
A fine lot of yearling exhibition and breeding birds. Also youngsters at very reasonable prices. Catalog free; write
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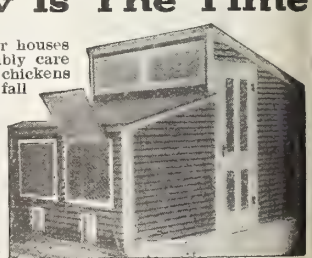
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Write me for prices on some good Hens and Cocks. I have about 15 Cocks and 60 Hens, all show birds and my breeders.
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Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. Made for baby chicks and pigeons. Free catalogue giving full particulars and prices.
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given the appropriate name of the "Lucky Seventh." It proved lucky for everybody. This year the show will be the "Big Eighth," or, as some enthusiasts have already dubbed it, "Our Grand Reunion Show."

There are plans for the biggest campaign of publicity during the show of this year of any show that has ever been held. In a measure this publicity will be the "Big Eighth's" greatest feature. The publicity will spread widely, will be heard of on every hand, for in this show there will be much to talk about, and amount of interesting, unusual details for the breeder and for the public. It is to be a year of specialty clubs; the cat show in conjunction with it will be the largest cat show in New York this season, the model poultry farm will be a great and picturesque demonstration of modern science in poultry breeding—it will, by itself, attract thousands of visitors—and there is little question but what the classes will bring out unprecedentedly keen and brilliant competition.

To the exhibitor all this means everything. The Palace Show is to be the first show of the season. Those who win at it will at once have at their hand fine ammunition for an advertising campaign. The whole show season is before them; they can turn their victories to excellent account. There is ample time for awards and advertising to appear in the January issues of the poultry press. The man who makes things go needs copy for the press. His light must not be hidden under a bushel. The man who misses the Palace Show loses this opportunity. He can make much of it, and many an exhibitor will. On the other hand, should he lose, the whole show season is before him, with many other chances of wins. A win at this first show will count, however. There is much more time to take advantage of it.

Many a far-sighted breeder, the indications are, is seeing this year, and both old and new exhibitors will compete actively. The Palace Show during its New York existence built up an almost new clientele. Steadily this is being added to. Many breeders who did not at first look on this show with an altogether friendly eye have been won over. Many new pledges have come in from substantial men in the poultry field.

It will be a show of sociability, with many banquets and meetings. The exhibitor will have a chance to get acquainted as he has never had before. You may meet your competitors and the editor of your favorite paper, and plan your campaign for the year. Only at the Palace Show is this really possible, for then is the season's opening. The model farm, with all the latest appliances of poultry culture, will give you many new ideas. There will be shown, on a large scale, such as never before in a show, or anywhere else, laying houses with runs, brooder houses with chicks, even the mother with her broods. Demonstrations of killing, picking, packing and handling will be given continuously and lecturers will be on hand to advise breeders and visitors.

The files show fairly accurately what is going to happen. This is to be a Campine year, and great efforts are to be made with this breed. It will be a Buttercup year as well. The brilliant success of the Buttercups in 1913 is to be more than duplicated. It is believed that the Palace Show of 1914 will present the greatest showing of White Leghorns ever. White Orpingtons are to be especially fine. Reds, Buff Leghorns, Minorcas and White Wyandottes will be well to the fore. The exhibitor should remember that there is a premium of $5 on a $2 entry fee. At the show's head again are Robert Seaman as president, L. D. Howell, secretary and treasurer. Other familiar figures in the management will be E. B. Sprague, a director, who is making great efforts in the direction of Buff Orpingtons; Brown and Captain Arnold at the gate, and W. H. Hearsfield, who is called "the best superintendent in the country."

Palace Show Judges—Reese V. Hicks, R. I. Reds and Whites; W. B. Atherton, White Rocks, Polish and Hamburgs; Geo. W. Weed, Black Wyandottes and Buttercups; W. H. Card, Brown and Black Leghorns, S. C. Leghorns, all Orpingtons except Buff, Lakenvelders, W. F. Black Spanish; C. H. Shaylor, Barred Rocks; Charles Nixon, White Wyandottes; J. C. Punderford, White Leghorns; H. J. Fisk, Buff Leghorns; F. H. Wolseiffer, Buff Orpingtons and Buff Rocks; J. E. Willmarth, Buff Wyandottes, Buff Col. Wyandottes; D. Lincoln Orr, Columbian Wyandottes and Brahmas; F. C. Sites, Anconas, Cochins and Langshans; D. M. Green, Columbian Rocks; Paul W. Doll, Silver and Silver Pen. Wyandottes; H. P. Schwab, Silver Pen. Rocks, Golden and Golden Pen. Wyandottes, Cookoo Wyandottes; I. W. Mole, Part. Rocks and Part. Wyandottes; E. F. Aubry, Favorelles; M. L. Chapman, Campines; Rowland Story, Minorcas; C. M. Smith, Houdans; James Glasgow, Games; Newton Cosh, Andalusians; Geo. W. Tracy, Javas, Sussex, Red Caps, Dominiques, Dorkings, Buckeyes, La Fleche and Creve Coeurs; John Brett, Waterfowl, Ornamental.

Bantams—Geo. L. Young, Clean Legged; C. M. Smith, Feather Legged; James Glasgow, Games.

Pet Stock—Robert Whitaker.

Pigeons—F. Warren Snow, Frank Gorse, C. E. Twombly, Geo. B. Hart, with others to be added.

The Big Boston Show.

"The Old Glory Show" is the slogan for the 1915 exhibition of the Boston Poultry Association, to be held in the great Mechanics' Building, January 12 to 16. The magnitude of the last show attracted the attention of breeders throughout all America and even across the water, and already many who have never exhibited at Boston have signified their intention of making entries at the coming show.

Many specialty clubs have already selected Boston for their annual meet. The American Waterfowl Club are coming and will offer several hundred dollars in cash specials. The American Buttercup Club and the New England Buttercup Club will hold a joint meet, and a great showing of these birds is expected. Bantams are likely to come out in force, as both the National Bantam Association and the Game and Game Bantam Club have decided to hold their yearly meet at the Hub. The Hamburg Fanciers' Club, the Partridge Wyandotte Club of America and the Crested Fowl Breeders' Association have also selected Boston, and other clubs are expected to take similar action.

Boston was the first show to inaugurate a department for live utility fowls, and this section will be continued, as well as the dressed poultry and egg department.

The Boston Show has grown to such proportions that many space concessions granted heretofore will have to be refused, but the usual space will be utilized for incubators and poultry supplies.

The premium list will be out about December 1.

W. B. Atherton, Secretary.

Boston, Mass.

Rhode Island Red Specials for Chicago.

The Great Mid-West Poultry and Pet Stock Association will offer on both the Rose and Single Comb Reds, regardless of number of entries, a $50.00 diamond scarf pin for best display, as per Rule 17.

For 75 entries, $25.00 in cash, to be awarded as follows: $15.00 for second best display; $10.00 for third best display.

For 125 entries $50.00 in cash, to be awarded as follows: $20.00 for second best display; $15.00 for third best display; $10.00 for fourth best display; $5.00 for fifth best display.

For 150 entries $75.00 in cash, to be awarded as follows: $25.00 for second best display; $20.00 third best display; $15.00 for fourth best display; $10.00 for fifth best display; $5.00 for sixth best display.

For 200 entries $100.00 in cash, to be awarded as follows: On cocks, for first, second, third, fourth, fifth, sixth, seventh and eighth, $2.00 each. Same on hens, cockerels and pullets. On old and young pens, $3.00 for first; $2.00 each for second, third, fourth, fifth, sixth, seventh and eighth.

For 250 entries $125.00 in cash, to be awarded as follows: Same prizes as above on single entries. On old and young pens, $4.00 each for first, second, third, fourth, fifth, sixth, and $3.00 each for seventh and eighth.

For 300 entries $150.00 in cash, to be awarded as follows: On cocks, $3.00 each for first, second, third, fourth, fifth, sixth, seventh and eighth. Same on hens, cockerels and pullets. On old and young pens, $4.00 each for first, second and third. $2.00 each for fourth, fifth, sixth, seventh and eighth.

For 600 entries, $300.00 in cash, to be awarded as follows: Cocks, $5.00 each for first, second, third, fourth, fifth, sixth, seventh and eighth. Hens, cockerels and pullets the same. On old and young pens, $10.00 each for first, second, third, fourth, fifth and sixth; $5.00 each for seventh and eighth.

Note that these prizes are offered on both the Rose and Single Combs. Should both classes fill, then these totals are doubled. Should one fill and the other fail to fill, the one that does fill will receive the prizes. Should one variety have 600 entries, it will receive the $300.00 cash. Should the other variety fill any one of the lower classes, then the prizes will be paid according to the schedule the entries denote.

In order to make ourselves plain, so that no one can err, will say that only one schedule can fill on either variety; as, for example: If there are 600 entries, all schedules below the $300.00 cash are void. If there are 300 entries and less than 600, then all schedules below the $150.00 cash prizes are void.

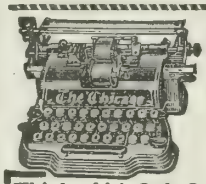
The Rhode Island Red Journal of Waverly, Iowa, A. G. Studier, editor, offers the following prizes on both Rose and Single Combs, for club members only: Cocks, $2.00 each for first and second; $4.00 each for third, fourth, fifth, sixth, seventh and eighth. Same on hens, cockerels and pullets. On old and young pens, $5.00 each for first and second; $10.00 each for third, fourth, fifth, sixth, seventh and eighth.

The Rhode Island Red Journal will also

Don't Feed Green Food!

Do away with the bother by using Succulenta Tablets

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail $1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to **The Succulenta Co., P. O. Box 405- 1, Newark, N. J.**



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Think of it! Only $2.00 on this great offer. You have full ten days free trial. Our factory price is less than others ask for second-hand machines. Every sale bears our ten year iron clad guarantee. Settlement for the balance can be made on the *easiest monthly payments.* The first buyer in each locality gets a handsome leatherette carrying case free. Write today, Now.
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How to Increase the Winter Egg Yield
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and many other valuable egg pointers.

This book—full of useful poultry information is sent free by the manufacturers of

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Send a postal—giving your dealer's name—and get a free copy of this famous book—today.

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pay the entry fees on the two exhibits coming the greatest distance.

The Red Breeders' Club of the World, Aaron Fell, Perrysville, Penna., secretary, will hold its annual meeting Monday, December 14th, at 2 p. m.

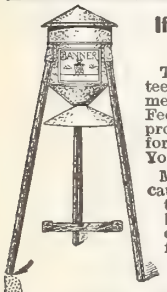
The club offers to club members, whose dues are paid to January 1, 1915, special club ribbons for the best shaped and best colored male and the best shaped and best colored female in both the Rose and Single Comb varieties; a $30.00 silver cup for second best display; a $25.00 silver cup for third best display; a $20.00 silver cup for fourth best display; a $15.00 silver cup for fifth best display.

If not already a member, send $1.00 to Mr. Fell at once and have your name enrolled; or include $1.00 in your entry fee when making your entry. It is best, however, that this money be mailed direct to the secretary.

In order to compete for these specials, exhibitors must have six or more entries. Note these cups are offered on both the Rose and Single Combs. For premium list write Theo. Hewes, secretary, Indianapolis, Ind.

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99+ Pure Carbonate of Lime.
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Makes hens lay better because they can't eat unless they exercise. Keeps your birds healthy and fills your egg basket. Sold direct from factory at low price. We save money on your poultry supplies.

BANNER Automatic Feeder and Exerciser

Made of full 28 gauge rust-proof galvanized iron. Rain proof, rat proof, bird proof. Use in house, yard or on free range. Either with legs or to hang on wall. All metal except the rubber tipped cross piece. Handles any grain or grit without adjustment.

Valuable Egg Record and Handsome Catalog FREE

Shows which hens pay profit and which should get the axe. Catalog lists oat sprouters, dry mash feeders, fountains, metal nests, leg bands and complete line of Banner Guaranteed Poultry Supplies. Write.

THE SMITH SPECIALTY CO.
118 Bird Building Mansfield, Ohio
Member American Poultry Association.



"On to Buffalo"

Send today for your copy of the premium list of the

Greater Buffalo Poultry Show

(Thanksgiving Week)

Nov. 23-24-25-26-27-28

Best judges. Liberal premiums, attractive cash specials.

WM. C. DENNY, Sec'y
322-323 Electric Bldg., Buffalo, N.Y.

Madison Square Garden.

To American Poultry Journal, Chicago, Ill.

Gentlemen—Following up my recent telegram, in which I announced the dates for our next exhibition, I beg to say that the reason for the change of dates this season is because Madison Square Garden has been rented to a Religious Spectacle play for the months of December and January. This performance is something that has made a great sensation in Europe and is expected to draw such large audiences that Madison Square Garden was necessary for its production.

Our new dates, however, February 12 to 18), will, I believe, be very advantageous, especially this season. The crop of early hatched chickens is very light and the new dates will enable all of the late hatched birds to compete, but aside from this fact it is manifestly clear that February is a very much better time to sell than December or early January. Buyers will come to the Garden this year at just the time when they need stock and it is believed that more sales will be made direct on the floor than at any prior exhibition.

You also, of course, know that the Christmas period is a very hard time in which to attract the attendance of the public. In December and at New Year's people are busy with Christmas shopping and festivities, but as our show this year will open on Lincoln's birthday the public will be free to attend, and I think that with the new features which the show will inaugurate a greater number of people will enter our doors in 1915 than has ever before been the case.

The incubator and poultry supply exhibitors will also have an unusually favorable time in which to sell their products, and I have already been told that it will be impossible to supply the number of day-old chicks which will be in demand at our Twenty-sixth Annual Show.

I have already made some progress toward the completion of arrangements for the coming event, and I am anxious to hear from every Specialty Club in the country, both in regard to Annual Club Meets and also with reference to suggestions for judges. There will be a great many important club meets held at the Garden this year and the attitude of the management will be as before—that of hearty coöperation. I, therefore, invite correspondence from all the club secretaries, and in this connection I wish to say that we will offer no special prizes of any kind or description which we cannot deliver during our show. In other words we desire all cups, medals, ribbons or other specials to be in the hands of the management prior to the opening of the show. Unless clubs can guarantee to do this their offers will not be printed in the premium list. I think it unfair to offer prizes which cannot be delivered into the hands of exhibitors.

A new system of marking up the awards will be inaugurated and all exhibitors will know immediately after each class is judged how the premiums have been awarded. There are a number of other innovations and changes which I believe will be for the benefit of the exhibitors and which I will speak of later if your valuable paper will give me the space to do so.

Thanking you for your courtesy in publishing this notice, I am

Yours sincerely.
Charles D. Cleveland.
Secretary and Superintendent.
Eatontown, N. J.

White Orpington Special.

The American White Orpington Club is offering this season at all of the Poultry Shows in the country handsome white silk club ribbons with gold fringe on the best cocks, cockerels, hens and pullets, and an engraved medal for best pen, and at many of the state shows beautiful silver cups. To compete for any of these specials, you must be a member of the club in good standing with all dues paid in full. The initiation fee, which includes the first year's dues, is only $1.00, or life membership, $5.00. Application blanks, club book, and full information can be had of the secretary, F. S. Bullington, Box 328, Richmond, Va.

Notice to Rouen Duck Breeders.

To the Rouen duck breeder who sends me the best article written on Rouen ducks, containing three hundred or more words, to be used in the year book of the Rouen Duck Club of America, I will send a fine souvenir from Arizona. Also to second best. Winners to become members of the Rouen Duck Club, if not already members.

Send article at once, as this offer closes Dec. 5th, 1914.

Edgar M. LeBaron,
Vice President of the Rouen Duck Club of America.

Notice to Show Secretaries.

The American White Plymouth Rock Club, H. W. Halbach, president, offers handsome ribbons for best cock, hen, cockerel, pullet and pen. The club also offers a silver cup at any show where ten members are competing. Dues are $1.00 a year and should be sent to M. L. Chapman, secretary-treasurer, Browns Mills, N. J.

In our August issue we announced the show dates of the Beloit Poultry & Pet Stock Association as being December 25-30, 1914. This was an error on our part as their dates are January 25-30, 1915. For full particulars address the secretary Guy S. Lee, 737 Grant street, Beloit, Wis.

IDEAL WHITE ORPINGTONS
Big, Sturdy, Healthy, Exhibition and Utility Cockerels for sale. Write for prices.
Ideal Orpington Farm Box 168 Lombard, Ill.

Columbian Wyandottes
Supreme Strain. My March pullets were laying in August. I can supply cockerels and pullets at golden rule prices.
Alfred W. Budd North Brookfield, Mass.

WORLD'S BEST LAYERS and "Trapnest" Winners combined at N. Y. State Fair, Sept. 1, 1914, won 4 ribbons on 5 entries including the Blue, on BUFF ROCKS. Fine stock for sale out of 200 to 248 egg hens, also Barred and White Rocks, Reds, Orpingtons and Leghorns. SUNNYSIDE FARM, Box 1002, Bristol, Vermont.

From Embryo to Feathered Bird
you can rely absolutely on Hall Mammoth Incubators, Sectional Pipe Brooder Systems, Coal Heated Colony Brooders. Investigate
Hall Mammoth Equipment
Save operating expenses. Raise more and better chicks. Write today for catalog.
HALL MAMMOTH INCUBATOR CO.
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Blencoe's Anconas
Pullets laying since July 7. Great show Cockerels—Rose and Single Comb.
Write me if you want a really good bird.
MRS. GUY BLENCOE Alma Center, Wis.

The Quincy Poultry, Pigeon and Pet Stock Association will hold its eighth annual exhibition at Quincy, Illinois, November 24-29, 1914. This association owns their own coops and expect to coop at least 2,500 birds at the coming show. J. C. Johnston, D. E. Hale, Chas. V. Keeler, Carl Dare and Adam Thompson will place the awards. The free banquet given each year by this association is one of the leading features. Gold leg bands for champion male and female of every variety, and gold pieces for display in each variety will be given in addition to the regular cash and special premiums. This association is one of the leading organizations of the state and should be liberally supported by every poultryman. Catalog will be ready for distribution October 20. Send for one to the secretary, A. D. Smith, Quincy, Ill.

The Freeport Poultry, Pet Stock and Grain Association will hold its annual exhibition from December 14th to 19th, at Freeport, Ill. Judges Geo. A. Heyl and G. W. Hackett have been secured to place the awards. Uniform coops, furnished by the association free, will again be used. Last year's show had nearly 1,000 entries of poultry, and this year the directors of the association are trying to get the 1,000 mark beat. Fanciers should remember the date of the Freeport show and make arrangements to send their birds where there is some real competition. For information, premium list, etc., send to Paul Wurtzel, secretary, Freeport, Ill.

The Forest City Live Stock & Fair Co. held its second annual exhibit at North Randall, Ohio, August 20-27, 1914. This association has some of the finest buildings of any state and they have spared no expense to make it the best fair in the country. The poultry exhibit was the best I have seen anywhere. There were 5,000 entries regardless of the early date. The superintendent, Sheppard Strong, handled things to the satisfaction of everybody. Heavy rains made it unpleasant getting around, but the attendance was large.—H. H. Coburn.

The following judges have been engaged to place the awards at the Flower City Poultry Show December 7-12, 1914: Haldie Nicholson, Chas. H. Welles, Chas. Nixon, W. H. Card, A. J. Hammerstrom, O. W. Preston, Chas. T. Cornman and Louis W. Hilfiker. For further particulars and premium list address the secretary, J. W. Chapman, Rochester, N. Y.

The Pike County Poultry Association will hold its second annual show at Louisiana, Mo., December 1-3, 1914. Thos. W. Southard will place the awards by score card. Send for premium list to the secretary, C. H. Winn, Louisiana, Missouri.

The First Annual Show of the Elmira Heights Poultry Club will be held December 15-18, 1914. F. L. Bradford, judge. For premium list and further particulars address the secretary, L. G. Woodward, Elmira Heights, N. Y.

The next annual show of the Morgan County Poultry Association will be held at Jacksonville, Illinois, January 18-23, 1915. D. T. Heimlich and I. A. Engle, judges. Write for premium list to the secretary, Chas. C. Weber, Jacksonville, Illinois.

The American Buff Plymouth Rock Club will hold their annual meeting in connection with the Flower City Poultry Show, Rochester, N. Y., December 7-12, 1914.

The Eighteenth Annual Show of the South Texas Poultry and Pet Stock Association will be held in Houston, Texas, November 9-14, 1914. J. H. Drevenstedt has been engaged to place the awards. In addition to the poultry show Houston will celebrate at this time the completion by the federal government of the Houston Ship Channel opening to Houston the ocean commerce of the world. For premium list address the secretary, W. F. Krahl, Houston, Texas.

For some years there has been two shows held in Indianapolis, Indiana, each year, but in the future there will be only one show held and that by the Old Incorporated Show, The Fanciers' Association of Indiana. This association has for many years demonstrated that it holds nothing but quality shows and as all high class shows are now on a basis of $2.00 entry fee this will be adopted by this association for next year. Such judges as Theo. Hewes, W. C. Pierce have been, with others, selected to place the awards. The secretary, C. R. Milhous, Indianapolis, Indiana, will be pleased to give you further particulars and send you premium list. The dates of the next show are February 1-5, 1915.

The Missouri State Poultry Association is planning to hold the largest and best poultry show ever held in the state of Missouri. This will take place in St. Louis, Nov. 24-29, 1914. This show is early enough to get the winnings published in the poultry press in time to make some good sales before the later shows have been judged. The premium list and entry blanks are now ready for mailing and if you have not already filed your name for one you should do so at once with Fred Crosby, secretary, or T. E. Quisenberry, superintendent of the show, Mountain Grove, Mo.

If you want to know something of the One Hundred Dollar Championship stakes to be offered for pullets and cockerels at the Illinois State Poultry Show, Springfield, Illinois, January 4-9, 1915, be sure and drop the secretary, Theo. S. McCoy, Golconda, Ill., a card giving your name and address. The catalog will be full of other good things to the advantage of the exhibitors. The sales department under Mr. Bates will be continued.

The El Paso Poultry Association will hold their annual show at El Paso, Texas, November 26-30, 1914. They are planning to have the biggest and best show ever held in the southwest. For premium list address J. G. Kenan, secretary, El Paso, Texas.

A poultry exhibit will be one of the features of the fourth annual fair to be held at Franklinton, Washington Parish, Louisiana, October 15-17, 1914. There will be no entry fee charged. For full particulars address C. Doremus, Franklinton, La.

The fifth annual exhibition of the Lynchburg, Va., Poultry Association will be held December 8-11, 1914. J. W. Simmons, judge. Premium list ready November 1. Address the secretary, R. H. Anderson, Lynchburg, Va.

The fourth annual show of the Wilson County Poultry & Pet Stock Association will be held at Fredonia, Kansas, November 23-28, 1914. E. W. Cook, judge. For premium list address Karl F. Spellman, Fredonia, Kans.

Without a doubt the best show ever held in Toledo, Ohio, will be held by the Tri-State Poultry & Pet Stock Club, Nov. 30 to Dec. 6, 1914. The judges are Newton Cosh, Frank Conway and J. H. Drevenstedt. The list of cash premiums is very liberal and in addition the Tri-State Poultry & Pet Stock Club and the business men of the city have put up a fine lot of silver cups. Send a postal today to the secretary, A. H. Emch, 638 Division street, Toledo, Ohio, for full particulars, premium list, etc.

The following are some of the inducements offered by the St. Marys Poultry Club which will hold their second annual show at St. Marys, Pa., December 15-18, 1914. A gold leg band to every winner of first in singles where there is competition. $250.00 in cash prizes. $400.00 worth of silver cups. $300.00 worth of merchandise prizes. An egg show without entry fees and offering liberal cash prizes. The attractiveness of the foregoing is manifest when we view their entry fees which are 35 cents for singles and $1.00 for pens. Be sure and write to the secretary for premium list. F. D. Lambert, secretary, St. Marys, Pa.

The Millville Poultry, Corn and Horse Show Association will hold their third annual show December 1-4, 1914. In connection with this show there will be held a Farmers' Institute and Corn Show. This show is the largest and best of its kind in the state. Liberal cash and special premiums will be offered including a number of handsome silver cups. Premium list will be ready November 1. Send for one to the secretary, Cliff Bryant, Hamilton, Ohio.

The Second Annual Exhibit of the Batavia Poultry Association will be held at Batavia, Illinois, December 15-18, 1914. Louis A. Stahmer, the well-known poultry artist of the American Poultry Journal, has been selected to place the awards under the Hale explanatory score card. Premium list ready November 1st. Send for one to the secretary, Charles A. Pierce, Batavia, Illinois.

The Wilkes-Barre Poultry and Agricultural Association will hold their next annual show at Wilkes-Barre, Pa., November 30 to December 5th, 1914. John Kriner and Richard Oke will place the awards. For premium list and further information address the secretary, F. N. Roll, Wilkes-Barre, Pa.

The 22nd Annual Show of the Northwestern Ohio Poultry Association will be held at Tiffin, Ohio, December 29 to January 1st. Thos. S. Faulkner, judge. Empire coops will be furnished free by the association. Twenty silver cups will be offered. For full particulars address the secretary, C. H. Lines, Tiffin, Ohio.

The fourth annual exhibition of the Northwest Poultry Association will be held at Kalispell, Montana, December 14-18, 1914. They are planning on distributing 2,000 copies of their premium list and everybody interested in this show should send for one to the secretary, G. F. Tate, Kalispell, Mont.

We have just received the good news that the Western Wisconsin Poultry Association of La Crosse, Wisconsin, are installing a complete cooping system which is to equal if not surpass any system in the state. Their next show will be held December 1-7, 1914. For full particulars and premium list address the secretary, Wm. H. Hoeschler, La Crosse, Wis.

The Norwalk Poultry Association will hold its annual show at South Norwalk, Connecticut, November, 23-26, 1914. This is the first show of this kind ever held in South Norwalk and they are making great preparations for the event. For premium list and full particulars address the secretary, Charles R. Petty, South Norwalk, Conn.

The premium list of the sixth annual show of the La Porte County Poultry As-

The Great Big Palace Show

December 1 to 5, 1914
NEW YORK CITY
ENTRIES CLOSE NOV. 16th, 1914
Send for premium list now. Say what you will exhibit and it will add specials to your class.

EMPIRE POULTRY ASS'N, L. D. Howell, Sec'y, Mineola, N. Y.

sociation is about ready for distribution. This association will hold their next annual show January 19-26, 1915. Henry C. Dippel, judge. A. F. Wegner, secretary.

The Mississippi Valley Fanciers' Association will hold its second annual show in Davenport, Iowa, November 23-27, 1914. O. L. McCord and Glen F. Richards will place the awards. For premium list and full particulars address the secretary, O. F. Freeman, 1825 Twelfth Ave., Moline, Ill.

In our September issue in the list of show dates we announced the dates of the Williamsport Poultry Show as November 25-28th. This was an error as their next show will be held November 17-20th at Williamsport, Pennsylvania. For full particulars address the secretary, Geo. J. Hanks, 35 W. Fourth St., Williamsport, Pa.

The Only Grit



for **Chickens, Ducks, Pigeons, Turkeys and Pet Birds**

The ONLY GRIT needs no introduction as the leading dealers throughout the country are handling it.

If your dealer has not stocked up on the ONLY GRIT send us his name, also ask for samples and prices. Write now. Valuable coupons in each bag.

The Meredith Mining & Milling Co.
Coatesville, Pennsylvania
Western Office: 175 W. Jackson Boulevard, Chicago, Illinois



One of the many Fine Birds in My Flock

IF INTERESTED IN

White Runners

write me for prices. Fine lot of exhibition birds for sale at reasonable prices.

Mention American Poultry Journal.

E. G. CURTIS, Atsion, N. J.

The fourth annual show of the Emmet County Poultry Associations of Petoskey, Michigan, will be held December 9-12, 1914. Big cash premiums and silver cups will be awarded. Free cooping furnished. For premium list and entry blank address the secretary, S. H. Hoover, Petoskey, Michigan.

The third annual show of the McDonald Poultry Association will be held at McDonald, Pa., December 8-14, 1914. Premium list ready November 1st. Send for one to the secretary, A. V. Campbell, McDonald, Pa.

The Michigan State Poultry Fanciers' Association will hold its second annual show December 5-10, 1914. This show will be cooped by the Keipper Cooping Company of Milwaukee. Premium list ready November 10th. Send for one to the secretary, W. A. Haines, Menominee, Mich.

A New Partnership.

"In union there is strength." So thought Messrs. F. D. Rogers and H. A. Muntz, when, on July 1st of this year they joined forces and formed a partnership, which will be known as Rogers & Muntz. For several years they have been well known as individual breeders, and have been consistent winners in many of the largest shows. Rogers and Muntz first meeting was in the show room, and for several years have been competitors, yet always on most



F. D. Rogers, Elgin, Ill.

friendly terms, and the announcement of the partnership comes as no surprise to those who know them best. Mr. Rogers has been a resident of Elgin nearly six years, having before that time been a resident of New York state. He has been a breeder and admirer of the finest in Standard bred poultry since a mere lad and has gained a national reputation in the past six years as a breeder and exhibitor of S. C. White Leghorns, his birds having won at such shows as Chicago, Kansas City, Peoria, Elgin and many others. As a judge of this particular variety, he is conceded one of the best in America. He is an ex-president of the Elgin Poultry Association, member Chicago Poultry Society, S. C. W. Leghorn Club, and at the present time is president of the board of directors of the Elgin association. Mr. Muntz is a native son of Elgin, coming from one of its oldest and best known families, and as a breeder and exhibitor of S. C. W. Leghorns has established a record that is second to none. He has won in past seasons at Chicago Coliseum, Illinois State Fair, Elgin and other mid-west shows. Last year at Chicago he was the only exhibitor of S. C. W. Leghorns that won in every class in which he entered. Mr. Muntz is one of Elgin's best known business men and is held in high esteem by all who known him. He is a member of N. S. C. White Leghorn Club and is treasurer of the Elgin association. Messrs. Rogers & Muntz are offering a fine lot of young stock for sale and specialize on selling birds guaranteed to win. The American Poultry Journal joins with many others in wishing them unbounded success.

How to Produce Winter Eggs.

There is great danger of many fine flocks, which it has taken years to breed and perfect, being sacrificed this fall and winter because of the European war situation. This war is causing feed to advance in price, but if it continues it will also



H. A. Muntz, Elgin, Ill.

cause eggs, poultry, and practically all other food products to advance in proportion. Poultrymen will be inclined to become frightened at the high cost of grains and sell off their stock so close that their business will be crippled this winter and next season. The price of eggs is going to be high beyond a doubt. The question with you ought to be "How to get the egg." There will be a great demand next season for eggs and stock for breeding purposes. Then, don't decrease your flock in size so that your business will be crippled.

One winter egg is worth at least three summer eggs. It is up to you to learn the secret of producing winter eggs. One of the lessons issued by the American School of Poultry Husbandry of Mountain Grove, Mo., prepared by T. E. Quisenberry, Director of the Missouri State Poultry Experiment Station, and president of this school, treats this subject in an intensely practical manner. It is only one of the twenty-four lessons which comprise the correspondence course offered by them, and which are helping the poultrymen in forty-three states and several foreign countries to turn failure into success. It is a most complete course in poultry husbandry. This lesson on "Feeding for Winter Eggs" is worth the price of the entire course. One dollar starts you. Read the advertisement in another part of this paper. Satisfaction is grananteed or your money back. Mention this paper and write today for the free booklet, which tells the whole story.

Owen Farms' Latest Victory.

At the recent New York State Fair held at Syracuse, N. Y., Owen Farms birds won 10 out of a possible 24 firsts and 9 seconds. These were placed on their White Plymouth Rocks, White Orpingtons, White Wyandottes and S. C. Rhode Island Reds. They also won $100 Manning cup for 10 best and most typical birds of one variety; $100 Park & Pollard cup for best 1914 youngster; $50 cup for best 10 birds in the American class; Club cup for best collection of White Plymouth Rocks. Numerous shape and color specials went on Owen Farms birds. The above is a grand record considering the fact that these birds won in the hottest classes ever brought together at a state fair. They won 1st, 2nd and 5th cockerel in a class of 342 S. C. R. I. Reds. No Buff Orpingtons were shown by Owen Farms at this fair, as they had sold birds in this variety. If in need of some excellent show birds ready to win in any show, write Maurice F. Delano, proprietor, Owen Farms, 107 William street, Vineyard Haven, Mass.

W. R. Curtiss & Co.

Hardly a day passes but we have occasion to think of, and to remember our trip to the Niagara Farm, Ransomville, N. Y., last Spring, for we believe it to be the most successful poultry plant we know of. There can be no question of their success, and with this in view we have often to refer to it.

Their progress dates from the beginning of their business over 30 years ago, and the great results we see today of a 100,000 or over chickens and ducks raised to market age and as many more sold as baby chicks, with other thousands sold for breeding and exhibition purposes is all the result of a modest and small beginning with one pen of birds.

It is a practical farm, a place where results in every department are demanded and one that assures to their customers the same high-grade quality bred for results that their experience and breeding for all these years has produced for them. The great laying hens and the fast-growing and maturing ducks are the results of their own selecting, so when we consider practical qualities we will admit that their years of breeding should have special values along these lines.

Mammoth Pekin Ducks have long been a leading feature here and again we are perfectly free to say that we never have seen ducks of such wonderful size and quality as here, their entire line of breeders and young show the grandest quality and the best of size and they have won for them and their customers the country over. They are mammoth in name and in fact.

White Runners are becoming very popular and the Niagara line is particularly fine, full of vigor and all desired quality. Their this year's breeders, numbering over 400, were a revelation to me and were fully written of at the time. They also breed the American Fawn and Penciled English Runners.

In Poultry they breed White Rocks, White Wyandottes, White Leghorns and R. I. Reds. Just at this time they have an exceptional lot of yearlings to offer the trade and those interested will do well to correspond with them. It is an old and reliable line they offer and this is the time to buy and save money.

Mr. Curtiss informs me that this is the proper and best time to purchase breeding ducks and be assured of getting the best breeders, also that they have hundreds of choice birds for sale at most reasonable prices. We feel as poultrymen that we owe much to this firm, for they have led the way and have surely shown what can be accomplished. We like to recommend them, for we are always sure of the results; they have the quality desired and are bound to please their patrons.

NIAGARA BRAND GREEN CUT CLOVER.

For upwards of 20 years Green Cut Clover has been their staple. It is the best green food for ducks or poultry that can be bought. The birds like it and will eat much more of it than of alfalfa and give better results. We have used this for years and have always gladly recommended it, for it is clean, pure and wholesome.

Their catalogue we consider to be the best feed book we know of. The formulas are original and their own, tested and made to give results. Write them for this and for your wants, and mention A. P. J.

H. P. SCHWAB.

S. C. Buff Leghorns.

On a recent visit to the home of F. S. Smith, Hamilton, Ohio, we visited the various farms where his famous S. C. Buff Leghorns are raised. He has in the neighborhood of five thousand of the best young stock he has ever produced, which is proof positive of what select breeding will do. It is Mr. Smith's custom to let farmers raise his Buffs on shares, he taking half the pullets and cockerels and selecting the birds of fine type and grand color, and the results each year mean a decided increase in the number of excellent birds. This system is certainly a winner.

Mr. Smith begins hatching in December and has matured birds very early, with months of fine weather and range to make them healthy and with great vigar to face the winter and keep up a great laying record. In the past years he has bred other varieties, but for the past 14 years he has specialized in Buff Leghorns. He is one of the largest specialty breeders of Buff Leghorns in the world and his Leghorns win anywhere and everywhere. He can at all times furnish them in large numbers and has shipped as many as one thousand in a day. Before the flood of two years ago gave him the worst of it he raised them in large numbers, but the five thousand he has this year will more than make up in quality and place him on easy street again.

Mr. Smith operates twenty 250-egg incubators and fourteen 400-egg machines and keeps them filled all the time until May. He furnished baby chicks by the thousands.

Again referring to the quality of his stock, I can truthfully say that I never saw so many good ones together before, the color golden buff and the type ideal. Buff is one of the colors that will always be popular and is now extremely so. That Smith's Buffs stay buff is shown by males three and four years old that are finer than many breeders' cockerels. The head points are excellent—five-point combs on a large majority of them and lobes are very white.

During the past few years he has shown at 13 of the largest shows and has over 40 fine silver cups ranging in value from $10.00 to $200.00. He is a man that always satisfies his customers, and his catalogue contains many fine letters from satisfied buyers. Write for a copy.—H. H. Coburn.

Sheffield Farm's Birds Win at Leading Fairs.

"Premier" Partridge Wyandottes, in strong competition, won every first prize at the New York State Fair, Syracuse, N. Y., and every first at the Forest City Fair, Cleveland, Ohio, as well as specials in cash and cups. These two fairs are the first that Sheffield Farm, Glendale, Ohio, have shown at this fall. They further advise that business is booming and that a very prosperous season is in sight for the breeders. Write them your wants in show birds or utility stock. They can supply you anything you desire in Partridge Wyandottes at reasonable prices and guarantee to please. Mention American Poultry Journal when writing.

A Big Leghorn Farm in Missouri.

Twenty-five miles from St. Louis, on the Frisco R. R., Memphis branch, there is one of the best Single Comb White Leghorn farms in the country. All buildings modern, up-to-date, with every labor saving device, representing an investment of $10,000 in buildings alone.

This is Bella Vista Farm—capacity 3,000 birds, all Young-Wyckoff strain. They now have somewhat over 4,000 birds, and before putting them in winter quarters they will sell 1,000 hens, pullets and cockerels at reasonable prices. If interested write for prices and mention number wanted. A neat catalog will be mailed free. We can recommend Bella Vista Farm as responsible company. Correspondence should be addressed to Bella Vista Farm Co., Kimmswick, Mo.

First Big Win.

A. A. Carver, of Seville, Ohio, breeder of Red Sussex, Rhode Island Reds and Golden Campines, makes his first big win of the season, at the great Forest City Exposition, Cleveland, the Hagerstown of the middle west, 3,500 birds. They won ten firsts, seven seconds, and every bird but one placed. Their record is over 100 prizes the past twelve months in such shows as Chicago Coliseum, Madison Square Garden, Buffalo, Cleveland, Ohio; American Poultry Association show. They also report winnings of their customers in over twenty-five states. See their ad elsewhere in this issue offering stock at rock bottom prices.

Fashion Plate Buffs at Forest City Fair.

A. E. Martz & Son, breeders of Fashion Plate strain S. C. Buff Orpingtons, located at Arcadia, Ind., have just advised us that they won at Forest City Fair, Cleveland, Ohio, as follows: First pen, first and second cockerel, first and second pullet, third and fourth cock. This firm has some fine show birds for sale ready to win for you at leading shows. Also some excellent utility stock for sale. Look up their announcement in this issue and write for full particulars.

There has long been a demand for a safe and sure poultry drinking fountain that absolutely would not freeze in extremely cold weather. Realizing this, the Otis & Moe Manufacturing Co. of Chicago have just put on the market an artificial heater that can be adjusted to any size of their top-fill square pan poultry drinking fountain. These heaters are substantially made, of heavy galvanized iron, and constructed so that the lamp cannot be blown out in the stormiest weather. They make the Moe's Top-Fill Fountain absolutely non-freezing in the coldest climates. They are simple and safe to operate, with every precaution taken in their construction to do away with all danger of ignition. They are fully as meritorious as the many other useful articles in Moe's line, and herewith an unsolicited comment regarding the same:

Parsonage of M. E. Church,
Mt. Hermon, N. J.
Rev. E. F. Fowler, D. D., Pastor.
Delaware, N. J., Aug. 31, 1914.

Otis & Moe Manufacturing Co.,

Gentlemen: I wish to say that I have found your poultry appliances the best I have used in an experience of 26 years, and I take great pleasure in recommending them to my friends in the poultry business.

Enclosed find check for three Sanitary Feeding Troughs No. 21, which kindly ship immediately by parcel post.

Signed. Dr. E. F. Fowler.

Marshall's Evergold Buff Wyandottes made a fine winning at the great North Randall Fair, Ohio, August 20-27, winning 1-2-3-5 cock, 1-2-3-5 hen, 2-3-5 cockerel, 2-5 pullet and 1-2-3 pen. The quality was even better than last year. Buff is one of the staying colors in popularity and the Rocky Run Buff Wyandottes have given Buffs another boost. Under the skillful management of Gerald Williams, the Evergolds are easy winners anywhere. There are 1,000 at Rocky Run and they are the finest flock in the country, showing quality all along from chicks to old birds. Write for prices and get one of the Evergold Buff cockerels to help out your young stock next season.—H. H. Coburn.

Editor American Poultry Journal.

Dear Sir: Last fall I purchased a copy of Dr. Woods' book, "Open Air Poultry Houses for All Climes," and built a house 20x48 feet set on cement foundation with ⅞-inch floor; rear and two ends and back boarded on inside with ⅞-inch flooring, roof and all sides covered with 3½-ply roofing. House divided in three 9-foot pens and four 5-foot pens, solid partitions between. I am breeding S. C. Anconas and Silver Campines. I put the birds in this house last November and never had a frosted comb or sickness of any kind, birds singing and shelling out 60c eggs. House and litter always dry. This is the only house for me.

William Crede,
Elgin, Ill.

Charles G. Pape, of Fort Wayne, Ind., the well-known breeder of S. C. Black Minorcas, informs us that he has some exceptionally early hatched cockerels and pullets and that he is in a position to furnish some very choice birds for all the early fairs and winter shows. Pullets were laying September 1st. He has cockerels that are exceptionally large and long; in fact, more fully developed and of better style and quality than during any previous season. Mr. Pape's reputation for square and honest dealing is so well known to our readers, it is not necessary for us to make any comment on it. Anyone desiring high-class S. C. Black Minorcas would do well to write Mr. Pape for prices and particulars.

Kingsland, N. J., Sept. 8, 1914.
H. I. Co., Salem, Va.

I have formerly used "Oculum" and have found it very satisfactory in every way. All my birds grew as rapidly as weeds, and people were surprised. But I have not had chickens in over two years, so I am going to try again, only along the "right way," and that is the "Oculum Way" for me and mine.

Enclosed find money order for a bottle of "Oculum."

I believe in the old saying, "An ounce of prevention is worth a pound of cure."

Respectfully,
Peter F. Ewerts, 260 Ridge Road, Kingsland, N. J.

W. F. Zimmerman, Willoughby, Ohio, showed a few of his famous Reds at the Randall Fair August 20-27 and won 1st cock, 1-2-4 hen, which shows that his Reds moult red and can hold their own with the best of them. Write him for prices on cockerels for choice breeders and show birds.—H. H. Coburn.

$8.50 Buys 150 Egg Incubator
and 150 CHICK BROODER
The most startling offer ever made. Quality guaranteed—money back if not satisfied. $8.50 buys two—Think! Why pay more? Write quick for details.
Rockford Incubator Company
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Incubator $6
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ANCONAS.

ANCONAS, BOTH COMBS. Young stock ready. Write Wm. S. Rathbun, 8 Kingsbury, Jamestown, N. Y. 10-12

BERRY'S PRIZE WINNING Anconas, 2,000 for sale. Dr. J. E. Berry, Powhatan Point, O. 9-11

BIEHLER'S SINGLE COMB ANCONAS. Stock for sale, young and old, at $1.50. Great winter layers. J. A. Biehler, Strasburg, Ill. 9-1

MEYER ANCONA FARM, CANTON, O. Our stock bred specially for heavy layers and winning clean sweeps wherever exhibited proves our quality. Breeding stock. 2-14-tf

ANCONA PULLETS—From stock bred and hatched by Sheppard. April, May or June hatched. Delivery in October and November. Fitzgerrell Ancona Farm, Milford, Mich. 8-10

FOR SALE—300 grand, large, dark yearling Single Comb Ancona breeding birds. In excellent condition. Ten females mated to one male not akin for $15.00. Geo. C. Schwegman, Richmond, Indiana. 8-10

GRIMM'S CELEBRATED Anconas, winners of first prizes at leading shows, including the recent ones at Kansas City and St. Louis. Quality high. Prices low. Booklet free. Eggs, $1.50 to $5.00 per 15. Every egg guaranteed fertile. Fred Grimm, Webster Groves, Mo. 1-14-1yr

SHEPPARD'S FAMOUS ANCONAS — THE world's best. See display advertisement first page. Cecil Sheppard, Berea, Ohio. 11-13-1yr

BANTAMS.

BEAUTIFUL BANTAMS. Black-tailed white Japanese. Elegant pets. Prolific layers. Ready for exhibition. Miss Alice Andrus, Wellington, Ohio. 10-12

BANTAMS. ALL VARITIES. Pairs $3.00, trios $4.50. Robert V. Haie, Shelbyville, Indiana. 10-12

THE BEST IN WHITE Japanese and Black Rose Comb Bantams. Winners at New York and Boston. Grand show birds and breeders for sale. Also Buff Cochin Bantams, $5 per pair. C. F. Davey, Vineyard Haven, Mass. 10-12

WORLD'S FINEST BANTAMS, 37 varieties, shipped on approval; catalogue. F. C. Wilbert, Grand Rapids, Mich. 9-11

EXHIBITION JAPANESE BANTAMS. Black Tailed, White, Black, Golden Sebright, Black Rose Comb, Booted and Polish. Young and old for sale. Hez Kinter, Dillsburg, Pa. 8-10

WHITE COCHIN BANTAMS. Scoring 96¼. Winners Chicago, Pittsburgh, Philadelphia, Indianapolis, Buffalo, St. Louis, Kansas City, Cleveland, etc. Satisfaction guaranteed. Catalogue. I. R. Mankel, Upper Sandusky, Ohio. 8-12

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BANTAM SPECIALIST. Buff, Black, Partridge Cochins, Light and Dark Brahmas. I ship on approval. Circular free. Geo. C. Salmon, Port Dickinson, N. Y. 1-14-tf

BANTAMS bring profit and pleasure. Our monthly tells how and why. Send 50c for a year's subscription or ten cents for a three months' trial. American Bantam Fancier, 933 Advertising Bldg., Chicago. 1-14-tf

BRAHMAS.

LIGHT BRAHMAS. Dark Cornish, fine cockerels, pullets, $2.00 each. J. F. Gossard, Lanark, Ill. 10

BUTTERCUPS.

SICILIAN BUTTERCUPS. Excellent stock for sale cheap. J. A. Shott, New Wilmington, Pa. 10-12

BUTTERCUPS. UTILITY and show birds for sale. Prices reasonable. Fred Coulson, Malta, Ohio. 10

ELMDALE BUTTERCUP Gardens. Grand utility and show stock for sale. J. Blanksma, Firth, Neb. 10-11

BUTTERCUPS FOR SALE. Alvinian strain. Alvina laid 309 eggs in one year; circular. Rev. Sahler & Sons, Harlingen, N. J. 9-11

SICILIAN BUTTERCUPS of quality, exceptional bargains in eggs and breeding stock now. Rood, Buttercup Specialist, Garrettsville, O. 8-11

BUTTERCUPS—good stock—young and grown. Special prices. Nina Hoswell, Ottumwa, Iowa. 8-10

BUCKEYES.

BUCKEYE STOCK AND EGGS from blue ribbon winners. Catalogue free. Lindley Place, Meshoppen, Pa. 5-13-tf

CAMPINES.

JACOBUS CAMPINE BARGAIN SALE. Breeders must go to make room for young stock. M. R. Jacobus, Original Introducer, Box 3-J, Ridgefield, N. J. 10

SILVER CAMPINES, young stock from prize winners, Jacobus strain. Mrs. J. E. Daugherty, Wysox, Pa. 10-12

IMPROVED SILVER CAMPINES. Choice stock reasonable. Rev. W. Berberich, Groton, New York. 10-12

IMPROVED SILVER CAMPINES. Stock for sale. Show birds a specialty. W. B. Lashley, Powhatan Point, Ohio. 10-12

SILVER CAMPINES. Finest strains in America. Great bargains in choice range-raised cockerels. Anstiss Church, St. Joseph, Michigan. 10

A FEW FINE Silver and Golden Campines for sale cheap, if taken at once. Golden cockerel, son of first Chicago cockerel. Chas. Ingold, Flanagan, Ill. 10

CAMPINES. Cockerels $2.00. Would trade for pullets. Roy Abrams, Greencastle, Ind. 10

GOLDEN AND SILVER CAMPINES. Have broken up breeding pens. Offer at low price limited number of yearling hens. Manhattan Farms, Geo. E. Noeth, Owner, Brighton, N. Y. 9

CHAMPION IMPROVED SILVER and Golden Campines. Kennedy's best. Hen feathered males that will win and improve your flock. Thos. Brogden, Rush Lake, Wis. 9-11

SILVER CAMPINE TRIOS, $6.00 (April hatched). From Kennedy stock. H. M. Powers, La Grange, O. 9-10

IMPROVED GOLDEN and Silver Campines, imported yearlings. Young stock for sale. Farm raised. Prices reasonable. Klager's Poultry Yards, Hespeler, Ont. 8-10

M. BAYERDORFFER, Oakwood Heights, N. Y. Silver Campines. Bargains yearling hens and cocks. Cockerels from special white hackle matings, reasonable. 8-10

FOR SALE—Mothers of first coop and first pullet Silver Campines, Columbus, 1914, and 25 Silver Campine yearling hens, imported and Kennedy, Jacobus and Manhattan Farm's first prize stock. Many show birds among them, also limited number of young Goldens later. R. O. Woods, Lima, Ohio. 8-10

REDUCED HALF PRICE—Improved Campine eggs. Both Silver and Golden—winners wherever shown. None better. Send for free circular and mating list, before eggs are all booked. The Martling Hennery, P. O. Box 186 N, Ridgefield, N. J. 2-14-1yr

CAMPINES LAYERS EXTRAORDINARY—Why should you consider them? A few more clear-backed Golden males, exhibition stock, breeders, eggs. Mating list. Chippewa Poultry Yards, Box 3, Seville, O. 2-14-tf

GARRELL'S PEERLESS CAMPINES have proven their superiority by their winnings at the recent shows at Kansas City, Springfield and St. Louis. If you want high class stock or eggs at modest prices, send for free booklet. Julius Garrell, Webster Groves, Mo. 1-14-1yr

CORNISH.

LET E. W. CARD, Oneonta, N. Y., give you prices on 1914 Bargains of his Dark Cornish of Quality, the greatest breed for utility. 10-12

200 DARK CORNISH. Hardy, Northern raised, as good as they grow, $1.00 to $5.00 each. Waltham Poultry Yards, Waltham, Minn. 10-12

"SUPERIOR" DARK CORNISH. Winners at State Fair, Lancaster, Chillicothe. Good breeders at bargain prices. C. Leitnaker, Basil, O. 9-11

CHAMPION DARK CORNISH. Prize stock, half price. Morris & Rearick, Eaton, Ind. 8-11

DOMINIQUES.

FARM RAISED. BRED from winners. Stock, Eggs. C. W. Besse, Jefferson, Maine. 10-4

ENGLISH RED CAPS.

ENGLISH RED CAPS, imported and domestic, twelfth year. Cocks, $5.00; hens, $2.50; cockerels, $3.00; pullets, $3.00. R. P. Weidenfeller, Mineral Point, Wisconsin. 8-10

GAMES.

SILVER DUCKWINGS. Red Pyles and Black Breasted Reds. Jesse Bromley, Washington, Mich. 10-12

PIT GAMES. Six of the gamest and most beautiful strains, all at their best. Winners all over this country and Mexico. Cocks, stags, hens and pullets for sale. Send for circulars and testimonials. W. C. Byard, Walnut Hill, Cincinnati, Ohio. 10-12

GAME FOWLS, gaffs, game books, etc. Catalogue free. H. P. Clark, Mansure Bldg., Indianolis, Ind. 9-11

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SILVER SPANGLED AND BLACK HAMBURGS, "Black Diamond" strain. Highest honors at Madison Square and other leading shows. A trio we sold in 1913 won 1st cock, 2nd hen at the Palace show and 1st cock, 1st and 2nd hens at Madison Square. Eggs, $3.00, $5.00 and $10.00. Will L. Clark, Pres. Am. S. S. Hamburg Club, Sullivan, O. 2-tf

HOUDANS.

HOUDAN COCKERELS from heavy laying hens. Prices reasonable. Henry D. Barto, Route 2, Manlius, N. Y. 9-11

HOUDANS. Proprietor all Peterson's. Also book, 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 11-13-tf

HOUDANS. EGGS AND STOCK. Boston winners. Stamp. Reply. S. L. Morse, Harrison, Me. 5-13-tf

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BLACK LANGSHAN COCKERELS, pullets and trios. $1 up. Exhibition and utility stock. The Knolls Poultry Farm, M. Uphoff, Schenectady, N. Y. 10

BLACK LANGSHANS, 265-egg strain. Winners at Chicago. Eggs and stock. Springvalley Farm, Lorenz & Co., Perryville, Mo. 9-11

S. C. WHITE LEGHORNS.

BULLY GOOD WHITE Leghorns; 500 yearling hens of high utility qualities, 80c, 85c, 90c; Waterloo, N. Y. Will stand return expressage any lot not satisfactory; circular free. George Phillips, C11, Seymour, Conn. 10

SINGLE COMB WHITE LEGHORN COCKS for sale, $1.00 to $5.00 each. These are the noted Ferris strain, noted for prize winning and egg producing stock, each cock a prize winner. W. F. Bradford, Wheeler, Mich. 10

SINGLE COMB WHITE LEGHORN cockerels, 196-egg strain; large, blue-white quilled, scoring to 96; satisfaction or return. Winners in twenty states 1913. George W. Wolfrum, Carey, Ohio. 10-12

"TOM BARRON" WHITE Leghorn cockerels, father direct from Barron's special matings. April and May hatched, unlimited range. White Leghorns exclusively. Write for circular. Spring-Brook Poultry Farm, Dewittville, N. Y. 10-12

SINGLE COMB WHITE LEGHORNS, regular egg machines. Bred-to-lay stock and eggs for sale. Shorewood Farms Co., Saugatuck, Mich. 10

FOR SALE—S. C. White Leghorns. 500 Yearling Hens, $1.25; 500 2-year-old Hens, $1.00; 500 June hatched Pullets, 70c; 300 July hatched Pullets, 50c; 200 April hatched Cockerels, $1.25. Breeding for increased egg production for past ten years from heavy laying strain. Selling fast near home without advertising. Order soon or all will be sold. Kerlin's Grand View Poultry Farm, Centre Hall, Penna. 10-12

S. C. W. LEGHORN. Cockerels from our Indianapolis first prize matings, $1.50 each, $15.00 per dozen. Illustrated catalogue free. W. M. Harrod, Flat Rock, Ind. 10-11

D. W. YOUNG'S yard one strain cockerels and pullets. Mistletoe Poultry Farm, Greenville, Pa. 10-12

S. C. WHITE LEGHORN cockerels, bred from stock imported from Tom Barron's best pens, $5.00 per bird. Tom Hoover, Horatio, Pa. 10

BRED TO LAY Single Comb White Leghorn cockerels, 16 and 20 weeks old, $1.50 and $2.00 each. Satisfaction guaranteed. Michael H. Cannon, Catoosa, Okla. 10

S. C. WHITE LEGHORNS. Young's or Wyckoff's. Great laying exhibition stock at low prices. J. A. Shineman, Canajoharie, N. Y. 10-12

PARKSIDE STRAIN SINGLE Comb White Leghorns. Have fifty cockerels to spare, $1.00 each, or 6 for $5.00. Must have the room. Frank Wichman, Maywood, Ill. 10

S. C. W. LEGHORNS—Commerce strain. Hundreds of choice pullets, 75c to $1.50 each. Everfresh Egg Farm, Ionia, Mich. 10

1,000 S. C. WHITE Leghorn cockerels, pullets and hens, $1.25 each; six, $6.00; dozen, $11.50; 100, $90.00. Porgressive Poultry Farm, Hampton, Iowa. 10

500 YEARLING HENS for sale. S. C. White Leghorns. Also 3 months pullets. Satisfaction guaranteed. Harry Palmer, Middleport, N. Y. 10

FOR SALE—50 COCKERELS from Tom Barron's winning Pen O English Single Comb White Leghorns, Mountain Grove, Mo., 1914. M. H. Waugh, 511 Loucks Ave., Peoria, Ill. 10-11

HIGH GRADE S. C. WHITE Leghorn cockerels. March and April hatched. Good laying strain, $1.00 to $3.00. W. Baldesberger, Venetia, Pa. 10

S. C. WHITE LEGHORNS, Corning's and Cyphers' strains. Choice yearling hens, heavy layers. Price reasonable. Saint Johnsville Poultry Farm, St. Johnsville, N. Y. 10-11

S. C. WHITE LEGHORN cockerels, Young strain; elegant heads, snow white, fine carriage and tails, $5.00 each; sure winners at early winter shows. W. J. Bailey, Barnard, N. Y. 10-11

SINGLE COMB WHITE LEGHORN cockerels, hatched direct from Geo. B. Ferris' trapnested pens. Fine ones at $3 and $5. G. Gurmuth, Kenton, Ohio. 10-12

CHAMPION SINGLE COMB White Leghorns. Cocks and cockerels. Yearling hens, $1.50 each. J. H. Leffler, Sharpsburg P. O., Pa. 10-12

APRIL LEGHORN PULLETS, trapnested, 200 egg strain, $1.00; yearling hens and cockerels, $1.00. Altavista Farm, Darlington, Md. 10

S. C. WHITE LEGHORNS. High class birds. Fall and winter circular free for postal. Neubauer, Troy, Ill. 10-12

BLANCHARD - WYCKOFF SINGLE COMB White Leghorns. Hens, $1.00 now. Cocks, cockerels. Catalog free. W. Albers, Lombard, Ill. 9-11

S. C. WHITE LEGHORNS. Hens, pullets and cockerels bred from our winners and heavy layers, $1.50 to $10.00. Henry Furdu & Son, Port Byron, Ill. 9-11

CHOICE S. C. WHITE Leghorn cockerels. Prices right. Frank E. Bell, Corder, Mo. 9-11

SINGLE COMB White Leghorns. Several pure white cockerels, grandsons of Young's Edward 44th, great bargains at $2.00 each. Pullets same. Meadow Farm, Coulterville, Ill. 9-10

COMBINED HEAVY LAYING and exhibition strain of S. C. White Leghorns. Pullets and hens, $1.00 each; cockerels, $1.50 to $5.00; cocks, $2.50 to $5.00. Also Airedale terriers. J. Guy Lesher, Northumberland, Pa. 9-11

SINGLE COMB WHITE LEGHORNS. Very White. Large size. Heavy egg strain. Scoring to 96. Winners Columbus, Toledo, Dayton, etc. Satisfaction guaranteed. I. R. Maukel, Upper Sandusky, O. 9-11

300 ONE-YEAR-OLD and 200 two-year-old S. C. W. Leghorn hens, daughters and granddaughters of a $125 male bird and granddaughters and great-granddaughters of a hen with a 257 official egg record. Prices, $1.50 and $2.00. Five hundred dandy cockerels, $1 to $5. Also pullets and cock birds. A. R. Graves, Whitesville, N. Y. 8-10

BRED TO LAY Single Comb White Legborn cockerels, $1.00 to $10.00. Chemung Poultry Farm, Waverly, N. Y. 9-11

S. C. W. LEGHORNS. Yearling hens at $10.00 per dozen; cockerels from pens headed by Indianapolis first prize winner, $1.00 each. Illustrated catalogue free. W. M. Harrod, Flat Rock, Ind. 8-10

HEAVY LAYING, pure bred White Leghorn hens for breeding, $10.00; $12.00 dozen. Selected cockerels. "Peachview," Grand Junction, Mich. 8-10

$1.00 EACH—SINGLE COMB WHITE Leghorns, pullets and cockerels, yearlings and cocks. Shipped anywhere. As many as desired. Write for catalogue. Woodworth Farm, Wilton, Conn. 8-tf

S. C. BROWN LEGHORNS.

SINGLE COMB BROWN Leghorns. Fine yearling hens, cockerels, pullets. Bargains. Mrs. John Dietrich, Borden, Ind. 10-12

BARGAIN SALE—Yearling hens direct from our 211-egg Single Comb Brown Leghorns. Catalogue free. Write! K. Welday, Seville, O. 8-10

R. C. BROWN LEGHORNS.

HENS, COCKERELS, $1.50; Rose Comb Brown Leghorn cockerels, 75c. Deforest Storey, Shabbona, Illinois. 10

ROSE COMB BROWN LEGHORNS. Standard-bred, high-scoring, farm-range cockerels, $1.00 each. Pirtle Poultry Farm, Bloomfield, Iowa. 10-12

ROSE COMB Brown Leghorns from Roanoke, Norfolk and Washington winners. Cockerels and pullets, $1.00 each. J. C. Phillips, Blackstone, Virginia. 8-10

BUFF LEGHORNS.

5 BUFF LEGHORN males, 50c each; limited 1 bird to each buyer; later price $1.00; 252 egg strain, $3.00; exhibition, $3.00 to $10.00 Tecktonius. C. J. Lind, Colfax, Wis. 10

GOLDEN BEAUTY STRAIN Single Comb Buff Leghorns. Great egg record, high-scoring premium winners. I want pleased customers. Satisfaction guaranteed. F. W. Andrus, Wellington, Ohio. 10-12

500 BUFF LEGHORNS cheap, both combs. Progressive Poultry Farm, Hampton, Iowa. 10

SINGLE COMB BUFF LEGHORNS. First hen at Syracuse, New York, State Fair, in class of 17 hens, first winning for 1914. 264 awards previously. Choice exhibition males and females, shipped on approval. Wm. Crevoiserat, 34 Mill Road, Freeport, N. Y. 10-12

FOR SALE—300 grand, large, golden Single Comb Buff Leghorn breeding birds. In fine condition. Ten females, mated to one male not akin, for $15.00. Geo. C. Schwegman, Richmond, Indiana. 8-10

McGRAW'S ROSE COMB Buff Leghorns, winners at Madison Square Garden and Pittsburgh. Catalogue of stock. Percy E. McGraw, Altoona, Pa. 8-10

LEGHORNS—SEVERAL VARIETIES.

S. C. WHITE, Buff and Brown Leghorn yearlings, pullets, cockerels. Catalogue stamp. Failing Poultry Farm, LaFargeville, N. Y. 9-11

BLACK MINORCAS.

SINGLE COMB BLACK Minorca cockerels. Price, $3 each. Satisfaction guaranteed. Revell Poultry Co., Stillman Valley, Ill. 10-12

ROSE COMB BLACK MINORCAS, America's best leading strains. Nineteen years breeding this one fowl exclusively; exhibition and utility birds a specialty. Satisfaction guaranteed. J. D. Stevenson, Coshocton, O. 10-1

WHITE MINORCAS.

SINGLE COMB WHITE MINORCA cockerels, Peerless strain. Buy now and save half the money. William W. Keefer, Marietta, Ohio. 10

150 S. C. WHITE Minorcas, cockerels and hens, $2 up. Henry Heitkamp, New Bremen, O. 10

BROGDEN'S WORLD'S BEST. Rose and Single Comb White Minorcas. Catalogue. Thos. Brogden, Rush Lake, Wis. 9-11

BLACK ORPINGTONS.

S. C. BLACK ORPINGTONS. Closing out sale —100 Grand Yearling Hens and a few Cockerels and Pullets. Many Exhibition Birds. Prices extremely low. Goshen Poultry Farms, Goshen, Indiana. 10-12

BLUE ORPINGTONS.

BLUE ORPINGTONS, fourteen cockerels and two cocks for sale, three to ten dollars each. H. Rudge, Great Barrington, Mass. 10

BUFF ORPINGTONS.

FINE LARGE BUFF Orpington cockerels, Martz strain direct. Two, Three and Four Dollars. H. P. Chambers, Romeo, Mich. 10

S. C. BUFF ORPINGTONS, Martz strain. Prices reasonable. Lida Martin, Ripley, O. 9-12

"GOLDEN ROD" BUFF ORPINGTONS for the early shows. Weighing four to seven pounds. Half price until November. Richard Seward, Lewiston, Ill. 2-11

WHITE ORPINGTONS.

S. C. WHITE ORPINGTONS—Potter and Aldrich strains. 100 cockerels and pullets for sale. F. M. Gensch, Omro, Wis. 10-11

WHITE ORPINGTON HOME—Quality strain Rose Comb White Orpingtons are still in the lead. World's best and most popular utility and exhibition strain. Earl L. Cook, Munnsville, N. Y. 10-12

ORPINGTONS—SEVERAL VARIETIES.

PROLIFIC UTILITY Orpingtons a specialty. Pure Byers Strain. Hundreds. Stock, Three Dollars down. Advance Farm, Hazelrigg, Indiana. 10-12

BUY YOUR WINTER LAYERS now. Buff and White Orpington pullets, Martz and Kellerstrass strains, bred from heavy layers of good shape and color, two and three dollars each. A. F. Wahle, 3553 Yeenah Ave., Dunning, Chicago, Ill. 10-12

POLISH.

WHITE CRESTED BLACK POLISH for sale. Winners at a sacrifice. Write at once. Renner & Ushler, Park Bank, St. Joseph, Mo. 9-11

BARRED PLYMOUTH ROCKS.

DO YOU WANT Hathaway's Barred Rock Cockerels? Geo. C. Hathaway, Sheldon, Illinois. 10-12

A GRAND TRIO of Barred Rocks, cockerel matings, yearling birds. I paid $75.00 for them; forced to sell, so will accept $35.00; it's a bargain for someone. W. J. Bailey, Barnard, N. Y. 10-11

RINGLET BARRED ROCKS, both matings, hen hatched, hen raised, exhibition birds, $5.00 to $8.00. Breeders, $2.00 to $5.00. Breeding pens, $10.00 to $16.00. Sold on approval. Circulars. John Northon, Clare, Mich. 10-12

BARRED ROCK PULLETS for sale that will make splendid layers. Also incubator eggs. L. F. Thompson, Hope, Indiana. 10

FOR SALE—A FEW YEARLING cock birds and yearling hens bred from champion winning birds. Remember, we were winners this year, 1914, of first and championship cockerel at Indianapolis state show and many other prizes worthy of mention, both at Indianapolis and Chicago. Rare birds offered at bargain prices. Ringlet strain exclusively. Write for information. W. H. Goddard & Sons, 704 Riverside Ave., Muncie, Ind. 10-11

PARTRIDGE PLYMOUTH ROCKS.

"RIVERDALE" PARTRIDGE ROCKS; 650 birds. Our customers have won at state fairs and poultry shows. R. F. Schuler, Roann, Ind. 10

FOR SALE—PARTRIDGE Plymouth Rocks, Noftzger strain, that have right penciling, shape and color. Shipped on approval. Wm. Schetter, Urbana, Ohio. 10-12

SPLENDID PARTRIDGE ROCKS, all ages, moderate prices. Cyrus Pattee, South Bend, Ind. 10-11

ROCKWOOD BOOKLET DESCRIBING "Rainbow" Partridge Rocks, their history, etc., 10c. Sales list free. The Rockwood Farm, Box 1110, Norwalk, Ohio. 10-12

PARTRIDGE PLYMOUTH ROCKS—selling out; 300 head, including 1914 Illinois State Show winners, $1 to $5 each. John Hacker, Box C, Marissa, Ill. 8-10

PARTRIDGE PLYMOUTH ROCKS of the highest quality. Can furnish show birds and good breeders at reasonable prices. True Rock type and correct markings. Eggs in season, $3.00 per 15, $5.00 per 30. Will L. Clark, Sullivan, Ohio. 7-13-tf

WHITE PLYMOUTH ROCKS.

FISHEL WHITE ROCKS. Yearling hens and early cockerels from Cleveland winners. $1.50 up. R. E. Pierce, Wellington, Ohio. 10-12

WHITE ROCKS—300 Choice Cockerels, Pullets and Hens, all high scoring, many Exhibition Birds. Bargain Prices. Write Goshen Poultry Farms, Goshen, Indiana. 10-12

200 GRAND (FISHEL) White Rocks, cockerels and hens, for sale. Henry Heitkamp, New Bremen, O. 10

"FISHEL" White Rocks direct. Prominent winners under prominent judges. Our birds are strictly farm raised and are of splendid quality. In health, constitutional vigor and standard requirements they will please you. Cocks, hens, cockerels, pullets, trios and breeding pens for sale at honest prices. Booklet free. Write me. Plummer McCullough, Poultry Judge, Mercer, Pa. 10-tf

WHITE ROCKS. Yearling hens, cocks and young stock. State your wants. Free catalogue. Whiteview Poultry Yards, Mishawaka, Ind. 9-11

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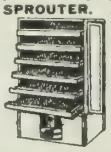
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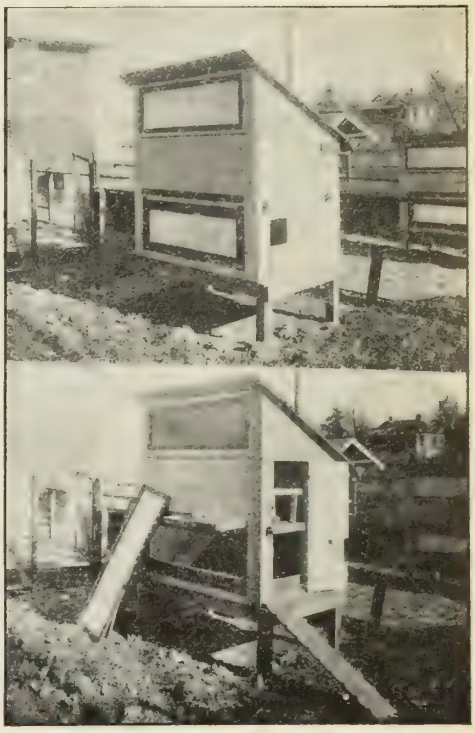
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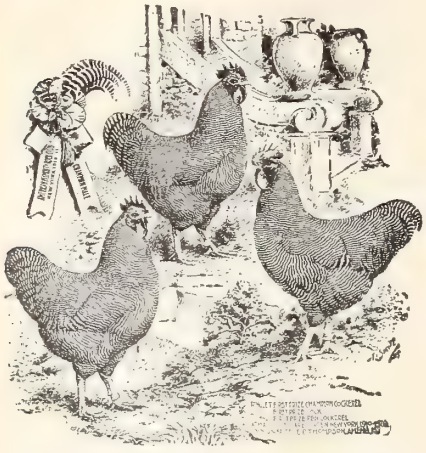
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VOL. 45 NOVEMBER, 1914 NO. 11

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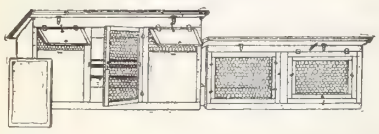


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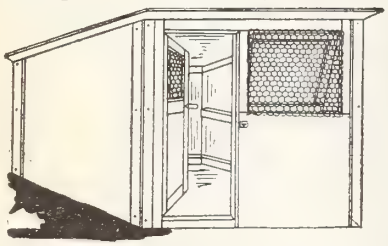
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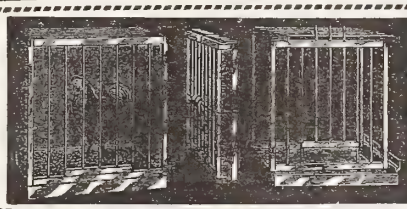
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Utility Stock	Exhibition Breeding Stock	Exhibition Show Stock	Special Pullet Offer
Good breeding Cockerels $3 and $5 per head. Good breeding Trios, or Pens, $10 and $15.	Hens or Pullets—$5, $8, $10, $15, $25 per head. Cockerels—$10, $15, $25, $50 per head.	Pens—high quality—$50, $75, $100.	Eleven **April Hatch** Pullets—excellent value—mated to a good, vigorous Cockerel $25.00

NEVER BEFORE HAS OUR OFFERING been of such high quality—never before was your chance for making a "a ten strike" in poultry raising as good as now. In National Laying Contests—1912—our Buff Leghorns led with high average of 249½ per pen—201 for individual hen.

"Tecktonius" Strain of "Buffs" carried of first exhibition honors for 8 years at Chicago, New York, Boston, Philadelphia, Baltimore, St. Louis, San Francisco, Kansas City, Indianapolis, Cincinnati, New Orleans, Memphis, Des Moines, and scores of lesser shows. Your success as a breeder—as an exhibitor—will be assured with a **Strain** backed by such an array of continuous triumphs. Send us your order today.

Tecktonius & Reed Buff and Red Farm
ROUTE 7 **RACINE, WISCONSIN**

"A fine flock"—

Rudy's Perfection Strain
White Wyandottes

will delight the most fastidious lover of fine poultry. "A fine flock" is the involuntary comment. They have that pure white color, broad back, perfect head points and well spread tail so much desired in the beautiful White Wyandotte.

I will supply you with birds that cannot fail to please—the kind that will not be overlooked by any judge—birds that you will be proud to possess and that will win the ribbons for you if entered in competition.

Remember, my birds have the reputation of winning the most coveted prizes at the larger fairs and poultry shows.



Send for illustrated catalog and moderate prices.
Satisfaction guaranteed or money refunded.

GEO. H. RUDY, **Route 15,** **MATTOON, ILLINOIS**

$1,335.00

In Valuable Prizes and Cash

GIVEN AWAY

BY

American Poultry Journal Publishing Company

This is without doubt the most liberal offer ever made by any publication, and includes

26 GRAND PRIZES

all of exceptional value, and especially the FIRST, SECOND and THIRD PRIZES. We know you have never had such an opportunity to get so much for so little effort.

The following grand prizes will be given to agents sending in the most subscriptions before midnight, January 15, 1915.

(Note—These prizes are given in addition to the cash commission and special prize for the first five subscriptions.)

1st—$500.00 Wing Piano
2d—$252.00 Candee Incubator
3d—$100.00 Cash
4th—Simplex Brooder Stove
5th—Brookfield Sectional Poultry House
6th—Keystone 100-Egg Incubator
7th-10th—150-Ck. Simplex Feather Brooder
11th-15th—100-Chick " " "
16th-20th—50-Chick " " "
21st-25th—Full Bushel Faultless Feeder
26th—$10.00 Cash

This is just to make the end man or woman feel good. It may be won, perhaps, by sending in only ten subscriptions, but $10.00 goes to the 26th winner.

In case of a tie the value of the prize will be divided. All subscriptions mailed before midnight, January 15, 1915, and bearing postmark of that date will be counted in the contest. In this manner those living at a distance have an equal chance with those residing nearby. Prizes will be awarded January 20th and list of winners given in the February issue of American Poultry Journal.

Cash Commission allowed on every subscription sent in, and a SPECIAL PRIZE is given to all who send in five or more subscriptions. This special prize consisting of a half-bushel size "Faultless" Automatic Feeder.

Immediately upon receipt of your first FIVE subscriptions to apply on the contest, we will ship you a half-bushel-size **FAULTLESS Poultry Feeder.** Remember, this is a special premium just to get you started on the way toward the larger Grand Prizes offered in the contest. Only one feeder will be given to any one agent.

Cash Commissions

In addition to this feeder the agent receives 25 cents cash commission on every one-year subscription and a cash commission of 50 cents on every three-year subscription taken at the special prices mentioned below. Show this to your friends. You save them money and are royally paid for your trouble.

The regular subscription price of American Poultry Journal is $1.00 per year, but during this contest we will allow agents to take subscriptions at a cut rate price of 75 cents per year, or THREE YEARS for $1.50, according to the following table:

AMERICAN POULTRY JOURNAL

Term of Subscription	Cut Rate	Send Us	You Keep	Counts in Contest
1 year	$0.75	$0.50	$0.25	ONE
3 years	1.50	1.00	.50	THREE

BIG THREE OFFER

American Poultry Journal, Western Poultry Journal and American Poultry Advocate

Term of Subscription	Cut Rate	Send Us	You Keep	Counts in Contest
1 year	$1.00	$0.75	$0.25	ONE

American Poultry Journal with Year Book

Term of Subscription	Cut Rate	Send Us	You Keep	Counts in Contest
1 year with paper bound Year Book	$1.00	$0.75	$0.25	ONE
3 years with cloth bound Year Book	$2.00	$1.50	$0.50	THREE

In order to secure agents' prices at least two subscriptions must be sent in. Address

American Poultry Journal Pub. Co. 542 So. Dearborn St. Chicago, Ill.

READ FOLLOWING PAGES

FREE $500.00 Wing & Son Concert Grand Piano



FIRST PRIZE **This grand $500.00 Wing & Son Piano will be given as First Prize to the person sending us the largest number of subscriptions to American Poultry Journal before January 15, 1915. It is a Concert Grand, Style 29, with French Walnut case, and certainly is a beauty. Don't let some else beat you to win this elegant prize. The winner will be especially fortunate, as this piano is one of the best made anywhere in the country. We will order it sent direct from the factory to the winner. For full description of this handsome instrument, write Wing & Son, 9th Street and Hudson Avenue, New York City, N. Y., for one of their catalogues. Read letter below from winner of piano in one of our former contests.**

FROM WINNER OF OUR LAST PIANO

I, being a raiser of fine bred poultry and an Agent of Poultry Supplies, one day while reading the "American Poultry Journal," the thought came in my mind that I could get a good many subscriptions for the "Journal" among my customers.

So I entered the Contest in January, 1909, and started in to win the Pony Rig, which was the First Prize. I kept the lead for January, February and March, then I was taken sick with Grippe and was laid up for two weeks. During this time Mr. Hartman of Pennsylvania got in ahead of me, and when I got on my feet again it was "nip and tuck" between us until the Contest closed, on the 15th of June, he winning the First Prize and I the second, ONE HUNDRED DOLLARS ($100.00) CASH, Mr. Hartman winning by about forty counts.

I felt a little discouraged in not winning First, as I am sure that I would have done if I had not gotten sick and lost the two weeks' time. However, I worked for the Company all through the summer months, selling the "Journal" on commission, and when the Fall Contest started September 10th I started in again, keeping the lead for September, October and November, when Mr. Jackson of Massachusetts ran in ahead of me, keeping the lead through the balance of the Contest, he winning First Prize, Two Hundred Dollars ($200.00), and I winning Third Prize, Fifty Dollars ($50.00). But Mr. Jackson worked in quite a different way from me, having other agents under him, and most of his subscriptions were for three years, which gave him four counts on each subscription. Mine were all one year subscriptions and I got only one count on each of them.

The next Contest opened on January 1st, 1910, but I did not enter it until the 10th of the month, as I was undecided as to whether to enter or not; but after thinking the matter over I decided to make another break, so started in. The Company put up fine Specials for January, February, March and April—a $20.00 Brooder Incubator, or a Pen of Fowls for First Prize, $15.00; Brooder, Incubator, Pen of Fowls for Second Prize, $10.00; Incubator, Brooder or Pen of Fowls, Third Prize.

I winning First for each month, and a Watch for May. This being the Second watch I won. When the Contest closed I became possessor of the First Prize, which was one of Wing & Son's Circassian Walnut Pianos.

All the prizes that I won were well worth working for, especially the Piano. It is Wing & Son's Concert Grand, which is certainly a very fine piano, and my wife being a pianist and organist, has given it a good trial, as I made the Piano a present to her for Christmas, and she is more than pleased with it.

The Piano case is very handsome, being Circassian Walnut with a beautiful grain, and it is an ornament for anybody's parlor.

I can say that any agent that works for the "American Poultry Journal" Publishing Company will be well paid, as they certainly keep up to what they agree to do.

Yours very truly,
Arthur S. Johnson.
51 High St., Mt. Clair, N. J.

FOR FURTHER PARTICULARS SEE PAGES 1280

American Poultry Journal Pub. Co. 542 So. Dearborn St. Chicago, Ill.

FREE $252.00 Candee Incubator, $100.00 Cash, etc.



Second Prize—1,800 Egg Candee Incubator Equipped with Nursery Brooder

The above 1,800 egg Candee Incubator will be given to the person sending us the second largest number of subscriptions to American Poultry Journal before January 15, 1915. This incubator is made by the Candee Incubator and Brooder Co., Eastwood, N. Y., and sells for $252.00 complete with Nursery Brooder. Here is an opportunity to go into the poultry business on a large scale and make a fortune next season raising poultry. You can hatch the eggs for all your neighbors and do it in a profitable and most satisfactory way with this grand machine. A little effort on your behalf is all that is necessary to win this elaborate prize. Start today.

GENERAL INSTRUCTIONS

All subscriptions taken to AMERICAN POULTRY JOURNAL must be taken on the merits of the paper. The agent must remit to the publishers of American Poultry Journal 50 cents for every one-year's subscription without any premium book, and for such a subscription he will be credited with ONE COUNT in the Grand Prize Contest. He must remit 75c for a one-year subscription and a copy of the YEAR BOOK, paper bound, and for such a subscription he will be credited ONE COUNT in the contest. For every THREE YEAR subscription without any book the agent must remit $1.00, and for such a subscription he will be credited THREE COUNTS in the contest. If a cloth bound Year Book is to be sent to the subscriber with the subscription, then the agent must remit $1.50 and he will be credited with THREE COUNTS in the contest.

Every agent will be furnished with the necessary coupons and sample copies upon request. If coupons run out send for more; if they don't reach you shortly, send in the names on a list, but be sure to put your name and address on this list so that we know who sent it in.

All subscriptions which are mailed before midnight of January 15, 1915, will be counted in the contest, thus giving those at a distance an equal chance with those residing nearby. All contestants will be informed from time to time just how the contest is progressing, where they stand, etc. This information will be given to all who state their desire to enter this great subscription contest. Remember, EVERYONE GETS A PRIZE who enters and sends at least five subscriptions.

CANADIAN SUBSCRIPTIONS require 25 cents per year extra for postage. FOREIGN SUBSCRIPTIONS require 50 cents per year extra for postage. *Renewal Subscriptions Count the Same as New Subscriptions. Your Own Subscription Counts the Same as Any Other.* For every subscription to the Big Three Offer, agent must remit 75 cents and receive ONE COUNT in the contest.

How to Become an Agent

Every one sending us two or more subscriptions will be considered an agent and eligible to secure one of the GRAND PRIZES. Simply send in your subscription (new or renewal) together with one more and you have qualified as agent and are entitled to agent's prices on books and subscriptions until January 15, 1915. TAKE ADVANTAGE OF THIS FACT; you may never have another opportunity like this to get agent's prices and a chance to secure one of the grand prizes.

(Agents must send in their subscriptions at least once every week; we would appreciate it if agents would send in on Saturday and Tuesday of each week, regardless of how few subscriptions you have to send in. Make all remittances by Postal or Express money order and keep your receipt, in case of complaint.)

Coupons may be Distributed by Mail

If you have friends living in other cities who are interested in poultry or who have other acquaintances who are interested in poultry, sign your name as agent to a supply of CONTEST COUPONS and mail them to these friends, telling them how they can assist you to win one of the grand prizes by filling in one coupon themselves—getting a few of their friends to subscribe and sending the coupons together with remittances either back to you, so that you can send them to us, or they can be sent direct to us and we will credit you with the subscriptions just the same as if you sent them in yourself. When calling on your friends in this manner BE SURE THAT YOU WRITE YOUR NAME AND ADDRESS ON THE COUPONS AS AGENT.

American Poultry Journal Pub. Co. 542 So. Dearborn St. Chicago, Ill.

SEE OTHER PAGES

CAMPINES-BLUE ORP'S-SUSSEX

WRITE DR. J. H. PRUDHOMME Thurmont - - Maryland

Crede's Superior Single Comb Anconas

Winners at Chicago, State Fair, Elgin and wherever shown. Wonderful layers. Write me your wants.

WM. CREDE 670 SLADE AVENUE ELGIN, ILLINOIS

WAR kills thousands, and cripples as many more. Weak eggs will cause both death and cripples in chicks. Stop this waste of eggs, time and money by using a Magic Egg Tester **before** incubation. $2.00 each. Fully guaranteed. Buy of your dealer or from the **MAGIC EGG TESTER WORKS, DEPARTMENT B, BUFFALO, NEW YORK, also BRIDGEBURG, CANADA**

LONGFIELD R. C. REDS

ARE BETTER THAN EVER THIS SEASON

Our young are the best we have ever raised and we can furnish birds bred in the same lines as our

Great Chicago Winners

in either utility, good breeding or the highest class exhibition birds. On approval always.

Longfield Poultry Farm Box 321 Bluffton, Ind.

Allentown Winning Barred Rocks

My Birds Won a Sweeping Victory

At this Great Show, Cock 1-2; Hen 1-3; Cockerel 1-2; Pullet 1-2; Pen 1-4. They are the up-to-date kind and have won for years at Philadelphia, Hagerstown, Etc. A few breeders and a select lot of youngsters for sale.

C. Guy Myers :-: Siddonsburg, Pa.

S. C. White Leghorns for Nov. Shows

Hundreds are taking advantage of our **guaranteed to win place.** We sell, train, and condition birds for you **guaranteed to win at any show.** Also choice breeding stock for sale.

Write to day. Mention American Poultry Journal.

Rogers & Muntz 620 Doulgas Ave., Elgin, Ill.

Closing Out Sale

R. C. Rhode Island Reds SENSATION STRAIN

On account of poor health I will sell off my entire flock including Cleveland, Buffalo and Chicago winners, also 65 cockerels and 70 pullets, April hatched, at 50 cents on the dollar for the entire flock or 75 cents on the dollar if sold separate. Mr. F. W. Hallet of the Inland says: "This is the finest flock of early hatched cockerels and pullets in the state."

H. H. HOLMES 49 Lockwood St. ASHTABULA, O.

Silver CAMPINES Golden

THE MARTLING IMPROVED STRAIN WIN

At the Great Trenton, N. J. Tri-State Fair, October, 1914

SILVER Cock 1; Hen 1; Cockerel 1; Pullet 1; Pen 1.
GOLDEN Cock 1; Hen 1; Cockerel 1; Pullet 1; Pen 1.

A clean up of all FIRST PRIZES and Specials at the great

New York State Fair, September, 1914

I win on Silver—Cock 1; Hen 2; Old Pen 1; Young Pen 1. Golden—Hen 4; Pullet 3; Old Pen 1; Young Pen 2; Specials, etc. At both shows I won First Prize for best dozen White Eggs and First Prize Display.

This year I have 1500 young birds and many breeders for sale all of our own breeding. Write me your wants and be sure to get my circular of interesting facts about Campines—its free. Write today.

THE MARTLING HENNERY, Box A, Ridgefield, N. J.

Show Birds in Single Comb White Leghorns

Here is the place to come for them. I have won more prizes at CHICAGO in the last seven years on birds I BRED and RAISED than all my competitors combined. My stock is better this year than ever before and can furnish the winners for any show on earth. I ship all stock on approval for your examination and exceptance. Complete catalog containing photos of winners free. Write your wants. Address

THE PARKSIDE POULTRY FARM

N. P. EASLING, PROP. BOX 40 PEKIN, ILLINOIS

WARM WATER GETS EGGS

A little Putnam stove keeps poultry founts unfrozen in, zero weather; gets the eggs. Sent on 10-days' trial, $1.50 postpaid. Booklet free. I. Putnam, Route 105. Elmira, New York.

White Wyandottes

Special prices on breeding and show stock including some of my last winter's winners.

SHERMAN BOWDEN Mansfield, Ohio



White Leghorns—YESTERLAID Strain. Pullets lay at 4½ months. Bought by 20 Experiment Stations. All stud males grand-dam record of more than 440 eggs in 2 years. Prices very reasonable. Our methods bring success. **Details free. YESTERLAID EGG FARMS CO., Dept. 5, PACIFIC, MISSOURI.**

Barred Plymouth Rocks

Winners at Chicago, Indianapolis, Memphis, Louisville, Knoxville, Nashville, Shelbyville and at leading fairs. Buy your breeding and exhibition birds from us. We are **Specialists in Barred Rocks,** have bred them for 23 years. Send for our catalogue No. 3 before placing your order elsewhere. Satisfaction guaranteed.

POPE & POPE

Box A Louisville, Ky.

WETMORE'S WHITE WYANDOTTES

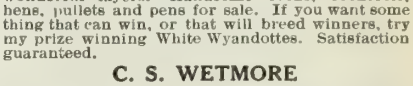
Are the kind you want. They are bred right, they look right, they are right. They were the ribbon winners at the BUFFALO SHOW, winning 1st and 3rd pullet; 2nd and 5th pen and 5th cockerel in 1913, and 2nd cockerel, 4th and 5th pullet, 1914

White Wyandottes are superior table fowl and wonderful layers. Handsome cocks, cockerels, hens, pullets and pens for sale. If you want some thing that can win, or that will breed winners, try my prize winning White Wyandottes. Satisfaction guaranteed.

C. S. WETMORE

906 Abbott Road Lackawanna, N. Y.

The Poultry Band



That's Different

Write for free sample of Stevens colored and numbered band for poultry (state breed of fowls to assure you of correct size). This band is revolutionizing marking. Made of aluminum and celluloid. **Made for baby chicks and pigeons.** Send for my free catalogue giving full particulars and prices before ordering elsewhere.

F. A. MARSHALL

203 Bancroft Ave. -:- Reading, Mass.

Saves Work! Saves Hens!

"At 23 below, Pagel's Sanitary Fountains stood the test. Water not even cold."
—Geo. Weiss, Watson, W. Va.

This unique device

Supplies Right Temperature of Water the Year Round

All Galvanized Iron. Built like fireless cooker. Keeps water cool in summer. Warm in winter Prevents diseases that stale, dirty water spreads. Because it provides plentiful supply of pure water, it increases the egg yield Prevents frozen wattles. See these fountains at your dealer's. If he hasn't them, write to us for descriptive circular and low prices.



Pagel Poultry Supply Co.
Lock Box 211
Rockford, Ill.



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

Opening Battles of 1914 Season Won

BY

OWEN FARMS BIRDS

AT

NEW YORK STATE FAIR

AND AT THE

GREAT ALLENTOWN FAIR

Buff Orpingtons

Syracuse—None shown.

Allentown—1st cock, 2d hen, 1st cockerel, 1st pullet, 1st and 2d pen, with six entries, and cup for BEST PEN in show any variety. Champion male and champion female.

White Orpingtons

Syracuse—1st cock, 1st and 2d hen, 1st and 2d pullet, 1st old pen, 1st young pen.

Allentown—1st hen, 1st cockerel, 1st, 2d and 3d pullet, 1st and 2d pen. Champion male and champion female.

White Plymouth Rocks

Syracuse—2d and 3d cock, 1st and 2d hen, 1st and 3d cockerel, 1st and 2d pullet, 1st old pen, 1st young pen, cup for TEN BEST BIRDS in show, cup for BEST TEN BIRDS in American class, cup for best 1914 YOUNGSTER in show.

Allentown—1st and 4th hen, 1st and 3d cockerel, 1st and 3d pen. 1st hen won two cups for BEST BIRD in class, all varieties competing. Champion male and champion female.

White Wyandottes

Syracuse—1st old pen, 2d young pen, 4th hen, 2d pullet, with six entries. My cock bird had not moulted a feather and could not compete with the specially moulted birds. My cockerel was much younger than the specially grown winners. I now have the finest Wyandotte cocks and cockerels I have ever seen and ready to win from this time on.

Allentown—None shown.

S. C. Rhode Island Reds

Syracuse—1st, 2d and 5th cockerel in a class of 32 cockerels.

Allentown—1st hen, 1st, 2d and 4th cockerel, 1st and 2d pen, cup for BEST RED in show won by 1st cockerel. Champion male and champion female.

26 out of a possible 44 firsts with two different strings of birds at the two highest quality fairs in all America.

Winter Shows

You now know very closely how your old birds will moult and how your young birds will develop. You will need to strengthen your string by buying a cock, hen, cockerel, pullet or pen. Why not make your winning certain by calling on my vast resources to help you out? Among my 6,000 carefully selected old and young birds are the **exact birds you need** to help you make a **sweeping victory.**

Utility Qualities

262 eggs in 290 consecutive days and 236 eggs in less than 300 consecutive days are two trapnest records reported by customers made by pullets grown here and sold by me. These unsolicited statements from my customers emphasize the utility qualities of my birds.

Breeding Stock

Carefully mated pens for breeding utility or show birds are now offered in all my varieties. Pens will be carefully selected by Mr. Davey or the writer, whose experience mating thoroughbred poultry covers 35 and 25 years respectively. If you want line-bred birds that lay, pay and produce quality; strong husky birds that have never known a sick minute and that have been grown on free range under natural conditions, **send your order to OWEN FARMS and receive better value than you can obtain anywhere else for your investment.**

Satisfaction Guaranteed

Every customer or I will pay return charges and refund full purchase price. Write me exactly what you need and receive my catalogue.

Owen Farms

Maurice F. Delano, Prop. **Frank H. Davey, Supt.**

107 Williams Street **Vineyard Haven, Mass.**

Building Material Prices S-M-A-S-H-E-D

NOW IS THE TIME TO BUILD OR IMPROVE

The Chicago House Wrecking Company now owned by the Harris Brothers Company decided that their best interests required more prominent use of the owners name. This Company has been favorably known to the public everywhere as "The Great Price Wreckers." The price smashing ability of this Company has earned for us an enviable reputation and justly earned title. "The world's greatest bargain center." During 22 years of successful business the four Harris Brothers have been the executive officers and owners. There is no change in our business except that the four Harris Brothers will advertise and sell their goods under our new name.



Harris Home No. 23

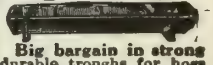
Never before in our entire history have we been so splendidly equipped to supply wonderful bargains. There isn't another firm on earth that occupies the unique position in the merchandise world that we do. The original methods which we pursue in securing our tremendous stocks of dependable material and merchandise and our enormous buying power represented by our $10,000,000 capital makes it possible for us to buy for spot cash entire stocks that are beyond the reach of ordinary buyers. We are determined to make the Fall of 1914 a memorable one with this Company especially in our departments of building material. These rare bargains speak for themselves.

Bathroom Supplies $13.00



White enameled cast iron one-piece roll rim bath tubs with nickel-plated trimmings and including fuller double bath cocks for hot and cold water. Connected waste and overflow nickel plated supply pipes. 5 foot long. Lot EA-61.

Hog Troughs



Big bargain in strong durable troughs for hogs and cattle. Heavy steel cross bars and legs securely riveted. Round bottoms 5 foot long. No. 16 gauge steel, each 89c. Order by lot EA-63.

$1098 BUYS MATERIAL TO BUILD THIS Model Farm Home

Without question the most convenient and practical design offered today. It represents the combined result of 22 years of expert planning, designing and close study of economy in material and construction. For years we have solicited suggestions from hundreds of our customers and country people everywhere. The best we have received is embodied in this design. Let us take you through it.

Basement under entire house; boiler room in rear. Boiler and coal room section and front section may be partitioned off tightly. Dust tight coal bin and root room. Outside cellar stair; large door easy to get in and out. First floor has 4 large rooms. The reception room and living rooms are separated by cased opening; giving an extra large social gathering room if desired. This also applies to the living room and dining rooms. Main stairway has a lead to kitchen permitting passage to second floor without going through living room. Kitchen is large and well arranged. Pantry will hold a wonderful lot of supplies. A large handy washroom is provided just back of kitchen. There is also a back porch between the pantry and washroom properly protected. On the second floor are 4 good-sized bedrooms each with its own closet. A linen closet is provided for and an airing porch which may be used for out-door sleeping purposes. Bathroom is conveniently located for economical plumbing.

THE MATERIAL The above price includes all first-class No. 1 dimension lumber. Clear interior trim. Beautiful glazed front door. Clear flooring. Clear Cedar shingles and siding; up-to-date hardware. Ready-cut door and window frames, inside door jambs, out door and window casings, balance in lengths to work without cutting or waste wherever possible, all glass in and back puttied.

FREE PLANS Blue print plans, specifications, material list and guaranteed delivered price to your station on receipt of the coupon below and $1.00. If the plans do not suit, return them and 50c will be refunded. The regular price without coupon is $2.00. If changes are desired, we will make plans after your own ideas.

$10,000 PLAN BOOK FREE This beautiful book is free to prospective home builders. More than 100 modern Harris Homes, barns and other buildings clearly illustrated and described. Mail coupon today for your copy.

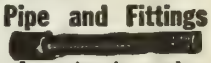
BUILDING MATERIAL BOOK FREE Every single item in building material to completely erect a building of any kind is shown in this book of economy. Lumber, doors, windows, millwork, paint, roofing, structural steel, etc., and everything at lowest prices.

HEATING PLANTS



Save one-half on modern heating plants. Eliminate the expense in installation of high priced mechanics, we tell you how. Warm air plants $67, steam plants $134, hot water plants $154.

Pipe and Fittings



Iron pipe in random lengths complete with couplings, suitable for all purposes. Size 3-8 to 12 inches. Our price on 1 inch, per foot **3c.** 1 1-4 inches per foot **3 1-2c.** Complete stock of valves and fittings.

Oak Heaters $2.45



But one of the stove snaps in our bargain book. Best made kitchen ranges, base burners, hot blast and oak heaters in all styles and sizes. Lot EA-62.

Michaelsen Paint



The name "Michaelsen" on paint has been a guarantee of quality over 80 years. Best ready mixed house paint at 89c per gallon. Order lot EA-64. Unexcelled barn paint 56c per gal. Order lot EA-65.

Strong Fencing 14c PER ROD



Strong heavy fencing adapted for hogs and all general farm purposes. 26-in. 7 line wires high. Square mesh, stays 12-ins. apart. Per rod **14c.** Order by lot EA-66.

Send Us Your Lumber Bill

For Our Freight Prepaid Offer



Prices on lumber smashed to pieces. So low that they will absolutely save you big money. Every piece brand new and up to grade. We have on hand upwards of 20,000,000 feet of high grade lumber suitable for the construction of buildings of every kind. Pay us a visit here at Chicago. See this mammoth stock right here in our own lumber yard. Here you will find every needed piece of material in just the grades you wish, whether lumber, shingles, structural steel, etc. Best of all big savings in dollars of your money await you in our unbeatable proposition. Get in touch with us at once. Write today.

4 BIG LUMBER SHIPPING POINTS

We are splendidly equipped to give fastest service making shipments from Washington, Texas, Mississippi or Chicago according to your location. This insures lowest freight charges at all times thus increasing the big savings represented in our low prices.

Roofing Snaps

Ready Roofing 75c per Sq.



95c buys the best and heaviest three-ply rubber surfaced perfect lasting roof covering. Our "Ajax" brand in rolls containing 108 sq. ft. 2 to 3 pieces in each roll. Nails and cement included. For 3-ply, order by lot EA-70. For 2-ply price per roll 85c. Order by lot EA-71. For 1-ply, price per roll 75c. Order by lot EA-72. **$1.75** buys our unequalled heavy weight white marble surfaced **Gold Metal** Roofing. One piece continuous lengths, rolls contain 108 sq. ft. An unqualified service and quality guarantee for 20 years goes with each roll. Nails and cement included. Order by lot EA-73.

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Best Metal Roofing $1.19 Per Sq.

$1.19 buys 100 sq. ft. brand new corrugated iron roofing, a good all around covering; miscellaneous lengths; light weight sheets about 2' x 2', unpainted. Order by lot EA-74. **$2.75** buys 100 sq. ft. of brand new galvanized steel roofing. Perfect light weight sheets 22" wide and 72" long 1 1-4" corrugated. Order by lot EA-75.

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Smooth galvanized fence wire very handy about the farm. Used for fences, stay wires, grape vines, etc., put up in rolls of random lengths ranging from 50 to 250 ft. Our price on No. 9 gauge for 100-lbs. **$1.13.** Order by lot EA-69.

Mixed Wire Nails



100 lbs. $1.28

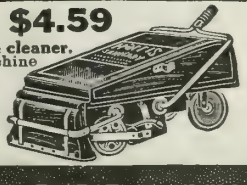
Standard wire nails put up in 100-lb. kegs, all kinds and sizes mixed together. Price per keg **$1.28.** Order by lot EA-76. Galvanized 10d new wire nails put up in 100-lb. kegs, price per keg **$1.85.** Order by lot EA-77. Handy bolt assortment of carriage bolts, machine and tire bolts, flat and round head screws, rivets and washers, about 700 pieces in all. Weight 5-lbs. Price **38c.** Order by lot EA-78.

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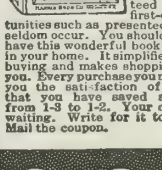
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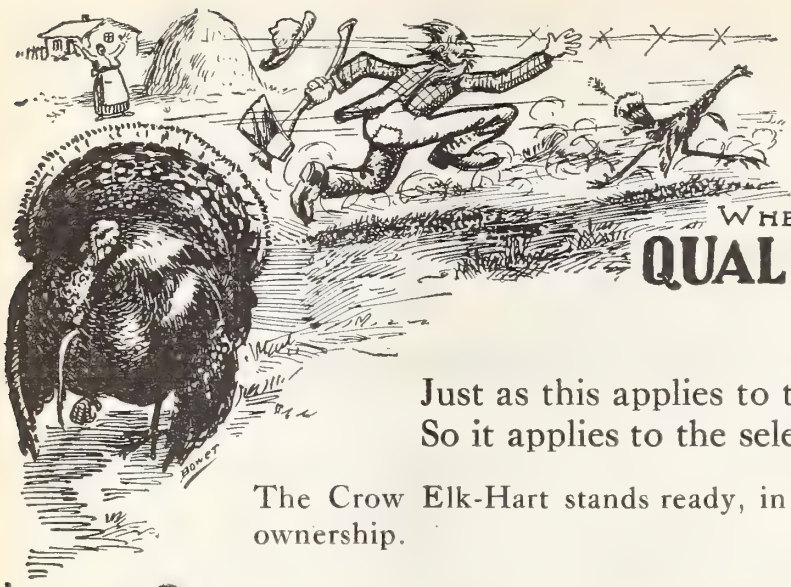
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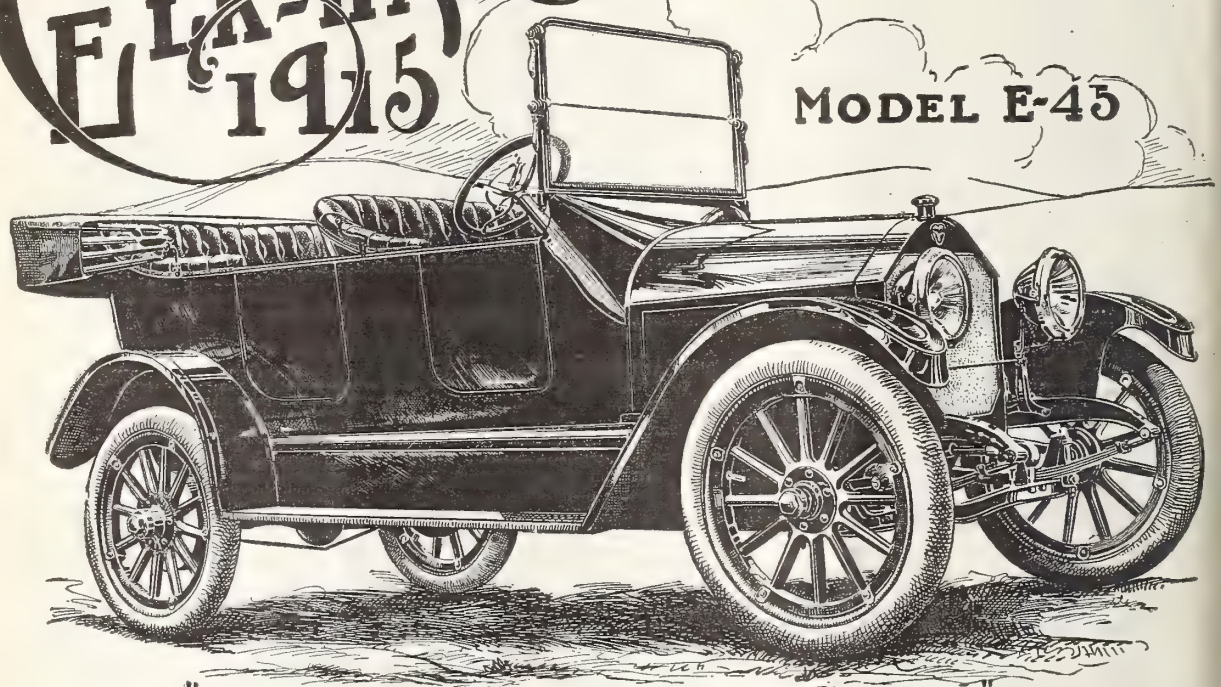


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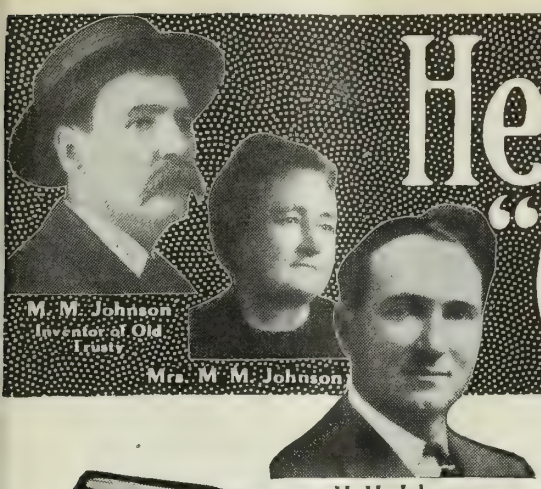
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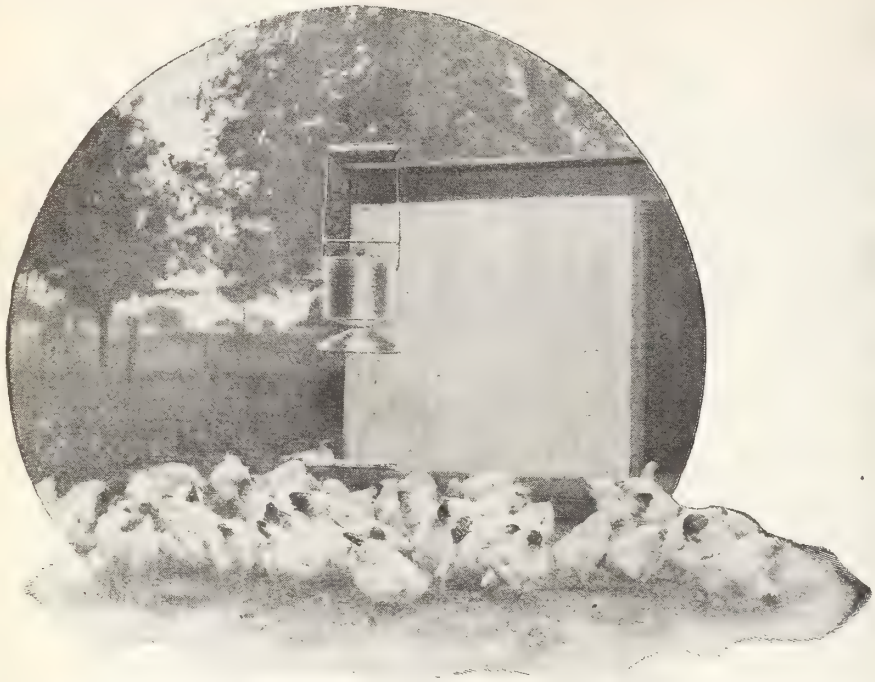
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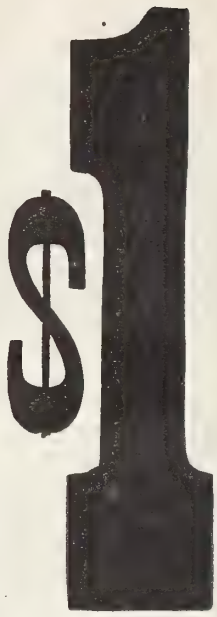
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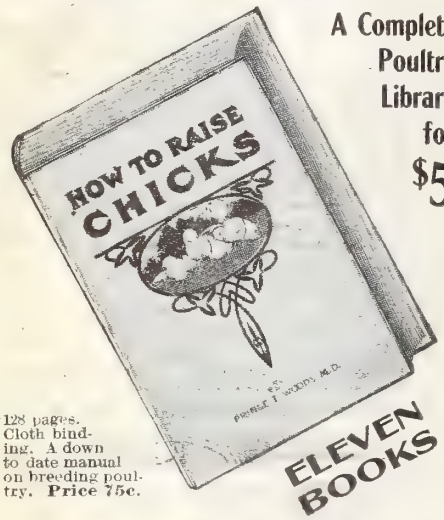
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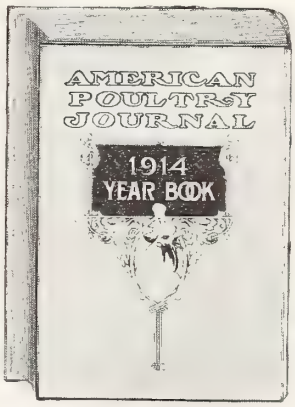
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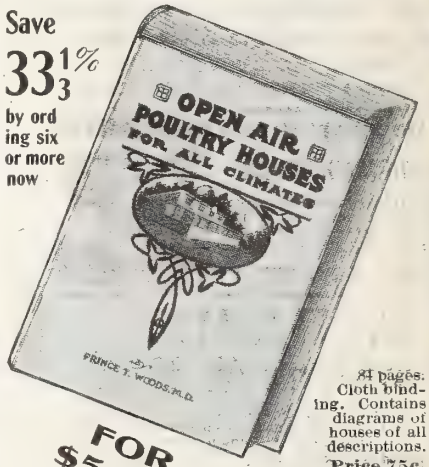
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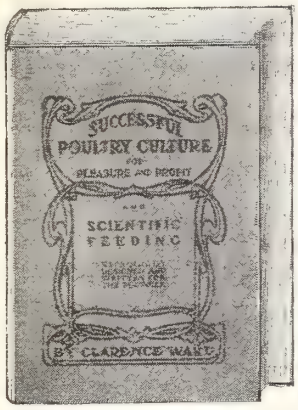
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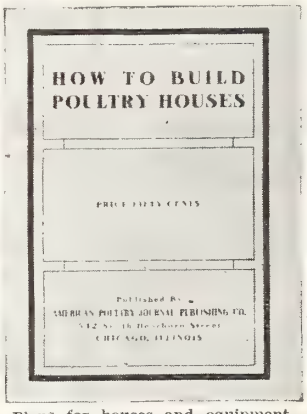


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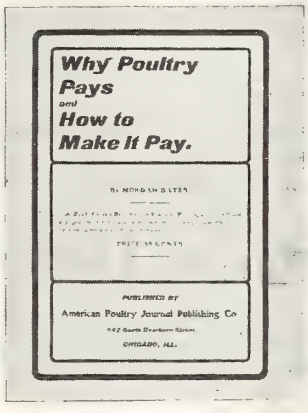
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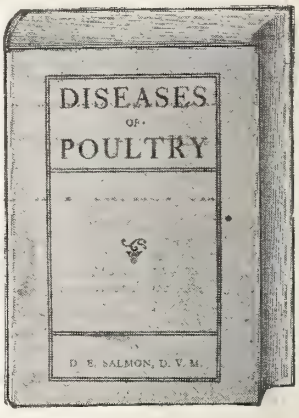
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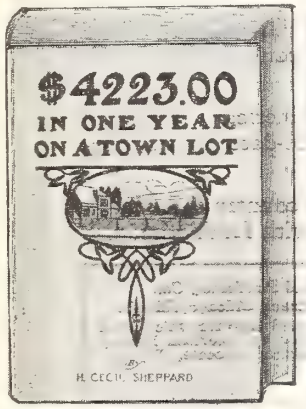
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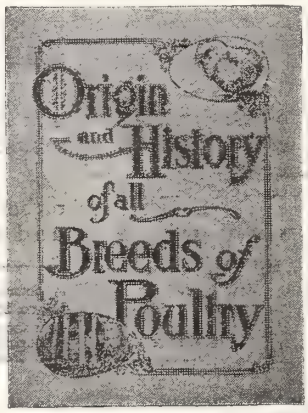
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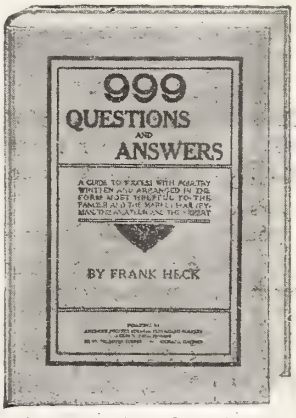
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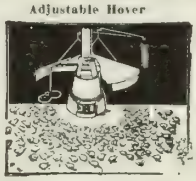
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Gentlemen: Your 1914 Year Book has just been received. This, I find, is a valuable book, much more so, in my opinion, than the one which you issued last year. I find it crammed full of valuable information from cover to cover. Yours very truly, T. E. Quisenberry, Director Missouri State Poultry Exp. Station, Mountain Grove, Mo.

Dear Sir: Year Book for 1914 just to hand and contents carefully noted. It is filled to repletion with valuable information no owner of poultry can afford to be without. Sincerely yours, B. F. Kaupp, M. D., Spartanburg, S. C.

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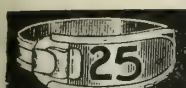
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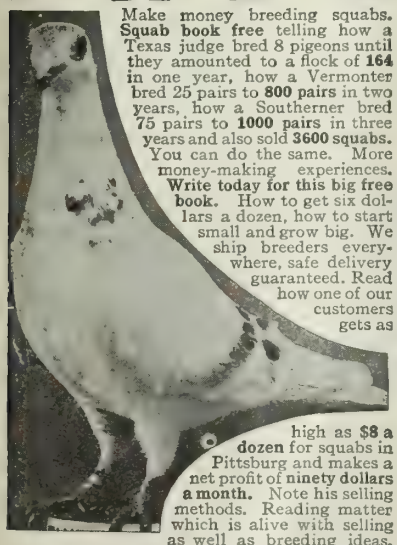
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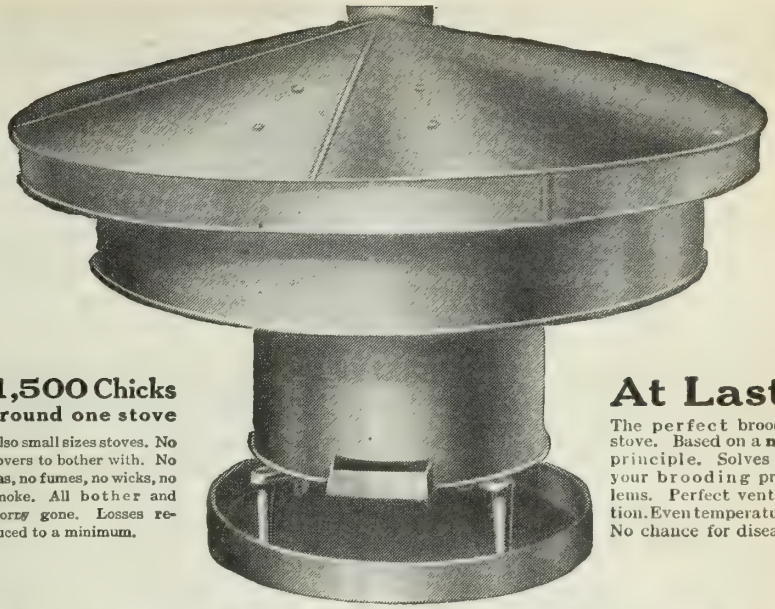
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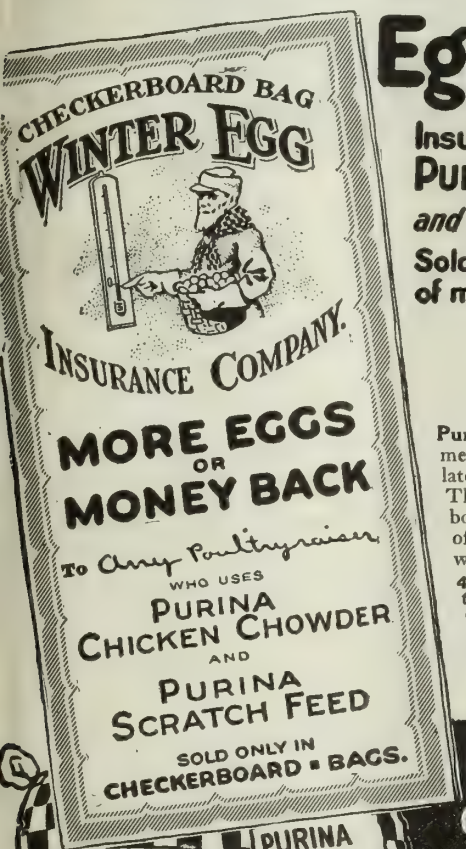
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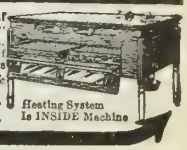
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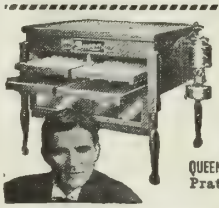
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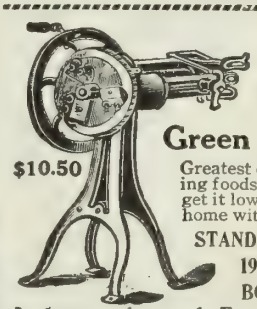


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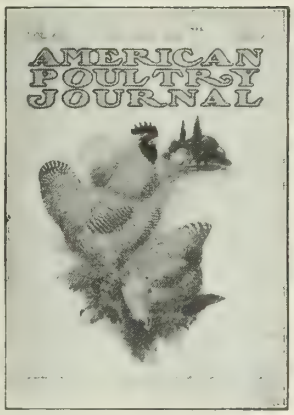
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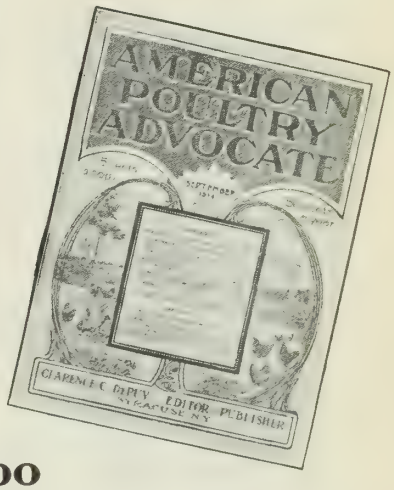
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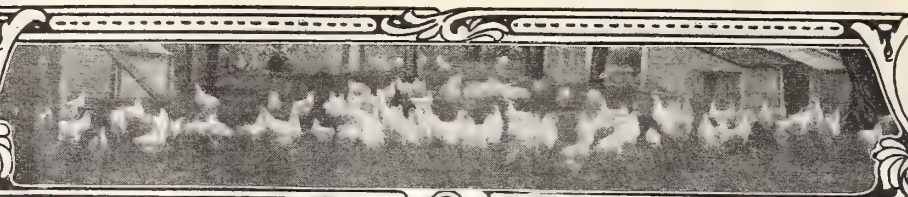
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AMERICAN POULTRY JOURNAL

Entered as Second-Class Matter August 9, 1886, at the Postoffice at Chicago, Ill., under Act of March 3, 1879.

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Success Growing S. C. W. Leghorn Chicks

First Prize Article in A. P. J. 1914 Chick Growing Contest with Illustrations That Show How The Chicks Grow

By C. H. Krumm, Towanda, Pa.



AS A BEGINNER in the poultry business, I hardly knew just how to make a start, but decided for one thing that I would start in as a contestant in the AMERICAN POULTRY JOURNAL Chick Growing Contest.

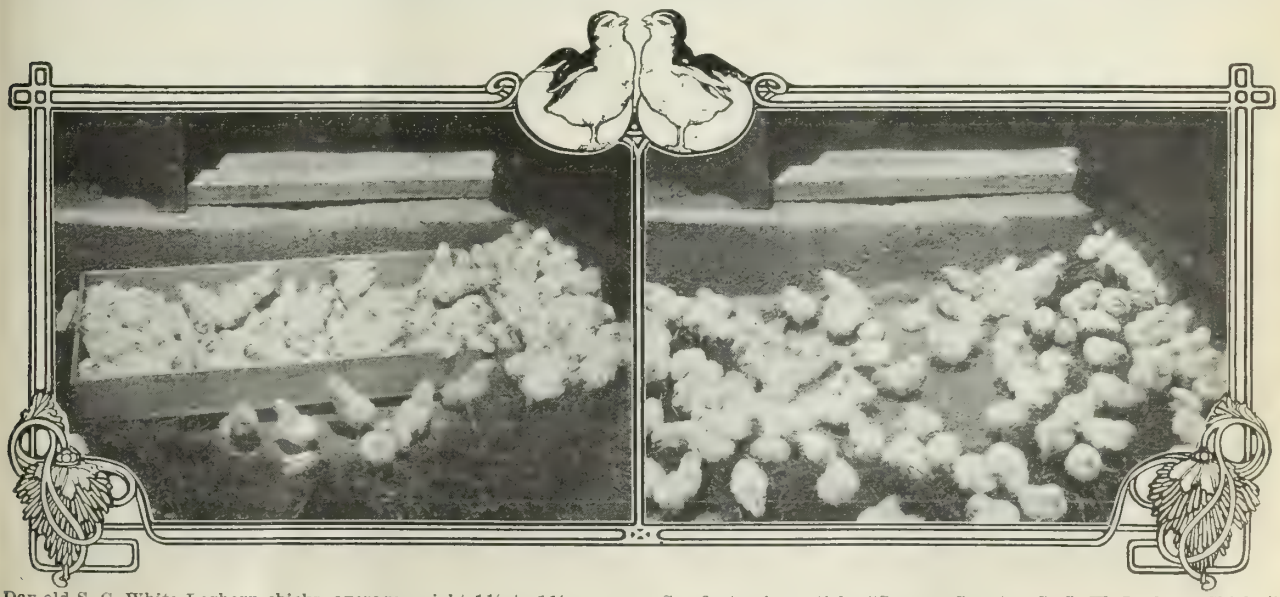
In the first place I believe that the selection and care of the breeding stock is a very important matter and I try to have only good, healthy birds in the breeding pens. Not more than fifteen hens are given to a good lively cock or cockerel. The birds are comfortably housed and are fed well on good grains, dry mash and green food, and they have plenty of exercise, all of which helps to get good, fertile eggs that will hatch strong chicks.

This is the first year that we have hatched our own chicks. We use a Cyphers incubator and after regulating the machine and keeping it steadily at a temperature of 103 degrees for a day or so we put in 211 good shaped eggs which had been carefully washed with clean water and a clean cloth. After the eggs had been in the machine for 48 hours we began turning the eggs, morning and night; changing the trays from side to side in the morning and end for end at night, with very little cooling the first week, keeping the trays out of the incubator just long enough to turn the eggs.

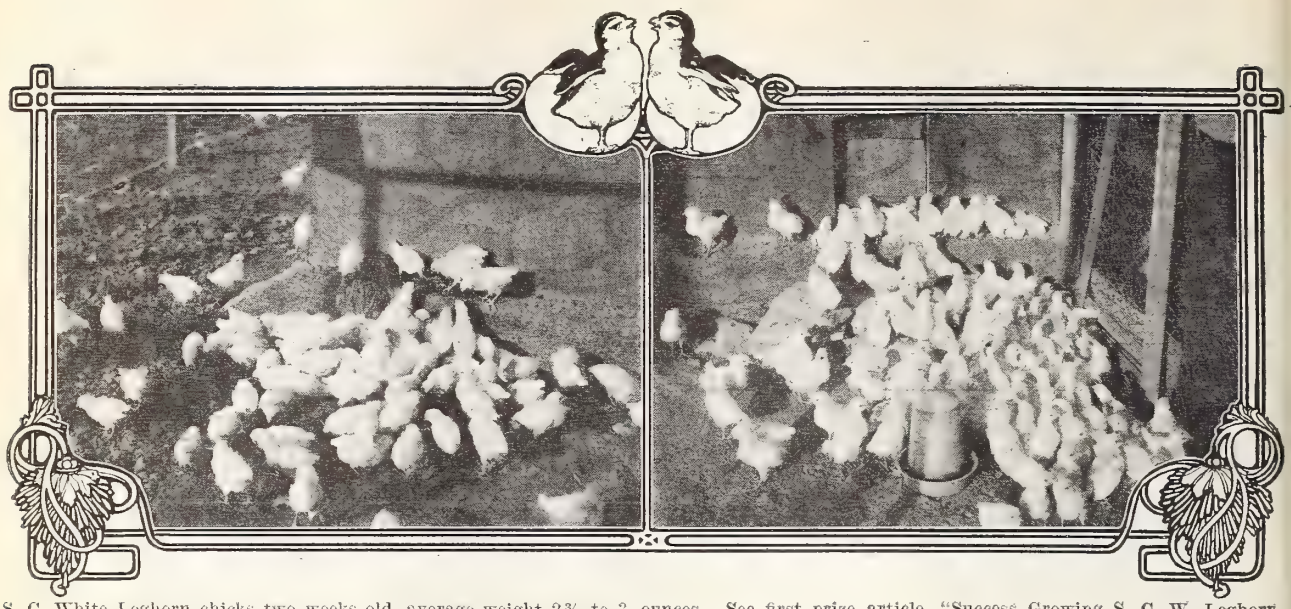
At the end of the seventh day the eggs were tested and eleven were taken out, leaving 200 eggs in the machine. The second week the machine ran at from 103¼ to 103½ degrees, and a second test was made at the end of the seventeenth day, when fourteen more eggs were taken out because they showed no development since the first test. The 186 eggs left in the incubator were turned until the night of the eighteenth day and cooled until the nineteenth night. The cooling process consisted of leaving the eggs out of the machine until an egg held against the eyelid felt just warm.

Some of the eggs began to pip the afternoon of the twentieth day, when the ventilators in the bottom of the machine were closed to keep all natural moisture in and the temperature was allowed to go to 104 degrees. The chicks started to come out in the evening and by the middle of the night they were coming out lively. When about one-third had hatched the door was opened and the trap in egg tray opened so that chicks would fall into the nursery as they came to the glass front, and the door was then quickly closed. The hatch was all over on the afternoon of the twenty-first day and by 5 o'clock they were dry enough to take out of the incubator. I had a stove brooder in a brooder house all ready to receive them.

One hundred and sixty-seven chicks hatched and they were put around the stove brooder and were a sight worth seeing. The floor of the brooder house had been well covered with sand and hay seed scattered on top of it. The little fellows would back up to the heat in a circle around the stove and were evidently comfortable, contented and happy. The temperature was kept at 95 degrees the first few days and as they grew and the



Day-old S. C. White Leghorn chicks, average weight 1¼ to 1½ ounces. See first prize article, "Success Growing S. C. W. Leghorn Chicks."



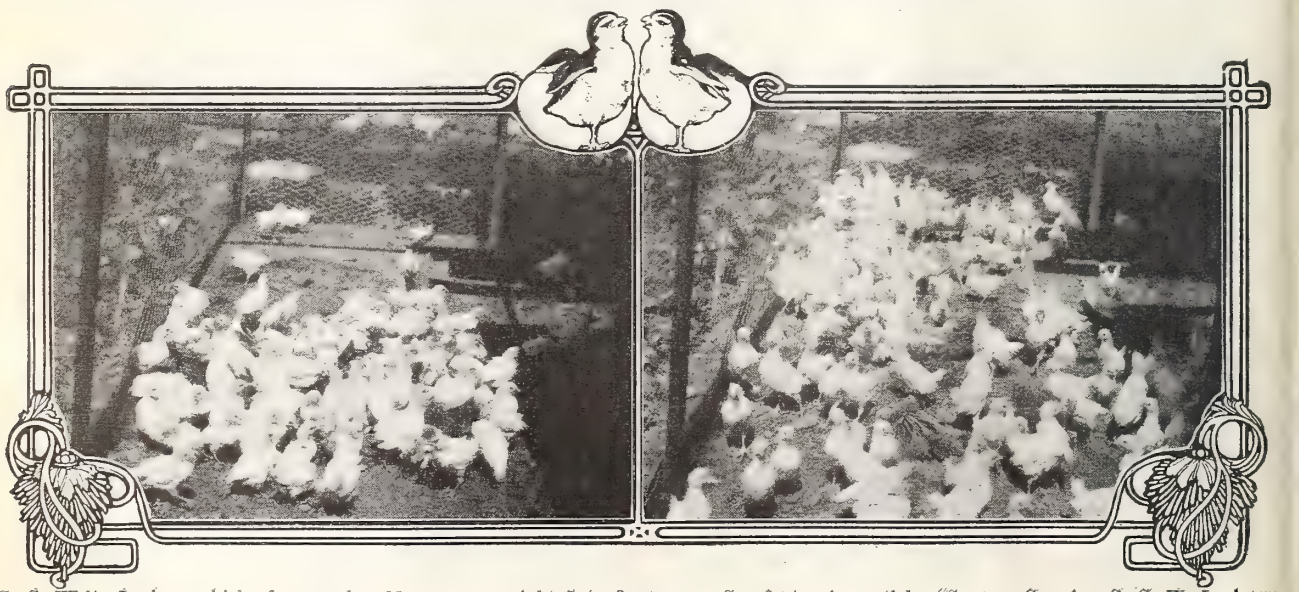
S. C. White Leghorn chicks two weeks old, average weight 2¾ to 3 ounces. See first prize article, "Success Growing S. C. W. Leghorn Chicks."

weather became warmer, it was gradually decreased to 75 degrees by the end of the tenth day. The morning following after the chicks' first night in the brooder the little fellows were carried out in front of the house to have their pictures taken for A. P. J. About noon the water fountains were filled with water that had the chill taken off. We used three fountains to give them all a chance. By afternoon they were all digging around quite lively and acted hungry. They were given a little hard boiled egg and dry bread crumbs mixed and spread out on a clean board. One boiled egg ground up shell and all was mixed with about a pint of hard bread crumbs and seasoned a little with pepper and salt and a little sharp sand added. The whole well mixed together was given at one feeding to the lot. At first they just looked at it a little while, then one picked up a bit and started to run and then all of them began to get into it and it didn't take long to clean the food all up. They certainly seem to like it. The next morning we started in early and fed them a little of the egg and bread crumb mixture every two hours, and also provided a shallow box with dry wheat bran for them to work at whenever they liked, also a box of fine charcoal was provided. On the third day we began substituting a little pin head oatmeal twice a day for part of the egg and bread crumb ration. This manner of feeding was continued for the first week, always keeping a supply of bran in the bran-box. About the fifth day we gave them tender, fresh clover cut up fine with the shears. This was fed twice a day.

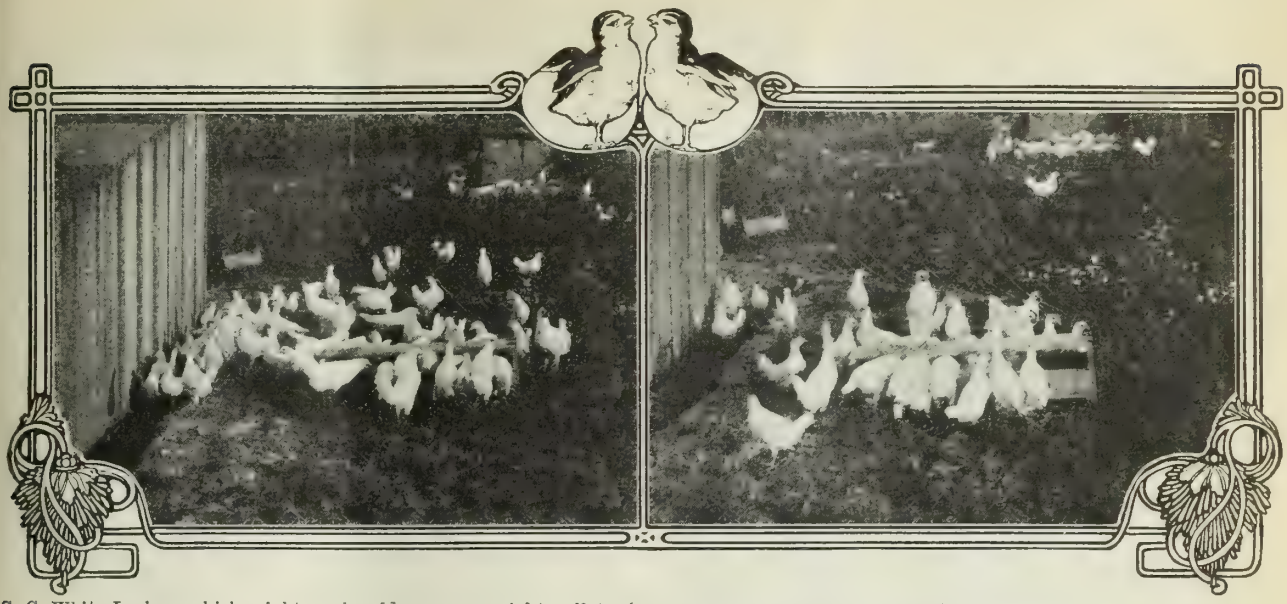
A little yard was made outside the brooder house and they were allowed to run in this on pleasant days from the first. The ground of the run was kept spaded up for them to work and scratch in. To teach them the way in and out quickly, we placed a board from the entrance to the brooder leading to the yard and sprinkled food on it and after a time or two they needed no guiding hand to gather them in. They began to grow rapidly as soon as they became used to the spaded ground yard, spending all their spare moments digging for worms. We also gave them cut up raw potato, which they will fight for as eagerly as they do for worms. We varied the program by giving a good mixed chick food and by keeping a hopper of dry mash before them constantly. The dry mash was made up as follows:

Two parts wheat bran.
One part cornmeal.
One part middlings.
One-half part oatmeal or flake.
One-quarter part fine charcoal.

A little fine best beefscrap and scant amount of salt. This was well mixed and kept before them at all times. The chick food was continued until the chicks were large enough to take



S. C. White Leghorn chicks four weeks old, average weight 5 to 6 ounces. See first prize article, "Success Growing S. C. W. Leghorn Chicks."



S. C. White Leghorn chicks eight weeks old, average weight pullets, 1 pound to 1¼ pounds; cockerels, 1 pound 6 ounces to 1½ pounds. See first prize article, "Success Growing S. C. W. Leghorn Chicks."

whole grains, and cut green clover supplied them until they had an opportunity to get it for themselves.

When six weeks old they were removed from the brooder house and put in a large coop, which we fixed up with rounded tin corners to prevent the chicks from crowding and smothering one another on cool nights. At first we used muslin curtains on the coop, but gradually as they became used to it we dispensed with them. These coops were placed in a large yard, giving the chicks a good range, making it difficult to get all the birds in the pictures, and they had grown so that I could only get a part of them in the last two pictures, having to date 150 chicks left in this lot.

As soon as possible we began feeding whole grains, consisting of wheat and oats and large cracked corn. To lessen the expense we discontinued the dry mash and made up a wet mash mixture as follows:

One part wheat bran.
One part cornmeal.
One part middlings.
One-half part oatmeal or flake.

A little charcoal and salt to season. After this is thoroughly mixed, half a pint of short cut alfalfa is steamed and added to three quarts of the mash and mixed into a crumbly mash, feeding just what they will clean up quickly at noon, feeding grains morning and afternoon and a liberal supply of green stuffs at all times. This we expect to continue, adding beef-scrap a little later.

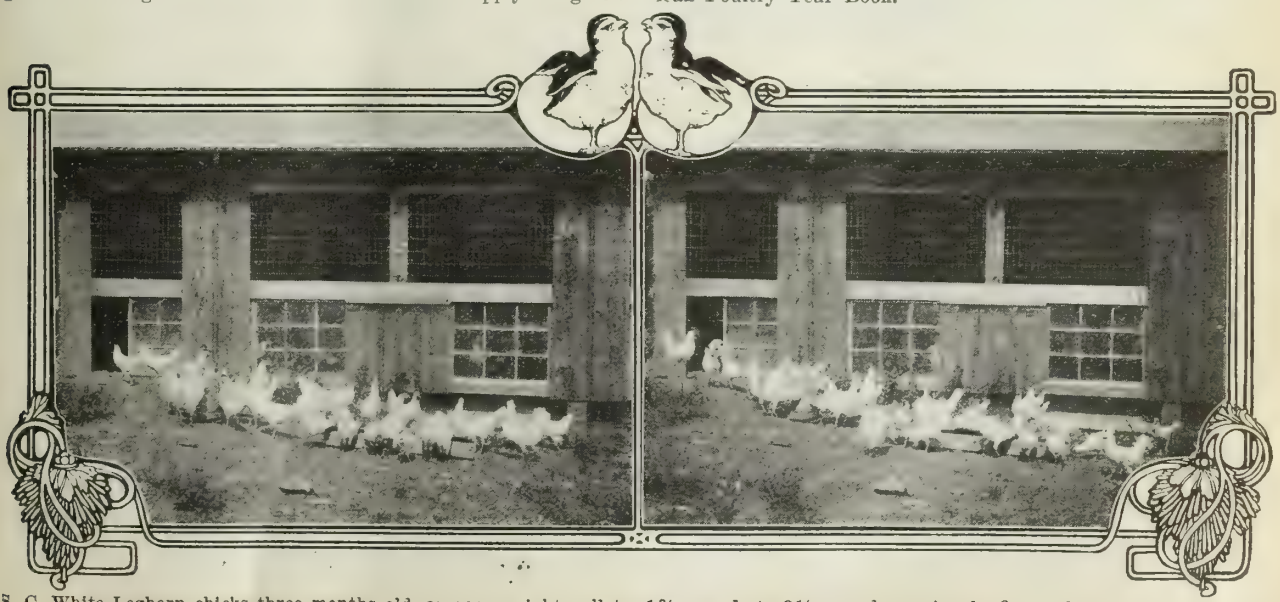
The chicks all look fine and healthy and are about even in size. Their weights taken at time photographed are as follows:

AVERAGE WEIGHT.

One day old, 1¼ to 1½ ounces; two weeks old, 2¾ to 3 ounces; four weeks old, 5 to 6 ounces; eight weeks old, 1 pound to 1¼ pounds (pullets), 1 pound 6 ounces to 1½ pounds (cockerels); three months old, 1¾ pounds to 2¼ pounds (pullets), 2 pounds to 2½ pounds (cockerels).

———o———

You will often hear of some man leaving a good position to enter the poultry business. He doesn't know just what the poultry business is, but he hears of his neighbors making money with poultry. He starts in to make money, instead of starting in to build up a business, he forgets or does not know that he has joined one of the greatest industries in the world, an industry that has grown until it exceeds "a billion" yet is still in its infancy. In less than a year this man is "broke" simply because he used "imagination" instead of "hard work and brains." To this type of men our advice is to let your wife try. There are many cases where she has put the credit on the right side of the ledger, and these cases with just how it was done will appear in the woman's section of the new 1915 American Poultry Year Book.



S. C. White Leghorn chicks three months old, average weight pullets, 1¾ pounds to 2¼ pounds; cockerels, 2 pounds to 2½ pounds. See first prize article, "Success Growing S. C. W. Leghorn Chicks."

Poultryman's Practical Dispensatory

Chapter V—Petroleum Products and Turpentine—Their Many Uses and Abuses

By J. H. Petherbridge



CHAPTER IV being devoted to "coal tar products," a natural sequence demands that it be followed by some observations on the closely related topic of some petroleum products employed by poultrymen. Whereas coal tar is the product of the *artificial* distillation of coal, crude petroleum represents the *natural* distillation of coal and other carbonaceous matter, both animal and vegetable, in the vast subterranean laboratories of nature.

Crude petroleum, in its world-wide distribution, may exhibit minor variations of color, density and its content of oxygen, nitrogen, sulphur and other occasional elements, but 90 to 96 per cent of its bulk is made up of the hydro-carbons. Its medicinal qualities, actual and fancied, have been recognized from the early ages, and the ancient records of Japan and China refer to the employment of natural gas and oil for heating and lighting. Herodotus describes the "oil pits" of Babylon, and the prophet Isaiah speaks of "the land becoming burning pitch that shall not be quenched night or day, but the smoke thereof go up forever." Those who have witnessed an oil well on fire will testify to the realism of this description.

The history of the exploiting of crude petroleum as a panacea for many ills of man and beast, offers a demonstration that there were fakirs long before the twentieth century, and that to disguise a natural and cheap product under a trade name for the purpose of increasing the demand and profit and maintaining a monopoly is no new game. In the fifteenth century, as "St. Quirinus Oil," the petroleum of Bavaria was doubtless in greater demand for its saintly cognomen; and saints still seem to run to oil, five centuries later, as the patent medicine shelves of any drug store will testify. But in the sixteenth century in direct contradistinction to the heavenly appeal, I find petroleum exploited successfully as "Earth Balsam." In the prenatal stage of the great oil industry of the United States, a Kentucky company as early as 1829 was selling crude oil as "The American Medicinal Oil," and the immediate predecessors of Standard Oil, the Seneca Oil Co., prior to sinking their first well at Oil Creek, Pa., in 1859, had for many years sold a crude petroleum obtained from the shores of Seneca Lake, N. Y., under the name of "Seneca Oil," advertising it as a wonderful embrocation and dressing for wounds. But for many years now, except as an unknown constituent of certain patented "oils" and liniments, crude petroleum is utilized only as a lubricant and in medicine has been superseded by paraffin oil and

Petrolatum.

by-products of the distillation and refining of the crude petroleum in the production of gasoline and kerosene.

You may be more familiar with petrolatum as "Cosmoline," "Vaseline," or as "Petroleum Jelly." These are all one and the same product, but you usually have to pay something additional for the proprietory name and in buying it as "petrolatum" you are pretty sure of obtaining an article of American manufacture, by far the best for your purpose. In buying it in any considerable quantity, if you can have choice of several grades, select a No. 2 or No. 3 in preference to a No. 1, for they will cost you less and are far richer in medicinal value. I prefer a rather dark petrolatum with a greenish tinge to one of a golden yellow color and translucent.

In my preceding article under the head of "carbolic acid" I gave working formulas for a carbolized petrolatum and a sulpho-carbol ointment, and also referred to the superiority of petrolatum over lard as a base for all ointments and salves. As I am very sure readers of the A. P. J. retain their journals for reference, a repetition at this early date seems needless. A few words, however, in relation to the proper method of *making* an *ointment* may not be amiss:

In incorporating a drug in powder form with a fatty base, first see that the powder contains no lumps or grit and place it in the center of your stone slab or plate of glass and rub it up *with a very small portion* of the base until all the powder is taken up and continue adding the base *a little at a time*, working each addition with your spatula or knife to uniform consistency.

Such simple directions may seem superfluous, but it has been my observation that the amateur invariably reverses this process, by placing the entire amount of petrolatum or lard on the slab, sifts the powdered drug over it and attempts to work it into a smooth and uniform mass, *and rarely succeeds.* If the drug to be incorporated is in the form of a liquid or oil, it is best to melt the petrolatum with a gentle heat and slowly stir in the liquid or oil and continue stirring until the mass thickens as it cools. Alcoholic extracts or oils are extremely difficult to accurately distribute through a fatty mass by any other method, but you must avoid having the petrolatum base *hot;* use only sufficient heat to liquify it, otherwise the heat may dissipate volatile principles it is important to retain. As I may have occasion to recommend or comment on other ointments during the course of these series, I trust the preceding "directions" may prove of practical value.

The petroleum product that demands the most extended notice, not for its intrinsic value to poultrymen but because of its frequent recommendation for almost every ill of chickendom, is the illuminant—

Kerosene or Coal Oil.

This product is so well known, as to its appearance, cost, production and distribution, that I shall avoid further mention along these lines. Its *history,* as an important article of commerce, marvelous, romantic and tragic, is also a more than "twice told tale" to every reader. I therefore can confine my discussion to its actual and assumed value to poultrymen as an insecticide, germicide and remedial agent extraordinary. Frankly, the only use for which I can recommend kerosene in poultry practice, save as "midnight oil" for study and account keeping, is as an insecticide for the destruction of the Red Mite that breeds and hides in the cracks and crannies of our poultry houses.

The sole superiority of kerosene over other insecticides for this purpose lies in its penetrating and flowing qualities; it reaches the lowest nooks and tiniest crevices better than the heavier coal tar products. But owing to this same volatile characteristic and rapid evaporation it should be remembered that kerosene is short-lived in its action. The application of *today* may not answer for the needs of *tomorrow.* To destroy mites, larva and eggs of this pestiferous parasite, there must be actual contact with the kerosene, *the odor or fumes are not sufficient.* Hence, an oil can and brush are better instruments for distribution than a sprayer, but should you conclude that the latter is more convenient, 'twill be well to add to each quart of kerosene, two ounces of crude carbolic acid.

I cannot endorse the oft repeated advice of kerosene as a cure for roup, colds, catarrh and bronchitis, either by means of dipping the fowl's head into a bucket of water covered with a film of oil, the internal administration from a teaspoon, or by floating it on their drinking water. All these kindred ailments are distinguished by a more or less inflamed and congested condition of the mucus membrane of the head, throat, nasal passages and bronchial tubes. To effect a cure, it is necessary not only to kill the germs but also to heal and restore to normal condition the diseased membrane.

Kerosene is described as "a powerful and dangerous 'irritant' to the cuticle and mucus membrane." How then can it also exert a soothing and healing action on said membrane? It is true that as a home remedy kerosene is sometimes successfully used as an *external* application to the throat and chest to allay *internal* inflammation and congestion, but in such cases it acts as a "counter-irritant," and it is only as a counter-irritant kerosene can be of service. But so long as we take any pride or satisfaction in our chickens wearing feathers, efficient counter-irritants are barred from poultry practice. Poultry editors probably have more inquiries regarding "the loss of

feathers'' than any other one form of ''trouble''; the answer may be vermin, depluming mites, favus, or feather-pulling, but the writer wonders if the too free resort to kerosene may not often be the correct explanation? I recall reading an inquiry for a remedy for the Texas flea, and the reply was as follows: ''Apply kerosene, full strength, freely to head of fowl; the oil won't hurt the fowl but will kill the fleas.'' But if the advice was followed, it's a safe bet that one Texas poultryman could exhibit a flock of bald headed chickens. And it must not be overlooked that any application powerful enough to cause the feathers to drop out must further irritate a cuticle already sensitive and sore from the parasite's ravages.

Reverting to the kerosene treatment for roup, etc., I presume the theory is that it kills the germs of the disease; perhaps it does; but there are many drugs that will kill germs but only at the expense of a shock to the nervous system of the fowl or injury to the cuticle or mucus membrane that will take up much of the fowl's vitality to repair.

I fear we are all a little daffy about germs anyway. We are told that there are both good and bad germs, but even the bad ones have too much self-respect to come where they have not been invited. What the industry needs is not more germicides but less germ-allures. It's too late to go gunning for the germ that is *in* the sick chicken; *its* mission was accomplished ere we noted the symptoms. Wage vigorous war on the germs *without*, and if the good germs can't lick the bad ones within, it is because you haven't cultivated them or given them a chance to keep their powder dry.

Spirits or Oil of Turpentine.

obtained by the distillation of resins from sundry species of southern pine and fir would seem to have no legitimate place in a letter devoted to petroleum products, but I hope to show that there is no inconsistency. In physical appearance, chemical composition and in their use and abuse as poultry remedies, there exists a close analogy between the spirits of turpentine and kerosene.

The bulk of each is made up of the same volatile and inflammable hydro-carbons, and neither are soluble in water.

Each when employed externally are readily absorbed by the unbroken skin, will quickly blister and destroy the plumage.

Given internally are dangerous irritants to the mucus membrane, unduly stimulate the kidneys and in large doses cause purging and hemorrhage of bowels.

I am not questioning but what both turpentine and coal oil may occasionally give good results, seemingly, but I do claim they are unnecessarily severe and cruel remedies, and that poultrymen can very well dispense with their services, as the *good* they *can* accomplish can be secured by other milder agents that carry no menace..

My father was a surgeon in the Civil War, a graduate of both the ''old'' and then ''new'' schools of medicine. He soon found that his soldiers would have none of his homeopathic treatment. They insisted on something ''strong,'' and the viler it tasted and the sicker it made them the greater their laudation of the dope.

As regards human ills, most of us have abandoned this position, but still maintain that same attitude in our ''doctoring'' of our fowls and domestic animals. More horses have been killed by fearfully and wonderfully compounded drenches than have from the colic for which they were drugged. As many chickens have been lost by injudicious and ill-advised remedies as have succumbed to ''roup'' and ''white diarrhoea.''

I have known turpentine to be advised as an injection into the vent for bowel trouble and even administered to baby chicks in the same manner as a cure and preventive for this same ''white diarrhoea.'' Did you in your young and savage days ever administer turpentine to the same part of a stray dog's anatomy; if so, you will recall that said dog needed all outdoors to express his opinion of turpentine so administered.

I wonder by what peculiar process of reasoning those who advocate an enema of turpentine or any other drug as a means to make immune the baby or growing chicks from white diarrhoea, cholera and roup refer to the treatment as ''inoculation?''

The pocket dictionary of medical terms defines inoculation as follows: ''An operation by which a disease may be artificially communicated by introducing the virus into the system by a puncture or scratch.'' *Inoculation* cannot be performed with a *remedy.*

To be successfully vacinnated you must be given a mild case of smallpox. If the injection of turpentine or any other drug can make your flocks immune against contracting white diarrhoea, cholera or roup it must be capable of developing in miniature the same pathological symptoms that are exhibited in these dread diseases.

I have no doubt but what in due time our expert investigators and bacteriologists will succeed in identifying and isolating the germs responsible for these and other ills that now afflict our birds and be able to furnish us with anti-toxines for both prevention and cure. But this consummation ''devoutly to be wished'' will come as no wierd *in-vent*-ion or wonderful discovery of commercialism, but as the demonstrated, time tried and tested result of years of scientific research by trained and skilled operators.

The shelves where the druggist of today keeps the drugs that are demanded by his prescription calls are *much more crowded* than they were thirty years ago when the writer washed the



THE THREE JOES.
Past, present and future breeders, and originators of the Parks Strain of Bred-to-Lay Barred Plymouth Rocks, Altoona, Pa.

graduates and cleaned the spatulas, but the same old drugs occupy *the front row* and the number of *new* remedies that have stood the test of even twenty years *are few indeed.* The up-to-date and conscientious pharmacist who does not substitute will tell you his heaviest money investment lies unemployed in new drugs that after a few calls cease to be in active demand, because in actual practice they have failed to make good.

But to return to our topic of turps; it is very true that oil or spirits of turpentine has certain and accepted values in therapeutics. It is an excellent vermifugue, followed by castor oil, particularly for the expulsion of the tape-worm; it is frequently employed in low types of fever, as in certain stages of typhoid and is occasionally used as an enema in obstinate constipation and the accumulation of gas in the bowels. But this seeming indorsement for its use with poultry it must be noted that turpentine so employed is always in the form of an emulsion or its irritating qualities modified by bland oils or mucilagenous mixtures. And such preparation is far from practical in poultry practice.

How The Turkey Got Its Name

Some Interesting Historical Facts About Our National Thanksgiving Day Bird—Its Popularity in Europe

By H. V. Tormohlen

"A turkey boiled is a turkey spoiled,
A turkey roast is a nation's boast,
But for turkey braised the Lord be Praised."



FIRMLY attached as has become the turkey with our national Thanksgiving Day, little has been known about the history of the turkey and how the turkey got its name has been a question that would compare favorably with "How old is Ann?" Yet if the American people have one fowl of which they are especially proud, that fowl is the turkey. And someone has fitly expressed it: "A Christmas without a Christmas tree, a Fourth of July without firecrackers, would be on a par with a Thanksgiving without a turkey."

The history of the turkey is extremely interesting, although unlike some of our other domestic fowls cannot boast of a long and eventful connection with domestic life, and like the goose cannot claim to have saved Rome from the Gauls, or to have been a sacred bird 4,000 years ago.

Previous to the year 1518, when the mainland of America was discovered, the bird was unknown to civilization. Prescott in his "Conquest of Mexico," states that Cortez was sent on his voyage of discovery and conquest with the understanding that he was to send to his emperor one-fifth of all the spoils taken. In July, 1519, Cortez dispatched "his first letters" to his emperor, Charles the Fifth, with a collection of fabrics, minerals and other products of the new world, and no doubt the turkey formed a part of this first importation, as Cortez found the bird easily obtainable from the Indians, being partly under domestication. Five years later the turkey reached England, being sent from this country by William Strickland, Sebastian Cabot's lieutenant, and, as bearing on the point, it is interesting to know that the crest of the Strickland family of Norfolk, England, is a turkey-cock "rampant," and that the crest was adopted at that time by William Strickland founder of the family and ancestor of the present baronet.

Barnby Googe, of England, in his famous "Four Books on Husbandry," has this to say about the early turkeys in Great Britain: "Turkey-cocks we have not long had among us, for before the year of our Lord 1530 they were not seen with us, nor, I believe, known to the old writers. By 1541 they had attained such popularity—though still rare and much prized—among trenchermen that Archbishop Cranmer forbade the appearance of more than one dish of turkey-cocks at state banquets. Some 14 or 15 years later a great law dinner was held at Christmas in the course of which two turkey-cocks and two poults were served with much pomp and ceremony; 1573 saw them an established and recognized feature of Yuletide fare, especially in the rural districts of England, for we find the old chronicler Tusser writing at this date:

"Beef, mutton, and port, shred-pies of the best;
Pig, veal, goose, and capon and turkey well drest."

Turkeys were first eaten in France at the great banquet



AN ACTUAL PHOTOGRAPH OF WILD TURKEYS.

The naturalist must know intimately the habits and feeding grounds of the wild turkey and use infinite care and pains to get a picture like this. He must know just where to find them. Fortunately the author of this article found these wild turkeys already posed in the Field Museum of Natural History in Chicago, where they have been faithfully mounted true to life and habits and so carefully prepared that the most careful observer could not detect that this photograph was not taken in the forest. There are six varieties of domestic turkeys recognized by the American Poultry Association—the Bronze, Black, White Holland, Narragansett, Bourbon Red and Slate, all of which have been bred from the wild turkey once so numerous. The Bourbon Red and Buff Turkey probably had as ancestors a yellow or buff turkey found in parts of Kentucky, notably Bourbon county, Kentucky, and the northwest, tourists having seen yellow turkeys in Yellowstone Park. The Buff Turkey is not now recognized as a separate variety.

which was held to commemorate the marriage of Charles IX and Elizabeth of Austria. A consignment arriving at St. Malo was immediately dispatched by some zealous local authority to the king's kitchen. This thoughtful action was not in vain. The king, queen-mother, and the Cardinal De Lorraine ate so much, or so many, of the birds—delicately cooked and served on spits—that they were laid down by indigestion during the whole of the following day. Subsequently, King Charles established a turkey-breeding farm on his farm in the forest of St. Germain.

There are three varieties of wild turkeys: The turkey found in the northern states and Canada known as "Meleagris Americana," those found in the southern states and Mexico known as "Meleagris Mexicana," and "Meleagris Ocellata" found in Honduras and Central America and distinguished from the others by the absence of the breasttuft and different caruncullation and a much brighter plumage. The Mexican variety as well as the Ocellata variety is of a brighter color and a smaller bird than the more somber colored and larger birds of the north, ancestors of our bronze variety. The birds Cortez took back to Spain undoubtedly then were the Mexican variety, while those taken later to England by William Strickland were the northern variety. But they had already been named in Spain and the Englishmen most naturally used the same name.

One would at first suppose that the Turks had something to do with the naming of the bird or that the first importants reached Turkey, which at second thought would be preposterous, even if history was obscure in the matter. Some have suggested that it came from a supposed resemblance of the red caruncules of the old Turkish costume of a red fez coming down to the ears, with a dark flowing robe beneath. Another guess is that the word is corrupted from turquoise, supposed to be applied to that bluish caruncule about the head. While some point out that the name of "A Turk" is often applied in popular language to anyone remarkable for domineering and pompous disposition or appearances and thus it became attached to the turkey-cock, and gradually modified. Little weight, however, can be given to these conjectures.

Mr. E. Richardson gives a more plausible theory and one that seems entirely satisfactory and supported by investigation. He states: "Strange, then, how the bird came to be called turkey, a word in no way similar to the Anglo-Saxon pawa, the German pfau, the French paon, or the Latin pavo, all names similar to one another and derived from the Latin, the bird (peacock) having been brought from the east by the Romans. The mystery then is how, in view of all these facts, the name "turkey" came to be applied to this bird. It is obvious then we must look to some other language for the solution to the problem. Going to the far-off home of the peacock we find in the Tamil language of India, a work "toka"—peacock, the primitive meaning of which refers to a train or trailing skirt. This word adopted into the Hebrew language becomes "tukki," and by a slight change of the genius of the English language becomes what we are looking for, "turkey."

But it is asked, "How came it through the Hebrew?" Let it be said then that at the time of the expedition of Cortez to Mexico the despised and persecuted Jews were very numerous in Spain and engaged, as they usually are, by their natural adaptability for gain in merchandising. Their acuteness led them to deal in foreign birds, curiosities and rarities, by which they reaped large profits, as these things were only purchased by the rich. Naturally then they saw in this new importation an opportunity for gain, which they seized, and as they used their own language as much as possible, it was not long before the Hebrew name for peacock became well known. Doubtless they designated it as the "American peacock," for it was well known whence it came. Thus it would be constantly heard in the market places, while the more scientific name of "pavo" would be heard only among the educated few, and so by force of numbers the name was used and anglicized into turkey. Furthermore, the name was formerly spelled "turky," as when Corbet, Bishop of Oxford, writes to Buckingham: " 'Like very poore or conterfeit poore man, who, to preserve their turky or their hen, do offer up themselves.'.

"In tracing the word to the Hebrew, the rules governing etymologies have been complied with, since here we have preserved the radicals T and K, which fact only tends to prove the origin of the word and about the introduction of the turkey into Europe."

Domesticated as it was, one of the first importations of the new world, it still remains, however, a bird of the fields and forests. Another strange fact is that the farther remote our domestic turkey's ancestors are from the wild birds the harder the poults are to raise and the most successful breeders resort quite frequently to introducing wild blood into their flocks of bronze turkeys.

Governor Bradford of Massachusetts linked the turkey with history and national popularity when he proclaimed a day of thanksgiving. He did not tell them what to eat, but wild turkeys being plentiful in the woods, the settlers reasoned rightly that nothing could be more savory than a plump turkey. The idea adopted then has prevailed to this day. It was not until after the Revolutionary War, however, that the feast became national in character, and after 1784 it was only occasionally observed, except in New England.

Wild turkeys travel in flocks or herds numbering as high as 500, choosing mostly the wooded tracts. Their range formerly ex-



This cockerel is an exceptionally well marked bird. Brilliant, sheeny black and white, regular markings, good head and good type although a little too high in tail to meet the standard of Campine tail carriage. Taken altogether he is a worthy second to the extraordinarily fine first prize silver cockerel. Louis Paul Graham. Made from retouched photo.

tended over the greater part of North America, including the vast forests of the Atlantic states, and stretching far to the northwest into lower Canada. Southward the bird is found in the Isthmus of Darien, while its range also comprises such variegated country as the Rocky Mountains and the West Indies. The habit of the bird is to congregate in warm, sheltered valleys during the winter in large droves, and then about mid-spring to migrate to the rich uplands where summer feeding is plentiful.

Very few states have any more wild turkeys. A few will be found in Virginia in the swamps and in other more southern states. In some of these states a few breeders breed the wild birds in a semi-wild way to supply domestic flocks with wild blood.

To show how generally common the wild turkey was, one needs only to call attention to the numerous places and locations which took turkey as a part of their name at least. In northern Indiana we had Turkey Lake since changed to Wawasee. Turkey Island, the largest island in the lower Wabash, now Ribeyre's Island, was in the early days a tangled thicket and a favorite covert for the wild turkey. Turkey as a postoffice name will be found in Breathitt county, Kentucky; Sampson county, North Carolina; Hall county, Texas; Wyoming county, West Virginia;

Turkey Creek, Hillsboro county, Florida; Trigg county, Kentucky; St. Landry parish, Louisiana; Turkey Food, Delaware county, Oklahoma, and Turkey River, Clayton county, Iowa.

Oviedo in 1527 probably gave the first description of the turkey and spoke of it as having been taken from Mexico to the West Indies by Spaniards and there bred in domestication.

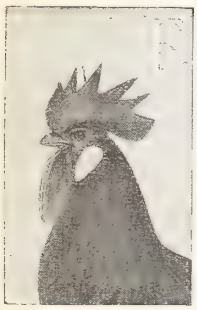
Shakespeare and other old dramatists make mention of the turkey. "'Tis no matter," says Captain Fluellen, of Ancient Pistol, "'Tis no matter for his swellings nor his turkey-cocks"; and Fabian in "Twelfth Night" says of Malvolio, "Contemplation makes a rare turkey-cock of him." A better remembered passage is that in the first part of "Henry IV," preceding the robbery at Gad's Hill: "God's body," says the first carrier, "the turkeys in my panniers are quite starved."

Benjamin Franklin was a great admirer of the turkey and suggested that it be our national bird instead of the eagle, and this suggestion if put to a vote today would probably carry, so popular has become our national Thanksgiving Day bird.

How to Get A Good Yield of Winter Eggs

Essentials in Encouraging Winter Egg Production—Suggestions Concerning Feeding and Care of Laying Stock

By Prince T. Woods, M. D.



EVERY POULTRY KEEPER is interested in getting a good yield of eggs in fall and winter, when prices are high. Many poultrymen will tell you that the best profits are realized on spring and summer eggs and that winter eggs cost about all (and sometimes more than) you can get for them. That is often true. It costs a good deal more to get eggs in winter than in the spring when any hen, worthy of the name, is in full lay. The non-producing pullets and hens must be fed and cared for and this adds to the cost of the eggs produced by the layers.

Even at a conservative estimate it costs 15 cents a month, or half a cent a day, to feed a hen. Assuming that you have a flock of 200 hens, that means a cost of $1 per day for food alone. The labor and other upkeep won't figure less than 50 cents a day. If you only get one dozen eggs per day from those birds, then the eggs are costing you $1.50 a dozen. If you get three dozen eggs a day, the cost to you is 50 cents a dozen. If you get five dozen eggs a day, which is a pretty good yield for November and December, the eggs cost you 30 cents a dozen to produce. Because a great many poultry keepers do not get a 30 per cent egg yield and sometimes get less than a 20 per cent yield, and perhaps none at all for some weeks, fall and winter eggs are scarce and high. When eggs reach a retail price of 50 to 60 cents a dozen the buying public strenuously complains about high prices and the demand slackens while the buyers turn to cheaper foodstuffs. Yet, five cents each for first quality new-laid eggs is not a high price to pay, when food value and the cost of other foods is considered. Poultry and egg prices need to be revised and boosted upward. Cost of production considered, and compared with the prices of other foodstuffs, poultry meat and eggs sell at altogether too low a figure most of the time. The prices appear arbitrarily fixed, regardless of production cost, and have not climbed upward with the rise in price of other foods. Present day conditions should effect a change for the better.

Obviously, the more eggs one can get from his flock the better his returns will be, and the poultry keeper who can make his flock show a 30 per cent or better yield when eggs are 45 to 60 cents a dozen will make the most profit from his layers. A 30 per cent yield should be obtained under favorable conditions and some poultry keepers have boosted the fall and winter yield to 40 per cent and more. Some preparation is necessary and good feeding and good care are essential.

There is no secret in obtaining winter eggs and no one best ration. Many different plans of feeding will give almost equally good results; the chief requirements are to keep the birds well housed, well cared for and well fed. It is not possible to get a good winter egg yield from birds that are fed only enough food to keep them alive and warm. A maintenance ration is not sufficient. A producing ration is necessary. The birds must have food in sufficient abundance to keep them healthy and happy and provide a surplus, above bodily needs, from which to make eggs. Getting winter eggs, or eggs at any season of the year, is a comparatively simple matter. Good stock, good housing, good care and plenty and a variety of good wholesome food—that's all.

The preparation for a winter egg yield comes early in the season and throughout the summer and early fall. Early hatched pullets are necessary to best results. We want American variety pullets that were hatched between March 15th and April 15th for producing winter eggs. Mediterranean variety pullets hatched not later than May 1st are usually good winter egg producers. From our experience with Asiatics we want the pullets that were hatched between the last week in February and the first of April. Getting the chicks out early is not the whole thing. The early pullets must be kept growing steadily and should be well fed and cared for during all stages of growth.

We like free range grown birds best, and if they are well grown, healthy, vigorous and with hearty appetites, we rather like to have them a bit rangy when first housed. If grown on range with a mostly hard grain ration, we want them to have mash and a laying ration about a month before they begin to lay. When housed they should have liberal yard room if possible and always an abundance of greens. Too abrupt cutting down of the green food, especially with range grown birds, is liable to retard egg production. If greens are scarce, then supply such fresh greens as are available and supplement them with cut clover or cut alfalfa, scalded or dry, and dried beet pulp which has been well scalded to swell and soften it.

Yearlings and two-year-old fowls that moult out nicely before severe cold weather sets in, will, if well selected, prove close seconds to the pullets in winter egg production. Choose hens that get well established in moult early in October and that moult evenly and well. Make sure that they have clear, bright eyes, good red combs free from dark color at the points, good fleshed bodies not deformed by fat, room for two or three fingers between the pelvic bones and that these bones show flexibility and are not fixed immovably and close together. Such specimens should show good appetites, should go to bed with full crops and not hang around the roosts in the day time. When deciding to winter birds make careful selection. It is half the battle and you cannot afford to feed drones.

With some varieties fowls are liable to put on internal fat and cannot stand as heavy feeding as the pullets. Some strains of Plymouth Rocks, Brahmas and Cochins are especially liable to take on internal fat when fed much corn. Where many members of a flock show such tendency it may be controlled by feeding less corn and more greens. Don't forget, though, that a hen must be reasonably fat in order to lay well.

For housing poultry we prefer on open-front type of house and believe the always open houses are much more comfortable for the birds. With birds housed in open-front poultry buildings we have never had any difficulty in getting eggs in severe cold weather and have not noted that cold weather checks egg production. Well-fed birds in an open house do not appear to notice weather changes. We have found that several days of quite warm weather following a severe cold spell sometimes results in a slight falling off in egg yield. Unseasonable weather calls for a little closer attention to the comfort of the flock. Hot weather is more apt to lessen the egg yield than prolonged cold.

In cold, bleak locations we prefer to have layers confined to the poultry house during the winter. In sheltered locations where there is a good windbreak, and where the ground drains readily, it is much better to give the birds an outdoor run. It will do no harm if the birds eat snow; they seem to prefer it to water, and we have never known snow-eating to result

The Show Season and Its Opportunities

The Poultry Show Has Come to Be One of the Biggest Institutions in Our Billion Dollar Industry and is Far-Reaching in Its Scope

By H. E. Nosyt



WITH THE SHOW SEASON just fairly begun, there will follow the usual number of people who for the first time have become interested in poultry to the extent of engaging in the work. This happens every season, but every few years there are an unusually large number of this class of prospective poultry raisers who visit the shows and swell the business of breeders, manufacturers and publishers. If you stand around the booths of any good poultry show, you will soon see the beginner in evidence.

The poultry show has come to be one of the biggest institutions of our billion-dollar industry and probably is more far-reaching in poultry extension work than any other one thing unless it be the poultry press. Nevertheless, the possibilities of poultry shows generally as educational factors have scarcely been touched. Every poultryman in attendance at a show can help the good work along and thereby benefit himself as well as the industry. The show managers are yearly making every effort to institute improved methods of showing, awarding, and generally educating the masses, who throng wherever a really worth while show is being held. But it is largely up to the breeders themselves to create the right sort of enthusiasm and encouragement and to spread broadcast the good effects of conventions, fairs and shows. One of the great drawbacks has been that the people who most need this sort of toning up are the ones who either can't get away, or can't afford to attend, and here is where really true quality extension work should begin. A demonstrator of the right sort could cover a wide territory in helping an unsuccessful man to success in poultry work. A short visit to the farm, a careful survey of the premises, an investigation of the product, and the method of marketing same, would soon determine the extent of the leakage, and a way to stop it. Furthermore, every unsuccessful man would welcome the visitor who could point the way and help him out of his difficulty. If the truth were known, there is not an unsuccessful man in any community that would not be helped by a little encouragement and friendly suggestion as to a better way. Here is a chance to be neighborly and help ourselves by helping others. Do not think your help was unwelcome if the advice was not followed literally. Give the neighbor credit for the ability to improve on your suggestion—but be assured the suggestion will in some wise bear fruit.

A good many poultrymen have not come to realize it but the beginner in poultry work is a very good individual to know and a very good man to whom to give a square deal. Nine times out of ten the beginner comes back with further orders where he has received good treatment, but he does more than this, he becomes a first class advertising medium, in that he tells his friends that John Smith of Wyandotte or Plymouth Rock or Orpington fame fills an order exactly as ordered, his eggs for hatching are carefully selected and well packed, his breeding stock is healthy and true to description as sold. A satisfied customer is a worth while asset to any poultryman. The day has passed, if it ever really existed, when a breeder can afford to sell scrubs and deformed specimens to beginners simply because they do not at the time being recognize true poultry values. A business deal should profit both buyer and seller, and in such cases is bound to create bigger and better business generally.

In going about to the shows in recent years, I have come to realize that an opportunity for educating visitors as to the numerous varieties of poultry is lost sight of by not labeling the coops individually as to the variety they contain. At the Madison Square Garden show last winter, Mr. Cleveland took a step forward in this matter by using a printed card bearing the name of the variety at the beginning of each section wherein that variety was cooped. And many were the complimentary remarks in praise of this. Heretofore, I have frequently seen an occasional placard naming a variety here and there, but Mr. Cleveland's was the first systematic innovation I have noticed along this line. For the slight additional expense, it would be well worth the cost to have over each coop the name of the variety within. Standing about in the aisles in any show, one is frequently asked by curious minded visitors, interested beginners, and sometimes, by established breeders, as to what breed a certain specimen belongs. Of course, there are the catalogues, but if we really wish to create or foster an interest in the numerous varieties of thoroughbred poultry we want to give the visitors, including the boys and girls, every opportunity after having paid their admission.

The moving picture, everywhere in evidence, having made its appearance in poultry work will without doubt greatly increase the interest in poultry shows within the next few years. Here the field along educational lines is so broad that the film makers will be kept busy providing reels of good live interest, depicting the best known methods of poultry production. Every big show should have its moving picture demonstration with a variety of reels covering all branches of the industry. The usual lecture is a valuable adjunct but the moving picture demonstration alone, or in conjunction with the lecture, must eventually supersede it. The facts are more effectually brought out when thrown on the screen where the eye can take it in, and the impression is there to stay.

Novice classes are well worth while as are also utility and market classes. At one of the shows last season where a display pen of utility birds were on exhibition, a continuous crowd of visitors stood about watching the busy, happy flock within. The occasional deposit of an egg in the next box called forth all manner of praise by the onlookers.

For agricultural fairs, through many sections of the country, reduced rates are secured on railways to and from the fair town or city, within a certain radius of miles. Such tickets are sold, including admission to the show. A similar arrangement could undoubtedly be brought about in connection with poultry shows and would help to bring farmers and small breeders to exhibitions, since in most instances these constitute the greater number of poultry raisers who stand in need of the enthusiasm and new ideas which the successful poultry show is bound to dispense. The man who has not had an opportunity to get out and see what those more successful in his line have accomplished, seldom greatly increases his output. More frequently at each little discouragement he loses interest in the work and gradually becoming disheartened, drops out. Most humans, unfortunately, become frequently depressed at very little things and are overcome with the appalling littleness of the results of their efforts. We need the encouragement of successful people. We want to learn of the clever ideas that other minds have brought about and give ourselves a basis upon which to work out, during the long winter evenings, our own success. A good, well-conducted poultry show will set a lot of minds to work upon this interesting, worth while problem. Herein is where the really successful poultry show can do its most far-reaching work—by giving the visitors ideas of worth to carry home with them; by enlisting their thoughts in matters pertaining to poultry keeping and production. The man, woman or child visitor wandering half-interestedly through the show room could easily become convinced of the necessity of sanitation as regards table eggs by means of well-selected motion picture reels. And the same plan could be used successfully as regards the immense amount of "mortified" dressed poultry offered for sale in public markets. The general public need to know what first quality live poultry, dressed poultry, and table eggs are, and the poultry show is the best place, to date, to show them. Motion picture demonstrations will solve the problem better than displays of the articles in question.

The American poultryman is today facing the greatest era of prosperity the industry has ever known. Within our confines plenty abounds, the largest crops on record have been harvested and we have before us opportunities such as has never been known by any nation since the world began. With practically all other great nations intent on slaughtering their brethren, trampling their harvests, consuming their herds and flocks, here in the new world, amid peace and plenty, has not the appointed time arrived in which to lend needed encouragement and stimulus, in the form of any and all acknowledged educational advantage to those who would benefit thereby, making of the poultry industry the greatest, most efficiently managed and generally followed business of the twentieth century?

The Uses and Abuses of Poultry Manure

Good Fertilizer for Garden Truck When Properly Preserved—Annual Yield is About Thirty Cents Worth Per Hen

By Walter C. Hunter



THERE seems to exist a general prejudice against the use of poultry manure. It is a common thing to see people owning forty to fifty fowls buying cattle manure at $2 a load for their gardens, and considering their poultry droppings as of little or no value.

Many have used it with disastrous results, due to a lack of knowledge about its proper application, or of its proper preservation and storage. As a matter of fact, poultry manure is a by-product of poultry keeping which has a saleable value, but, as is the case in all businesses that are small, few recognize that the by-products can be made substantial means of producing revenue.

Poultry manure is one of the best of manures if properly preserved. It is rich in nitrogen (sometimes called ammonia), and nitrogen is the most expensive element used to make the compound known as commercial fertilizer. In this respect, droppings are the most valuable of farm manures. Their greatest deficiency is lack of potash. That, however, can be applied separately, in proportion as the particular crop needs, much or little of it. When the droppings are allowed to remain unmixed with other substances, from one-third to one-half of this nitrogen evaporates in the form of an ammonia gas. The mixture of certain materials with droppings serves to preserve this nitrogen and, in addition, give the manure greater balance, as in separate form, the proportion of nitrogen is so large as to be wasteful.

Many who do not use dropping boards allow the manure to accumulate under the roosts and shovel it out once a year. If nothing is added, it becomes a solid, sticky mass and is hardly applicable while in that condition. Moreover, the mere act of cleaning out the house will raise such a stench that the neighbors will likely call out either the Board of Health or the reserves.

The first necessity is a proper place for storage. Any receptacle which will keep it dry will do, but a concrete bin properly covered, or something of that order, is almost a necessity on an up-to-date poultry plant. Any structure of wood will soon rot out when continually exposed to dampness. The construction of a cement base means a permanent place for compost, one that allows no chance for leaching

The methods of preservation are variable; something depends on what crop the manure is to be used for, but it is not necessary to go to any great expense to effect this purpose. The most common and cheapest method is to apply land plaster, also called gypsum. Some people think that land plaster and lime are like substances, which is not true. Moreover, the addition of lime will cause the very thing you are trying to prevent: the evaporation of the ammonia. Land plaster by itself is something of a fertilizer. It possesses the property of attracting and retaining moisture; hence it is most valuable on dry soils. A good mixture is half land plaster and half droppings, although only as much land plaster is strictly necessary as will make the manure appear white. Each time, after cleaning the droppings boards, sprinkle the boards with it. In scraping off the platform, the plaster will mix and adhere to the droppings. The manure should be stored in a cool, dry place. If at any time it develops an ammonia smell more plaster should be applied.

Another way is to apply acid phosphate and kainit, which also prevent the escape of the nitrogen. The addition of sawdust, dry loam or peat will make a balanced fertilizer which can be readily handled. It is best mixed in the proportion of fifteen pounds of hen manure, five pounds of sawdust, eight pounds of acid phosphate, and four pounds of kainit. Such a mixture has a value of about $10 a ton. It cannot be applied in drills, though it works very well with a manure-spreader. Woods and Barlett in an experiment involving seven different tests say that the absorbent used should be one of little expense as the soluble plant food added by any of the three ingredients just previously mentioned is negligible. Their principal value is as dryers and preservatives. Either one of the three will generally be found to be inexpensive. The first few times these elements are added it is best to weigh them. After that they can be measured with the eye. The droppings should be treated each day and the kainit and acid phosphate kept ready to hand for the purpose. They estimate the value of a year's droppings from 1,000 fowls at $300, though this estimate is too variable to be figured as positive by anyone about to start in the poultry business

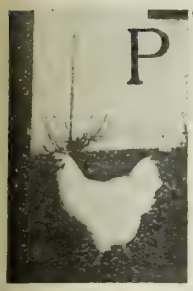
Poultry manure is quick acting; hence it is best for garden truck. It is best applied in the proportion of one part manure to two parts soil and not to be allowed to come into contact with a plant's roots. Some claim that it is good for all crops; the fact is, that it is ahead of any commercial fertilizer for some crops and better than nothing at all for others. Nitrogen is the substance which makes wood or stalks rather than fruit. When used for beans or peas its tendency is to grow very unusual vines with small pods on them. It is excellent for tomatoes. Some of the best corn I have ever seen was raised with hen manure as its only fertilizer. In working it into the hill, care should be exercised so as to not let it touch the roots which its richness will kill. For lettuce nothing is better and greater latitude of application is allowed. Lettuce needs all the nitrogen it can get. Scatter the manure along between the rows but do not get it close to the plants. I believe it specially good for rhubarb, also, judging from the results I attained last season. It apparently gives good results with grapes. For flowering plants it effects great growth of stalk with little resultant blossom. Last fall (September 25) I noticed some calla lilies which were more than seven feet tall. They just had commenced to blossom, but it was too late in the season to put forth much flower. The hen manure, with which they had been liberally supplied, had so stimulated growth all summer that there was none of the growing season left for blossoming. However, it is unlikely that these callas would have blossomed much after such a weedy growth. This illustrates the result of lack of balance in poultry manure.

There is a good opportunity for some genius to experiment with poultry manure with the idea of making it more available as a commercial product. I know of a case where a poultryman mixed it with chemicals, put it up in packages, and sold it as fertilizer for house plants, clearing nearly $100 as result of one year's operations. This gives some idea of how by-products can be made sources of considerable profit. Large industries like the packers, the United States Steel Corporation, and others are continually spending thousands of dollars experimenting how to utilize substances which are at present waste products of their business. And it pays them to do so. Poultry manure is of special value to truck gardeners. I believe it feasible to go to one such and to agree to preserve the manure as he may stipulate, provided he agrees to purchase it, adding whatever preservatives he may wish.

Egg Prospects and the European War

Timely Comment of Interest to American Poultrymen—Increased Demand and Better Prices for U. S. Laid Eggs

By Prof. J. C. Graham, Mass. Agricultural College



POULTRY KEEPERS have a habit of disposing of all the hens and pullets they can possibly spare whenever feed gets very much beyond the normal price, but conditions are such this year that we believe it will pay to keep all females that have a semblance of good laying qualities, irrespective of the cost of feed. I do not mean by this that extremely old hens or worthless pullets should be retained.

It is a well known fact that England depends largely upon continental Europe and some of her colonies for her egg supply, and as the poultry business is ruined in Belgium and large portions of France, Germany, Austria and Russia and the price of eggs in Holland, Denmark, Norway and Sweden is beyond the reach of ordinary people, her egg supply will be cut very short, in fact all continental Europe will suffer in this respect, unless it is Russia. This is to be greatly deplored, as large quantities of eggs will be needed for hospitals and convalescent soldiers.

The importation of eggs in the month of December, 1913, amounted to 1,514,296 dozen, or more than in the entire fiscal year which ended in June, 1913. This shows that foreign countries have their eyes on the United States as a place for their surplus egg supply, especially during the winter months. The fact that shipping has been more or less demoralized and these importations cut off leads us to believe that the price of eggs will be very high, not only this coming winter but for next season also and possibly for two or three years to come, because it will take considerable time for those countries to get their poultry work back to normal conditions. Furthermore, it will be greatly to our advantage, as well as to the consumers here, to habituate the public to the use of our own products rather than those of foreign countries.

The following extracts from "Poultry," an important English poultry journal, show the general trend of thought in that country, and also that the English are making every effort to increase the supply of eggs and poultry:

Resolution Passed by Poultry Club Council held at Oxford Court, E. C., August 14, 1914.

"That this Council appeals to all patriotic poultry-keepers, whether concerned in the production of table fowls or fancy birds, to support their country by continuing their normal course of business; and especially by retaining all useful stock birds with a view to increasing the nation's supply of fowls and eggs for food.

"That the fullest publicity be given to this resolution."

Resolution Passed by Sussex Poultry Club held at Lewes, Sussex County, England, August 14, 1914.

"That this club suggest to poultry breeders that all pullets should be saved for egg production and that selection be made later from such birds for the breeding of table chickens, the "Sussex" being especially useful for this purpose, it being a good winter egg producer; and as it appears that many of the shows will be cancelled the stock should be used for increasing the number of chickens next spring. With regard to feeding stuffs, it is anticipated that the prices will not materially increase, and whatever it might be, the price of poultry and eggs would more than compensate the breeder for the outlay and trouble involved. It is to be hoped that every poultry-keeper in the country will do his best to keep up the supply and increase it if possible."

"Business as Usual"—By a Special Contributor.

"'Business as usual' is the country's motto today, and it makes one proud of that fact that he is a Britisher to note the calm and workmanlike spirit which characterizes our people during this period of stress. In the world of poultrydom particularly we can go about our daily duties with quiet confidence.

"The threatened 'famine' prices of foodstuffs have not materialized. Poultry foods are quoted at an average increase of about $10.00 per ton, which means that when fed on the BEST foods only, each bird will cost 1½c per month more than ordinarily. I put it to the thinking poultry-keeper that the increased price of poultry and eggs, consequent upon the increased demand for these commodities, will easily bring his additional returns on a level with his additional expenditure, if not indeed considerably above it. I contend that the suggestion to put fowls on short rations, or to utilize inferior feeding material, are idiotic in the extreme. The sane man will continue to feed his birds generously and well, with the object of getting the highest possible results from them. He will indeed, if he be wise, pay special attention to his poultry at this time, for we are now presented with the greatest opportunity that has ever been offered to us. The decrease in foreign poultry imports will bring the home product prominently before the purchasing public."

We have it from good authority that the poultrymen of Canada are being urged in the same way to do their utmost to meet the demands that will be made upon them by the mother country for this important product. Why should not the poultry-raisers of the United States take advantage of this crisis, and not only help to make up the deficit in European markets and decrease the high cost of living at home, as well, but add materially to their own profits? This can be done by carefully observing the following:



"PRINCE CHARMING."
Special prize Indianapolis, 1914. "The nearest approach to an ideal Leghorn head." The Willows Farm, South Bend, Ind.

1. Keep over this year for layers all hens and pullets that will help to fill the egg basket.
2. Market, as soon as in condition, all worthless females and undesirable males.
3. Plan to raise a good supply of chicks next spring from the very best stock you have.
4. Because feed is high, do not think for a moment that good results can be obtained from underfeeding.
5. Feed your poultry well on good wholesome feed, but see that there is no waste.
6. Our common grains are the best feeds for poultry.
7. If mangels, beets, turnips, etc., can be purchased at a reasonable price they will not only decrease the grain bill but will add materially to the health of the fowls.

EDITORIAL

WE LEAD
OTHERS FOLLOW

65,000 A. P. J.'s for November, 1914.

State of Illinois, County of Cook, ss.:
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the November, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of October, 1914.
(Seal) HENRY G. EISERT,
Notary Public.

OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

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Look at the address on your wrapper. See that it is absolutely correct and notify us of any mistake, no matter how slight. Note the expiration date which appears thereon, as American Poultry Journal stops with the issue marked on your wrapper.

If you change your address give both your old and new address as well as your subscription number when notifying us of the change.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

What About the Future?

QUITE a number of our poultrymen friends ask: "What about the future? We have experienced three rather lean years; how will this war in Europe affect our business?"

We don't believe in worrying about the future. The future will be what we make it and will take care of itself. The past *has been* and can't be helped now. The *present* is with us and we can make the most of it.

While no one can predict what the outcome or the ultimate results of the war will be, we cannot see how the position of being the only big neutral world power can fail to bring us great opportunities for improvement of our own natural resources and the development of great business prosperity. It is not a time for hesitation and worry. It is time to get busy, to begin a sane and vigorous advertising campaign right now, and to get out and hustle for more and better business. It is a time to develop producing plants, increase capacity, improve and increase the output, and to make a business of making sales.

No one can hope to get business by sitting down and waiting for it to fall in his lap, or by fretting and worry over what has been or may be. *What is* and an ambition to get out and get all of your share of *what can be won* in the future, if you work for it, is what counts. Push, pluck, optimism and hard work will make and get business. In the poultry business a good start and an early start count big in winning success. It is not necessary or wise to plunge or to go in headlong and blindly, neither is it wise to be too conservative and to hesitate too long. While you hesitate some competitor may pick the fruit or reap the harvest. You can't plant an ad today and reap big business tomorrow. It takes persistent, consistent and continuous good advertising to win and hold business. A little spasmodic effort and a little splurge won't carry you far, but a good, vigorous, well-planned, keeping-everlastingly-at-it campaign is bound to bring in good returns.

If the war ends soon, we believe it will be a good year for poultry interests. If the war continues and proves as long drawn out an affair as now seems probable, we believe that conditions will be even more favorable for American poultry interests. Prosperity is headed our way and the opportunity is at hand, we don't see how anything short of monumental national folly can prevent us from doing good business. When we say don't plunge, we mean don't attempt more business than you can attend to well and thoroughly. Plan to winter all the breeding stock you can handle to advantage and take good care of. Don't attempt to carry more than you can house and feed well. Breeding and laying stock must be kept well fed to make them productive, there is no profit in keeping birds and feeding only just enough to keep them alive. Plan, in the chick season, to grow all the young stock that you can develop properly. Get out now and hustle to sell your surplus stock birds and begin a campaign for the sale of hatching eggs. Give your advertising abundant time to draw, keep piling up more good selling arguments on top of it. Don't let the buying public have a chance to forget you. Publicity counts. In this great and growing country, with its wide range of climates, the poultry business ought to be an all-the-year-around business, not a one-short-season business. It is only a one season business because the breeders make it so. Some enterprising day-old chick men have found that the day-old chick business is an all-the-year-'round business and they are making money at it. Selling breeding stock is an all the year around business. Eggs for hatching can be sold to advantage at least ten months in the year and under favorable conditions the year round. There is a big and growing demand for early eggs that will hatch. Summer eggs that will hatch good chicks can find a ready market. If you have good goods of the right sort there is a demand that can be supplied twelve months in the year. Opportunity is knocking for both fancier and utility man. Go after the business right, work it like any other legitimate business and try to keep customers coming back for more. It is a good time to forget the "hen fever" methods and inflated values of the "good old days" and to reach out after sane, safe, solid and substantial business.

To return to the war,—don't worry! There will be plenty of people left in Europe when the shooting is over. According to statistics the population of Europe nearly doubled in forty years of peace and in Germany there were over 300 persons per square mile when the war broke out; England had a population of 618 people per square mile in 1911; France, 189 persons per square mile, and Belgium's population averaged about 667 people to the square mile. The total population of Europe in 1912 was 454,600,000 people. These people must be fed and clothed and European resources, which were not sufficient in times of peace, will not suffice in war time when European business is, much of it, standing still.

No one can tell what effect the war will have on the producing and consuming power of Europe. National boundaries may change, but Europe must remain densely populated and devoted chiefly to manufacturing. It will export manufactures and import foodstuffs and raw materials. The continents of North and South America will very largely supply the needs of Europe. The United States should get a very large share of this business, as well as a big share of the commerce with other parts of the world that now

needs developing. American producers and a substantial American merchant marine should take advantage of this great opportunity opening for world business. We once had one of the most far reaching and prosperous merchant marines in the world and American ships were leaders in all world ports. We lost it through internal strife in the Civil War and European ships took our place on the high seas. Now, with all Europe in the throes of internal strife, we have an opportunity to win back the sea trade we lost and in greater measure. What we all need to do is to *get busy!*

Europe has for many years done a big business in the production of poultry and eggs and in dealing with eggs from the Orient for export to all parts of the world. Much poultry has undoubtedly been sacrificed during the war, production must be at a standstill, and there is little likelihood of Europe being a producing and selling factor in the poultry and eggs market for some time to come. Havoc has been wrought in many fanciers' flocks and much damage done to breeds of poultry. There is immediate opportunity for exporting market poultry and eggs and when the strife is over there should be a considerable and increasing demand for American Standard-bred fowl to restock European poultry yards. Meanwhile, we have a big market for breeding stock open and awaiting development in South America.

Get busy and strive to get your share of bigger, better business!

Day-Old Chicks.

IT may seem a bit early, or late, to write about day-old chicks, but it only *seems* that way, for the subject really is very seasonable. If one plans to do a business in day-old chicks the coming season, it is time *now* to prepare for it. There is opportunity right now to take orders for day-old chicks for immediate and for future delivery. Several hatcheries are selling chicks by hundreds and thousands this fall. One custom hatchery, we know of, began shipping chicks last January and intended to stop hatching in June to devote the months of July and August to getting ready for the next season. Customers desiring chicks for August and September delivery simply could not be refused and special order hatches have been made right through the year thus far.

Anyone sufficiently expert in incubation to hatch strong, livable chicks has an opportunity to do well with day-old chicks. One does not necessarily have to have a mammoth incubator, though such are desirable for large hatcheries, and several commercial hatcheries use the 300 and 400-egg individual, lamp-heated incubators. Several poultrymen we know, having only from three to eight small incubators, do a profitable business in day-old chicks. The prices obtained for chicks range from $10 to $25 per hundred. Fanciers who get long prices for hatching eggs have obtained two dollars each for chicks hatched from $10 sittings. Many buyers would prefer to buy day-old chicks at twice the price they would have to pay for the eggs for hatching.

If one has incubating equipment, it is a good time now to overhaul same and make sure that it is all in good working order and in readiness for the season's work. If one needs more incubators, *now* is the time to buy Manufacturers can handle your orders more promptly and to better advantage now than in the rush of the busy season later on. By buying now you can get prompt delivery and will have your machines when most needed and everything in readiness for early hatches. Do your buying early. Get your incubating plant ready for business and have all brooding equipment ready to receive chicks. There is ample time to do the work *now* and to do it well—later on you will have to hustle, and be sorry for it, if you put off the work. There is usually a market for day-old chicks at all the big poultry shows.

One does not necessarily have to operate incubators to do a business in day-old chicks. There is a good market for hen-hatched chickens, the brood sold hen and all. Hen-hatched chicks sold with the mother hen bring good prices, seldom less than 25 cents each for the chicks and $2 for the brood hen, and often more.

The essential thing is to have the eggs for hatching out of strong, vigorous, healthy stock and the chicks well hatched. Chicks that will live are in demand at the producer's prices. One R. I. Red breeder told us that he sold all the chicks he could hatch, beyond home needs, at 20 cents each and guaranteed 85 per cent of them to live if brooded and fed according to his recommendation. He did not have one complaint, though his complaints from eggs sold for hatching during other seasons had been troublesome.

Why not try to get a share of the profits to be made from sale of day-old chicks?

Develop a Parcel Post Trade.

MR. UTILITY POULTRYMAN, it is up to you to get out and hustle for business. With the aid of the parcel post you can sell your new laid eggs, dressed chickens and fowl direct to the consumer anywhere within 100 miles of your plant. You can pay for packing and postage and net a better return for your product than you can by selling through a dealer, and the consumer will get better goods, fresh from the farm, at no greater price than she now pays for the stale and much-handled goods the grocer offers.

Egg buyers who ship to market buy eggs and poultry as cheaply as they can. Their chief object is to get the buying price down and to sell for as much profit as possible. They collect small lots everywhere and the consumer gets a mixed lot of produce of doubtful age and varying quality and pays new goods prices.

Selling to the collectors and the "hen men" is poor business for the poultrymen. The only use a really live poultryman has for the rural collector of poultry and eggs is to sell to him such poultry and eggs as are not of sufficiently good quality to sell direct to consumers of first-class goods.

On October 8th the local groceryman was paying 40 cents a dozen *in trade* for fresh eggs; a nearby poultryman selling to private trade was paying 46 cents a dozen *cash* for eggs to sell again; the price of eggs in a city 30 miles away was 56 cents a dozen at retail. City customers were glad to pay 56 cents a dozen for new laid eggs delivered direct by parcel post from the poultry farm. The extra cents per dozen are worth working for.

Madam Housewife, you admit that you never can buy eggs from your grocer that taste as good or prove as satisfactory as the new laid eggs you had when you visited the farm. There is a reason. The "fresh eggs" you buy from your grocer are seldom really fresh eggs. They are "selected" eggs from various sources and of different ages, culled from large lots shipped in by collectors and country grocery stores. Such "store eggs" can't compare with eggs produced on an up-to-date poultry farm, where the hens are fed well on the best of wholesome egg-producing food. The poultryman can deliver to you the best quality new laid eggs, shipped on the same day they are laid and ready to grace your table before the new laid "bloom" is off the shell. Every egg is not a first quality food egg simply because it is labeled "fresh." Every egg you buy direct from the poultryman will be guaranteed in quality and freshness, the best food eggs produced. Hospitals and first-class hotels pay higher prices for new laid eggs direct from the poultry farm, because they require the best quality eggs in their business, and they cannot afford to take chances with the ordinary eggs of the market. You, Madam Housewife, should not take chances with the food you supply your family; you need, pay for, and should get the very best food quality obtainable. The way to get the best food quality in poultry and eggs is to buy your supplies direct from the poultry farmer. It is true that you will be required to send cash with your order, but you need not be in the least afraid to send the money in advance. There are practically no cases of fraud; poultrymen as a class are honest and can be relied upon to deliver the goods.

In buying or selling eggs by parcel post the orders should not be too small. It is better economy to have at least four dozen eggs in one shipment. The heaviest cost for packing and postage is in the first pound, and it costs very little more to deliver four dozen eggs than one. In packing eggs for parcel post shipment a common "split" market basket with handle is the best. Make a bed of excelsior in the bottom of basket, wrap each egg in excelsior, and cover with a pad of excelsior and cover of clean, cheap, cotton cloth tucked firmly into rim of basket. Use a printed label marked "EGGS—HANDLE WITH CARE," and be sure to have farm name and address on your labels and shipping tags. Do not include any writing with the shipment.

Dressed poultry, if starved 36 hours before killing, dry picked, properly chilled and dried, will go safely by parcel post. When chickens of roasting size were only bringing 14 cents a pound alive at the door, sold to the collector, one of our neighbors sold his surplus birds, dressed, at 28 cents a pound to city customers. One cannot afford to sacrifice birds at 14 cents a pound. It costs that or more to produce them. The extra 14 cents a pound is worth working for. It only costs 5 cents each, or less, to have chickens dry picked by an expert and the shrinkage in weight from loss of blood and feathers is small.

It requires a little hard work and push to establish a city parcel post trade, but it is worth the effort. Oftentimes the postmaster can put you in touch with prospective buyers. City friends and acquaintances can be of

great assistance. Advertising in the city newspapers is apt to prove disappointing, but properly handled will bring business—though it is for the large producer rather than for the small plant poultryman. The best proposition is to get directly in touch with one or more consumers through business friends. One city consumer we know of began by taking home a few eggs from the farm on returning from a brief visit. Then she sent for 15 dozen and distributed them among friends and neighbors. In a short time she was having two half-cases, of 15 dozen each, delivered each week, chiefly to be used by several families in the same apartment house. These buyers told others about the fine eggs "that taste different from store eggs," and other families began to club together to get regular shipments. Then came requests for dressed poultry and the poultry plant, that made its start in city business by presenting a visitor with two dozen eggs, is now sending all of its best output to private city trade, dealing direct with the consumer and mainly by parcel post.

City dwellers everywhere can get the best of fresh farm products delivered direct from the farm by parcel post. The service is improving. Here is a big opportunity for consumers to buy good goods at fair prices and a still greater opportunity for poultrymen to establish an independent business, get better returns and do away with the losses which result through many handlings by middlemen, each of whom gets his profit on your goods.

NOW is a good time to begin the development of a parcel post poultry and egg business. "Direct from nearby farm" should have a meaning for consumers who pay fall and winter prices. Customers take a greater interest in quality when the price is high and going up.

United States Citizens and the Farms.

THOSE of us whose ancestors immigrated to this country early in the seventeenth century and who had forebears in the war of the American Revolution, are disposed to feel quite a little wholesome pride in belonging to "the old American families." Yet, the few years and the few generations between ourselves and our immigrant ancestors do not make us any better citizens of the United States of America than people of foreign birth who have been naturalized. The worth is in the man, not in the accident of birth;—though good blood lines, good breeding and the introduction of new blood, count for much with folk as do the same conditions with lower animals.

Many farm seekers express a desire to get into "a fine old American neighborhood." That is a difficult proposition at the present time. When one really does find a rural district where the "old families" predominate, the stock is apt to prove pretty well run out through intermarriage (inbreeding) and the newly arrived home seeker is apt to be disappointed. There is seldom anything more discouraging than a too closely inbred rural community. Some farm seekers complain that most available farms and country homes are "in a foreign neighborhood." We don't see how that can be avoided and oftentimes the "foreign neighbor" proves more desirable than "natives." Good neighborhoods without "a fly in the ointment" are exceedingly scarce in city or country, and the best we can hope for is a home-like home place where, in living conditions, the good features overbalance the bad.

According to *The National Geographic Magazine*: "Five million two hundred and fifty thousand persons came to the United States to make a permanent home during the ten years 1900-1910" and it is further shown that: "We have one-sixth as many Canadians as there are in Canada" (a large number of these are Canadian French) "and one half million more Germans than the city of Berlin; enough Irish to make four Dublins, and enough Italians to make three Romes."

Even among the poorer class of foreign-born citizens the development in two or three generations into prosperous and patriotic Americans is really amazing. It is shown by statistics that one person in every seven in these United States was born outside the border and that over one-third of all the people in the United States are foreign born or have one or two parents who were foreign born.

From these facts, farm seekers will see that they cannot afford to be too fussy about "foreign neighbors." The oldtime rural communities of all "old American families" must be pretty nearly a thing of the past, or, if they can be found, may not prove desirable to live in. It must be borne in mind that only about two persons in every three in the United States can claim the distinction of belonging to an "old family" having two or more generations of citizenship.

It might be just as well to remember that we are all citizens of the United States of America. All striving to better ourselves and the conditions under which we live. We have to accept conditions as we find them, but we can all strive for improvement and better understanding. This is a great and powerful country with sufficient resources to sustain itself and to remain at peace. You can take pride in your United States citizenship, be it newly acquired or inherited from a long line of ancestors. You have your own share of responsibilities and your own share of the world's work to do. Get on the job and forget the petty things in striving to do your best in the broader and bigger things of life. A united people, with one country, one flag, with ambition for improvement and success, will win progress and prosperity—while nations divided by racial hatreds and bickerings fall by the wayside.

Be a Citizen of the United States and all that the title stands for. Opportunity and Prosperity are knocking at our doors.

What's Your Name?

HOW few people breeding poultry have ever stopped to figure the vast number of people who are raising poultry. Just stop and count the ones in your city alone—wonderful, isn't it?

Well, it struck us that way and we decided what a great idea it would be to have the 1915 Year Book contain the name of every man and woman in the United States and Canada who raises chickens, ducks or turkeys.

Now, before you forget it write us at once for further information. Address your letter to Managing Editor, 1915 Year Book.



CLEVELAND, OHIO

FOREST CITY SHOW

Fashion Plate Buff Orpingtons win three firsts, two seconds, display and minor places
—all our birds get a ribbon except two.

Six Fashion Plate Pullets laid 331 eggs in March and April, 1914—over 90% production—100% for 39 days—Townsend's Experimental Plant, Weedsport, N. Y.

BUY INTO THE STRAIN THAT WINS WHEN BRED TO LAY

2500 Birds in unbroken assortment. Get the **Fashion Plate Book FREE** and be convinced where to purchase. Eggs half price until December 1st.

A. E. MARTZ & SON Buff Orpington Specialists BOX A **ARCADIA, IND.**

Is It Necessary to Retouch Photographs of Prize Winning Fowls?

DURING the last two seasons we have received numerous requests from well-known breeders all over the country to do as little retouching as possible on the photos of their birds; in many cases we have received orders to run the pictures absolutely unretouched. In our January and February issues we showed quite a few pictures of this kind which had not been retouched and which showed the specimens absolutely as they appeared in the fanciers' yards.

An agitation among America's foremost breeders has sprung up during the last three or four months to do away entirely with the retouching of photographs. In fact, our foremost breeders such as A. E. Martz, of Arcadia, Ind.; Chas. V. Keeler, Winamac, Ind.; Eugene C. Smith, Aurora, Ill.; H. W. Halbach, of Waterford, Wis., and many others have said that they would not use retouched pictures in the future.

Now, the question is, is it right to retouch photographs and run them in the poultry papers, representing them as specimens that won at certain shows? We say, no! The breeder who can produce superior specimens, able to win at the large shows, should show his birds in an absolutely natural condition and receive the proper credit for producing such a high-grade bird.

As it has been up to the present time, almost any old photograph of a bird could be idealized so it would resemble exactly the first prize winners at Madison Square Garden, Chicago or other big shows, and the advertising influence created by such a picture was illegitimate and downright "flim-flamming" the public. We do not want to go on record as saying that the shape of every prize-winning bird shown heretofore has been altered to such an extent as to destroy the entire outlines of the bird, although in a few cases we know it has been done.

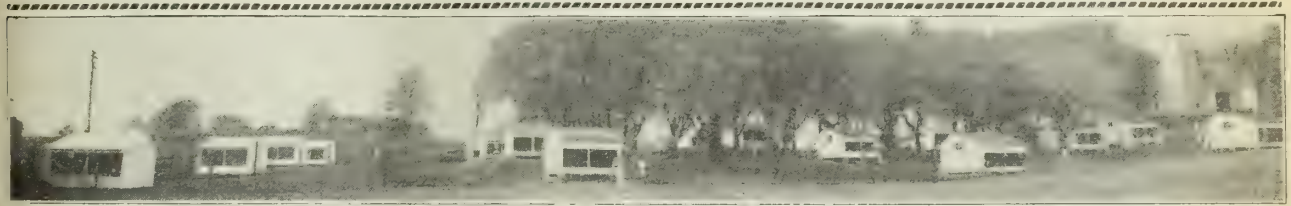
It is a very difficult proposition to photograph a fowl and show its type to best advantage. It can be done, however, if the artist is given sufficient time. Too many breeders have a cut made from a photograph that is absolutely an imposition on the bird. Just because they know the bird is good and is the first prize winner they snap a picture of the bird in any old position and have an engraving made from same and run it in some poultry paper. At the same show another breeder wins in the same variety and class and sends in a first-class picture to the same paper to have a cut made. As it happens these two pictures are run in the same issue and the reflection on the ability of the judges alone which these pictures cause and the advertising value which the owner of the poor picture loses should cause poultry papers to absolutely refuse to run pictures that do not show the type of the bird to best advantage.

In this issue of the American Poultry Journal we show a number of absolutely unretouched pictures of birds which are a credit to the breeder's skill, and if at this time of the year we can make such pictures, we are certain that we can make better ones during the show season, when the birds are in perfect condition and are trained and handled.

It has been said that it is impossible to show penciled and partridge varieties and do justice to the fine markings, for the reason that red and black photograph very similar. We are willing to disprove this statement and show in this issue a picture of a triple laced Partridge Rock female which shows every marking and without having been retouched. Of course, the artist who makes a specialty of photographing poultry is handicapped to a certain extent. He is working under unnatural

Smith's Strain White Leghorns

***Real* Winners—*Real* Layers!** Winners at Chicago, St. Louis, Indianapolis. Write today for Finest Leghorn Catalog—Free! **Eugene C. Smith, 317 Galena Blvd., Aurora, Ill.**



Carverville, Home of Carver's Famous Reds

RED SUSSEX **RHODE ISLAND REDS** GOLDEN CAMPINES

CARVER'S RED FARMS, First Big Win of the Season, at the Great Forest City Exposition Cleveland, the Hagerstown of the Middle West, 3,500 birds. We won 10 firsts, 7 second prizes, every bird but one placed. Over 100 prizes the past 12 months in such shows as Chicago Coliseum, Madison Square Garden, Buffalo, Cleveland, Ohio, A. P. A. Show. Also reports from our customers winning in over 25 states. Get our down-to-rock-bottom war prices. They will open your eyes and save your pocketbooks.

A. A. CARVER, Specialty Breeder **CARVER'S RED FARM,** **L. Box 2, SEVILLE, OHIO**

MARTIN'S REGALS



Crusader III, a Boston Winner

Have opened the season by making a wonderful winning at the New York State Fair. Competition was keener than ever, but the result was the same. At three of the largest early shows in America, the names of which I am not at liberty to mention, birds I furnished made splendid winnings for my customers. The following letters which I have permission to use are just a sample of the letters I am receiving from day to day. Regal White Wyandottes have surely established their right to supremacy:

Poughkeepsie, N. Y., September 13, 1914.

At the fair last week my birds won the following prizes: 1st and 2d cock, 1st and 3d hen, 1st, 2d and 3d cockerel, 1st pullet, 1st pen (old), 1st and 2d pen (young). Judge Drevenstedt said my birds were a grand lot, in fact, first cockerel and first pullet wonders. My exhibit was a great advertisement for the "Regals" as I had a sign on every coop "Regal Strain." Thanking you for past favors, I remain,

Yours truly, E. B. UNDERHILL.

Hanover, Pa., September 21, 1914.

I wish to thank you for the high quality birds you sent me. I am more than pleased and I surely got my money's worth. I won 1st cockerel, 1st, 2d, 3d and 4th pullets; also 1st young pen and special for best display of White Wyandottes. Thanking you for such quality, I remain Yours truly,

FRANK P. ALTLAND.

NEW YORK STATE FAIR, 1914

Cocks 1-2-3-4
Hens 1-2-3
Cockerels 1-2-3-4-5
Pullets 1-3-4-5
Pens (Young) 1-3-4
Pens (Old) 2-3-4
Three Silver Cups and $25 in Gold for Best Display

3,000 Cocks, Hens, Cockerels and Pullets For Sale, 3,000

Special—200 exhibition cockerels and 400 beautiful pullets ready now to win the blue ribbon for you. 100 well matured cockerels from my heavy laying Dorcas line, $10, $15, $20 and $25 each. Dorcas pullets, $4 and $5 each. Stay-White utility cockerels, $3 and $5 each.

Free—Twenty-page illustrated catalogue and sale list.

John S. Martin, Box 51, Port Dover, Canada

lighting conditions at many of the shows and the few hours of good light which are at his disposal are soon gone and he is continually working under a high tension. We believe that if the birds were sent direct to the artist's studio that far better results can be obtained, as he can develop his negatives on the spot and make as many as are necessary to produce the most perfect results.

The American Poultry Journal, as usual, is the pioneer in this field and living up to its motto, "We Lead, Others Follow," has always advocated the use of unretouched pictures, believing that the skillful breeder should have full credit for his work. Beginning in the January issue, every picture that has been retouched will bear the legend, "Cut made from retouched photograph," and every unretouched picture will be labeled "Cut made from absolutely unretouched photograph."

We ask you once more to look at the photographs in this issue and we are certain that you will agree with us that our standpoint in this matter is correct.

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Give Us Your Ideas.

AS a reader of the American Poultry Journal you are well aware of the success of the second annual edition of the American Poultry Year Book.

At this writing our staff is working day and night, sparing neither time nor money to go a step farther and make the "1915 Year Book" the Peer of all Poultry Literature.

Just a word about the new features: There will be photos of the people who have helped to make this "Billion Dollar Industry," and we want yours among them. Then comes the women's section—ideas for the house—what other wives have done with poultry—all that sort of thing that interests a woman. How to be a successful breeder—this story you will want to save for your leisure moments, for once you start it you won't want to be disturbed. These are just a couple of the odd fifty new articles which you will find in the 1915 Year Book.

The feature sections will be written by the foremost poultry authorities of the country—each and every article being as new as a "crisp ten dollar bill."

Of course, there will be the regular poultry news, show and fair reports—reports of experimental stations—egg-laying contests—diseases—how to prevent and cure—the building of poultry houses—the rear lot breeder, and hundreds of other articles. By the way, another new feature that will interest you, the Year Book will contain a complete parcel post table of rates, showing cost of shipping to any and all points in the United States and Canada. In fact, if you wrote it yourself you couldn't be better suited.

Yet we feel that among our thousands of readers there are a number who have **ideas, that if put into print would be of** great help to other readers, and following these lines, we, herewith, ask that you send us any article that you feel will interest poultrymen—it makes no difference what it is, just so long as it pertains to poultry. If the article is used it will be run under your name.

Now write us at once and help make the 1915 Year Book the "Webster of the Poultry World." Address all mail to Managing Editor, 1915 Year Book.

o

Prize Awards in Chick Growing Contest for 1914.

ALTHOUGH there were over one hundred entries in the AMERICAN POULTRY JOURNAL'S Chick Growing Contest for 1914, less than twenty-five of the contestants sent in complete reports and photographs at the finish. The reports received were most of them very good. Quite a few contestants withdrew because they found the season a difficult one for getting satisfactory results with chicks and others had trouble with the required photographs. Some simply dropped out without giving any reason. However, we are quite pleased with the results obtained and are willing to attempt another similar contest next season if our readers want to give it another trial.

The winner of the first prize sent in two groups of photographs of the competition flock and all were so excellent that we have reproduced the ten pictures with the winning article in this issue. The first prize article is entitled "Success Growing S. C. W. Leghorn Chicks," so the "Blue" goes to a breeder of one of our most popular egg-farm varieties. Complete list of awards and varieties represented follows:

First prize—$15—C. H. Krumm, S. C. White Leghorns, Towanda, Pa.

Second prize—$10—A. H. Faulkner, White Orpingtons, Millington, N. J.



First Cockerel, Chicago, 1913

Parmenter's S. C. White Leghorns

THE GREAT CHICAGO (COLISEUM) WINNERS, 1913

Cocks—1st, 3d, 4th and 5th. Cockerels—1st, 3d and 4th.
Hens—1st and 3d. Old Pen—1st. Young Pen—1st.
Special Best Display.

The above record is not misleading. It was a great acheivement and speaks for itself. We have birds good enough to show any place. We know how to condition them. Our prices are reasonable. Address

PARMENTER'S S. C. W. LEGHORN FARM
Robert Parmenter, Prop. **Knoxville, Illinois**



Keeler's White Wyandottes

The champion and premier prize winners, birds of proud lineage and the product of years of scientific breeding with whom winning the blue ribbons has become a habit, line-bred and pedigree-bred producing the winners at America's greatest shows for the past twenty years. Chicago, Kansas City, Indianapolis, Cleveland, New Orleans, Dallas, Texas, Pittsburg, Los Angeles, etc. The strain that has established more successful breeders of White Wyandottes than any other. The strain you must have to be successful.

The World's Greatest Strain

The opportunity for profit in the poultry business never was so great as now. As a money-making proposition breed good White Wyandottes. High-class stock is in demand everywhere. With Keeler's White Wyandottes you can make money in three ways: By winning at the shows; By rearing and selling pure bred stock and at the same time having the best of utility fowls for your own use. Keeler's White Wyandottes are the handsomest of show birds, and the best general purpose fowl producing two-pound broilers in eight weeks and lay from 200 to 265 eggs a year. Start right by starting with **Keeler blood.**

3,000 Birds For Sale, 3,000

In selected breeders at $25, $35, $50, $75 and $100 a pen (four females and male). Choice show birds of better quality than ever ready to meet the keenest competition and win. Get in touch with me NOW for your December and January show birds. All show birds will be conditioned, washed and fitted for your show without extra charge. 60-page art catalog of America's Finest White Wyandottes free, send for it now. Breeding pens for 1915 mated January 1st. State wants plainly and address

Chas. V. Keeler, R. F. D. 11, Winamac, Indiana

Third prize—$7—John St. John, Buff Orpingtons, Roswell, N. M.

Fourth prize—$5—Mrs. Frank H. Miller, White Wyandottes, Earlville, Ill.

Fifth prize—$3—F. A. Ziegler, Partridge Plymouth Rocks, Appleton, Wis.

Sixth prize—$2—S. P. Henderson, Mottled Anconas, Johnson City, Ill.

Seventh prize—$2—Mrs. Denton Cole, Silver Wyandottes, Binghamton, N. Y.

Eighth prize—$2—Chas W. Zahn, Black Langshans, Hagerstown, Md.

Ninth prize—$2—Mrs. R. D. Weimer, White Leghorns and R. I. Reds, Port Alleghany, Pa.

Tenth prize—$2—Turner Harriss, Buff Plymouth Rocks, Carterville, Ill.

The prize articles will appear in AMERICAN POULTRY JOURNAL from time to time as we have space for them.

———o———

Oct. 8, 1914.

Editor American Poultry Journal.

Dear Sir: I have read with interest Mr. McCullough's comments in the October Journal in regard to Mr. Orr's stand in refusing to disqualify a bird of the clean-shanked variety for down *between* the toes. Mr. McCullough goes on to say that he thinks the American Poultry Association made a mistake when they made down *between* the toes of clean-shanked varieties a disqualification.

May I be permitted to call the attention of the gentlemen to a matter that may almost justify the actions of the one, and permit of fulfillment of the wishes of the other in this matter.

The 1910 Standard under the head of "General Disqualifications" says, "feathers, stubs or down *on* shanks, feet or toes of clean shanked varieties" shall be a disqualification. But under "Cutting for Defects" it plainly says that down *between* the toes of all clean shanked varieties shall be cut from ½ to 2 points.

Now, no matter what may have been intended, nor how the Judges may interpret the matter, and I have seen judges disqualify for down *between* the toes of clean shanked varieties, it seems to me that if the Standard is followed literally, as I believe it should be, I cannot see where a judge is justified in disqualifying a bird for this defect.

I have no axe to grind, as my birds, the Buff Orpingtons, are practically free from this defect. I have not one in my yards at this time with the defect, but I strongly feel that the defect when present in an otherwise fine specimen, should certainly not disqualify the specimen.

I believe in a high standard, but one that will do most for the advancement of the breeds along lines that will make them more useful, and I think that our English cousins are far ahead of us in this matter of making Standards, in that they look more to the vital and large things that go to make up a good specimen, and pay less attention to the minor details, heavy penalties on which tend to retard the de-

Smith's S. C. Buff Leghorns

The Largest Exclusive Breeder of Buffs in the World.

I have no other breeds. They are the world's best layers when eggs are high, and winners at thirteen of the largest shows. Eggs, Chicks, Breeding Stock and Show Birds by the thousands. If you want to win at the big shows send me your order and I will please you. Send ten cents for catalogue and find out how to raise 150 pullets to six months of age, for 15⅓ cents each.

F. S. SMITH Life Member A. P. A. and Life Member Single Comb Buff Leghorn Club **Box C and D, HAMILTON, O.**

PITTSFIELD Pure Bred Money Making Cockerels and Pullets

Barred Rock White Rock S. C. W. Leghorn R. I. Red

25% Below Regular Prices if You Buy NOW

We hatched 300,000 chicks this year. So high did they average that we have 8000 too many even after the most rigid culling. **During November only** you can buy our Barred Rock, White Rock, R. I. Red, and S. C. White Leghorn Cockerels at

$7.50	for our regular	$10.00	Superlative	Cockerel
5.62	" " "	7.50	Excellent	"
3.75	" " "	5.00	Standard	"

All are utility stock of the highest type, sons of heavy layers and bred in the original Pittsfield way to produce profit payers. Some are semi-show birds —all are pedigreed and toe-marked. We can mate them to unrelated females. They are wonderfully good birds at wonderfully low prices—but you **must order now** to get this bargain. Prices positively go up after November.

Day-Old Chicks. Order now for delivery next spring. Prices, all breeds. $5 for 25, $10 for 50, $18 for 100. Notice the lower prices on small lots.

Four- to Eight-Weeks' Old Chicks. February 1st to July 1st, 4 weeks: $15 for 25, $25 for 50, $50 for 100. 8 weeks: cockerels, $1; pullets, $1.50.

For the same reason we are sacrificing prices on cockerels, we offer 1500 S. C. White Leghorn pullets. They are selected from 3300 pedigreed birds—the big egg strain from which we will supply day-old chicks next spring. You gain a year by ordering now. Nobody ever offered such Leghorn values as these. $3, $4 and $5 pullets for $2.25, $3 and $3.75 each. **Special offer** of 15 Excellent pullets and a Superlative cockerel for $50 net; or 15 Standard pullets and an Excellent cockerel for $35 net; or 15 Superlative pullets and a Superlative cockerel for $60 net.

Besides these price reductions we must sell 1,000 hens that we would ordinarily keep another year for our own breeding. Start or renew your breeding pen while prices are so low. Barred and White Rock hens $2.50, $3 and $4 each. 12 hens of either strain mated to a cockerel for $33, $41 or $55.

Sure-to-Win Show Birds

While Pittsfield is strictly a utility strain we raise splendid exhibition birds. This year they are better than ever. The prices are moderate—but you must write early to get the choicest.

The European War and the poor hatches of 1914 mean higher prices for poultry and bigger profits for you. Order early and order plenty.

Write for our book, "Money Making Poultry."

Every Pittsfield bird is sold on approval, to be returned and money refunded if not satisfactory

PITTSFIELD POULTRY FARMS CO.

190 Main St., Skowhegan, Me.

velopment of the breeds. In the matter above under consideration, however, I cannot see but what our Standard intended this defect to be penalized only to the extent of a cut, which will work for its elimination without at the same time too severely retarding the development of certain breeds by disqualifying some otherwise fine specimens.

Am I not right?

Yours very truly,
John St. John.

Roswell, N. M.

DR. WOODS' NOTES AND COMMENT.

Apparently European affairs are still a long way from any real settlement. When we went to press last month it looked as if it might be a long war, but some glimmerings of hope for peace were held out. At the present time of writing it still looks like a long war, it looks more like a fight to a finish and with little hope for any lasting or real peace until a real knock out blow is administered. With the "news" so strictly censored and coming chiefly through the combatants on one side only there is little opportunity to size up the situation and to date the conflict seems to be a "draw." The official bulletins admit that the great battles thus far have been "undecisive." With the odds of numbers and resources against Germany it would seem that she must in time be crushed, but it will take time and much fierce fighting to crush so brave, resourceful, well-trained and well-equipped legions of a military nation. Will America be drawn into the war? We hope not and we believe not. We have everything to gain and nothing to lose by keeping out of it.

* * *

Business in the United States is looking up and there is improvement all along the line. Some of our foremost business men believe that the United States is now in touch with its greatest opportunity for development and commercial prosperity. Intelligent producers all over the country are making ready to do a big business the coming season. "Made in U. S. A." is going to take on a new value, both at home and abroad. Getting a good start and an early start is recognized as the best means of making the most of our great opportunities. Once started right, keep plugging right along for more and better business, be optimistic, be hopeful and sure of success and don't miss any little essential detail of your business or any opportunity to get more firmly established on a better and more sound footing. Boost your business and boost for better business. If everybody lends a hand and does his level best we will enter into one of the most prosperous eras that the New World has ever known. Get busy now and keep busy!

* * *

A very hopeful and encouraging symptom here in our home land is the fact that our own local and national news of the day is crowding European war news off the front pages of our newspapers. It indicates that we are taking more interest in home affairs and less in the troubles of other nations. The advertising columns of the daily press show that our leading business houses are putting up a hot competitive fight for trade and are boosting American products. A trip through the shopping district of your nearest large city will convince you that business is booming. While we deeply sympathize with our afflicted friends across the ocean, we are taking a very healthful interest in our own affairs and promoting better business, progress, and prosperity. Keep right on boosting for the United States of America. Let your "patriotism" be the sort that builds up progress and prosperity and not the kind that kills and destroys civilization.

* * *

In many sections of the country the season has not been favorable for a good big crop of chickens. Good pullets and good yearling hens are rather scarce. The prices of poultry and eggs are about normal for the season and in some cases hold firmly at a slightly higher figure than last year. The demand for market poultry and eggs and for laying and breeding stock for utility purposes is good. From 25 to 35 cents a pound alive was paid for pullets in our section during the latter part of September and early October. A great many utility birds have changed hands. Fancy stock has moved a little more slowly but the demand for good breeding stock is steadily improving and the fall shows have been well-filled, well-attended and the exhibits good. It behooves fanciers to get an early and strong start and to work hard for their share of the better business which should come during the season of 1915.

* * *

We admire the brave stand that is being taken by British fanciers. The English poultry press is encouraging fanciers throughout the nation to "Stick to your poultry and help the country"—"Increase home production"—"Depend upon it, those who hang on to their birds will benefit later"—"Let there be no panic in the Fancy"—"Not a Show should be stopped; not a single useful breeding bird should be sacrificed"—and to "Carry on business as usual." Some shows have been abandoned from necessity, but many poultry exhibitions were



TEDDY V
Our Chicago winner, bred and owned by us.

Barred Rocks

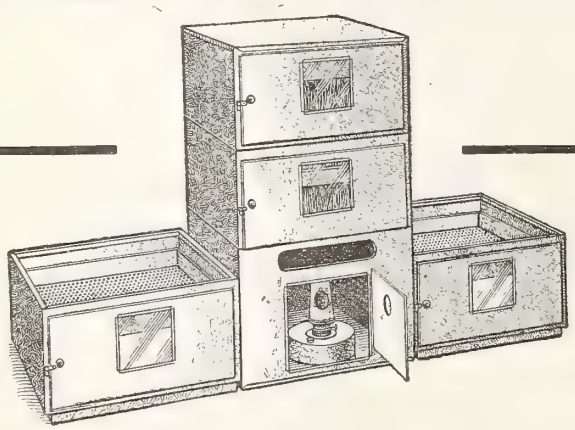
Our Barred Rocks have made a national reputation as prize winners for our customers and for us by winning most of the prizes at the Chicago Show and at many of the largest shows all over the United States.

We have 1000 show birds; cocks, hens, pullets and an extra choice lot of fancy prize winning cockerels. Can furnish you single birds, pairs, trios or pens and guarantee to please you. Pure Bradley Bros. and Latham strains. Cockerel and pullet bred.

Why go east when we can furnish you better birds for less money.

Grand circular showing our Chicago winners, is free.

STANDARD ROCK FARM
TRUCKENBROD BROS. MENDOTA, ILL.



Moe's Sectional Oat Sprouter

A reliable double walled sprouter adapted to any size flock. As your birds increase in number add another section. First section contains the lamp box and two trays which will furnish ample green food for a flock of 50. Each section contains two trays and increases your capacity for 50 more fowls. Our special fresh air feature prevents the grain from moulding or becoming sour. Nothing like green food for increasing your egg yield in the winter. So constructed to supply plenty of heat and moisture. Manufactured entirely of heavy galvanized iron. No wood to warp or fall apart. One size only.

No. 59—Base with lamp and two trays..... $7.00
No. 60—Additional section with two trays..... $5.50

If not at your dealers, sent direct on receipt of price.

Otis & Moe Manufacturing Co., 2011 Otis Bldg., Chicago, Ill., U.S.A.

held according to schedule in spite of the deadly struggle across the Channel in which England is taking so active a part. If our friends in England, amid such stress and strife, remain so loyal to poultry interests as to strive to "carry on business as usual" surely we, who are so far removed from the battlefields and citizens of "a land of peace and plenty," can all lend our best efforts to promoting poultry interests and better business here in America.

* * *

Prof. Edward Brown, in *The Feathered World* for September 11th, says: "I have been endeavoring to obtain information with respect to poultry and poultry breeders, as to what has taken place in Belgium as a result of the invasion of that country, but up to the present time have not been able to get in touch with those whom I know there. Some of them I fear may have fallen victims in the great conflict. That most of the poultry in the country will have been killed may be accepted without question, and I fear in many cases very great damage has been done to breeds. We must bear in mind that Belgium has perhaps been the most fertile country so far as the races of poultry are concerned.

"What I venture to suggest is that when conditions have resumed something like the normal, and the country is clear of invasion, British fanciers, who have found for many years excellent customers in Belgium, might express their sympathy in a very practical manner, namely, by donating birds, or, if the time is favorable, eggs for hatching for distribution in Belgium. I merely mention such a suggestion, as the scheme would require working out, but if the various poultry clubs on this side, as well as individuals, could combine in this way it would be an act of kindly generosity that would be appreciated by our *confrères* in Belgium."

* * *

The Feathered World editorially endorsed Prof. Brown's suggestion for practical assistance for Belgian poultry farmers and the following week was able to publish a list of 23 British fanciers who promised stock and eggs for Belgian breeders when opportunity occurs, and by this time the list undoubtedly contains many more names. Here is true fancier spirit and a practical illustration of the good fellowship that rules among poultrymen everywhere.

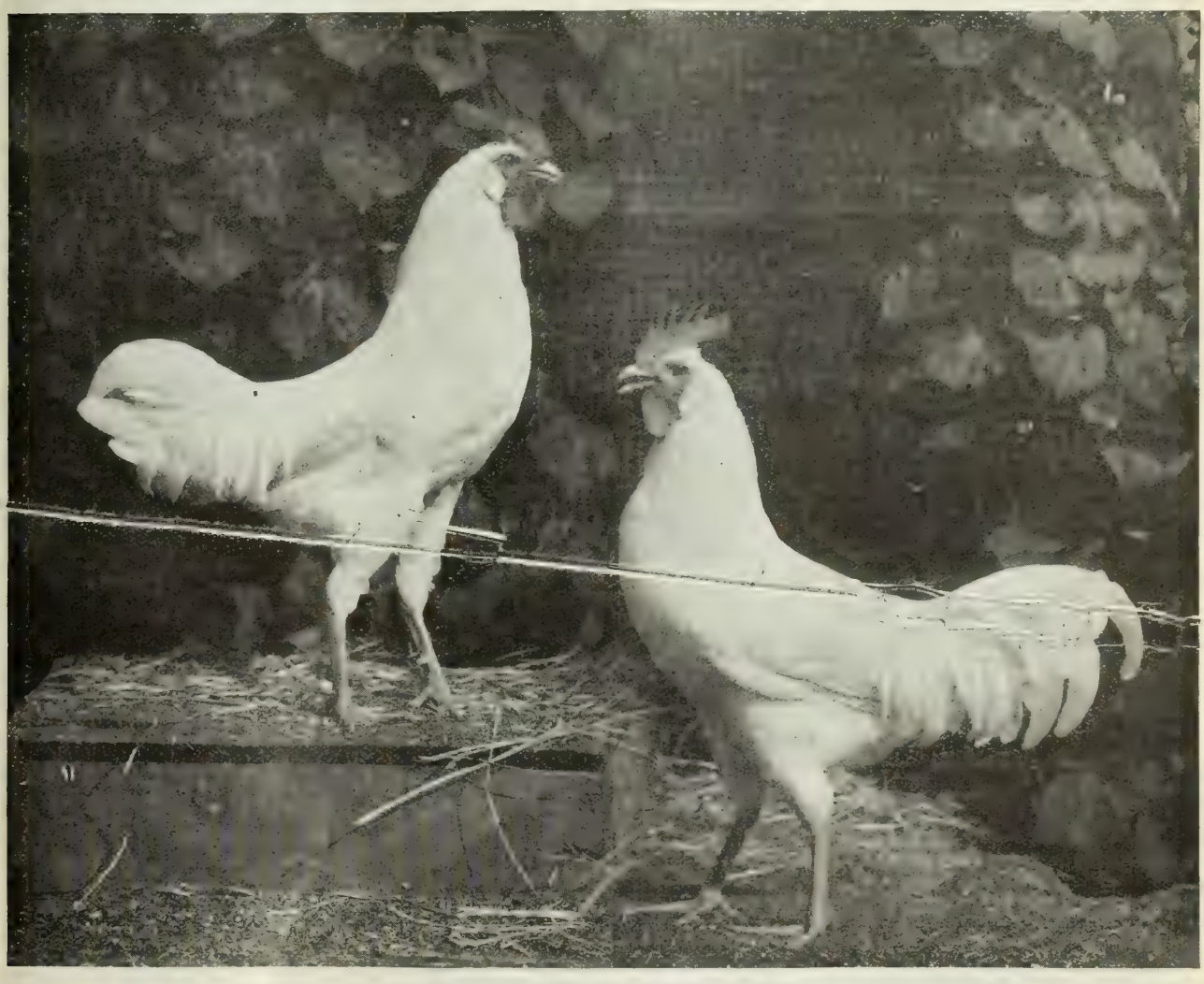
Please note what Prof. Brown says about Belgium, that it "has perhaps been the most fertile country so far as the races of poultry are concerned." Then bear in mind that a breed that a number of American fanciers would have liked to place in a Belgian class is to appear in the newly created "Continental class" of our new American Standard. Maybe some of our Standard tinkerers might profit by a study of the origin of some of the races of poultry. This comment is not intended as "criticism" but rather as a suggestion that may be "worthy of a thought."

* * *

Poultry clubs throughout England are urging poultry breeders to save all the pullets possible for egg production and to make selections of breeding stock for producing table chickens and, during the period of low prices for eggs, to incubate all eggs possible from the heavier varieties. It is not anticipated that the price of grain in England will materially increase and it is believed that better prices for eggs and poultry will offset the high cost of grain. Poultry keepers throughout the British Isles are encouraged to keep up or if possible to increase the supply of poultry.

* * *

During August and September there



Unretouched picture of two four-and-one-half-months' old S. C. White Leghorn cockerels, bred and owned by Eugene C. Smith, 317 Galena Blvd., Aurora, Ill. The illustration shows the remarkable quality of the birds. It further illustrates that when a breeder produces good specimens it is absolutely unnecessary to retouch them. The cockerels though not fully matured show the high quality and type which Mr. Smith has bred into his flock. Note the fine head points, and the fine back and tail carriage. The birds are absolutely white, free from creaminess and there is no doubt that they will be heard from at the coming winter shows. His fine catalogue is sent free on request.—L. A. Stahmer.

was a decided slump in the poultry and eggs market in England. Following the outbreak of the war a good many fowls and eggs were rushed into market and there was at the same time a considerable falling off in demand, with the result that the bottom dropped out of prices for the time being. By the middle of September some improvement in market conditions was reported and it was expected that eggs and poultry would reach maximum prices in November. Practically all Continental sources of eggs and poultry have been shut off from England by the war and are likely to remain cut off until the close of 1915 even should the war end soon, which seems unlikely now. Obviously the time is coming when the English grown poultry and eggs will not be able to fill the demand and there will be a call for American eggs and chickens.

* * *

Oats are in demand by the British Government for war purposes and the price has been prohibitive for the use of oats and ground oats by English poultrymen and fatteners. Possibly the fatteners will have to turn to Indian corn and wheat by-products for finishing poultry and may perhaps develop in Old England a taste for the soft-meated yellow-fleshed chickens so highly favored in American markets.

* * *

England has been accustomed to receiving huge quantities of turkeys during the holiday season from France, Russia, Italy, Austria and Servia. The war has cut off this source of supply entirely. Home grown turkeys are not likely to be sufficiently abundant to fill the Christmas demand in England and she will undoubtedly seek a supply from this side of the Atlantic.

* * *

An excellent harvest is reported for England and the granaries at the docks were reported full of all kinds of cereals early in September, the London storage warehouses well supplied with meats and other foods to last fully six months, but the supply of cold storage poultry practically exhausted. No importations of poultry or eggs expected from Continental sources before the middle or end of 1915 and possibly not then. On Sept. 9th feeding grains were reported easier in price and some feeds practically at normal prices.

* * *

With such conditions in England when that country is at war,—with British poultry keepers planning to grow more poultry during the coming season and not to worry about the high prices of grain,—with every reason to believe that the ocean traffic channels will be kept open,—American poultry keepers should feel encouraged and get busy striving to increase the American crop of poultry. Grain is high, but why worry? We don't look for it to go much higher and the probability is that with our big harvests the price will drop to more nearly normal soon. Meanwhile those who grow winter chickens or soft-roasters or capons should realize good prices next spring. It will be a good plan to get out plenty of early chickens and to grow good sized flocks during 1915. We look for good prices for poultry and eggs, but not for very high prices. Good prices are better than very high prices for the latter usually cut down the demand. Good demand at good prices will make good business and good times are coming.

* * *

Recently we saw a complaint that White Leghorns are too wild, too easily frightened and too high fliers to commend them to the poultry keeper who likes tame fowl and has only limited range. The fault is not with the Leghorns but with the poultry keeper. This fall we bought 150 S. C. White Leghorn pullets representing several heavy laying strains. The poultryman who reared them on farm range had sold his farm and was selling out his stock. We haven't kept any Leghorns for at least 30 years. Of course they are high fliers and we expected that these pullets after being caught, packed in crates and carted over country roads, would be pretty wild and scary. We were surprised to find that these White Leghorn pullets prove even more tame and easy to handle than our own home grown Rocks and Reds and they are quite tame. Whenever we go into the Leghorn house the pullets climb all over us, get into our lap or on our shoulders and become decidedly intimate. We can pick them up from floor or roost without any trouble and they are not in the least wild, timid or frightened unless some one makes sudden and unexpected movements that startle the birds. They are nervous and



White Plymouth Rock pullet grown by Dr. Woods. She was bought day-old April 4; laid her first egg September 3, when just 5 months old. Her portrait was taken when she was 5½ months old and weighed just 4¾ pounds. She laid about thirty eggs and then became broody. See "Notes and Comment."

active but we have never had birds any more tame. Singularly enough the birds that are laying are the ones in the flock that appear to seek attention and petting. We have the entire flock in one house with four males.

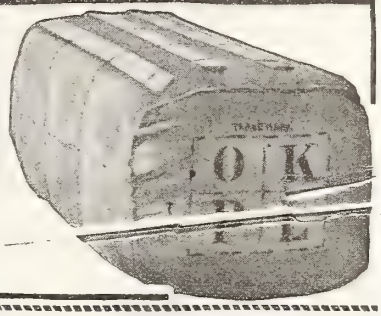
* * *

When we bought the Leghorns we also bought quite a good sized bunch of yearling fowls including White Orpingtons, White Wyandottes, White Rocks, Barred Rocks and Buff Wyandottes so that, for the time being, we had, with the stock of our own growing, quite a little poultry show all our own. When we bought we did not expect to winter all of these birds, but at present they are laying so well and eggs are selling at a fair price that we may decide to keep them. Our original intention was to only winter about 200 pullets which could be comfortably cared for without employing help.

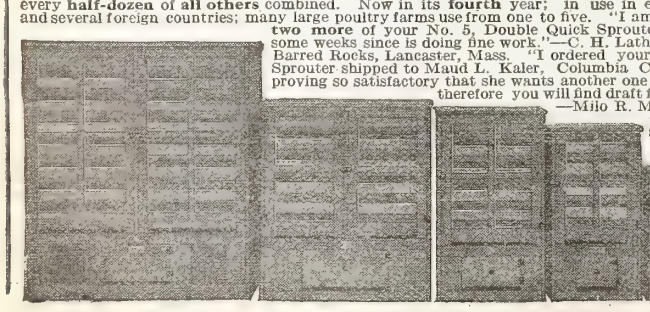
* * *

Last month we mentioned White Plymouth Rock and Rhode Island Red pullets that began laying Sept. 3d when just five months old. We really prefer to have pullets a little slower in reaching laying maturity, but these birds came to it naturally on free range with

"O. K." Poultry Litter
TRADE MARK
WRITE TO-DAY FOR FREE SAMPLE
and New Chicken Booklet
if you are not already familiar with O. K. Poultry Litter, the Best, most Economical, Sanitary and Moisture Proof Litter for all Sorts of Poultry Houses and Pens. With "O. K." your house needs cleaning out only once in three or four months, and yet is
Always Clean, Dry, Sweet
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DOUBLE QUICK GRAIN SPROUTER
THE PERPETUAL POULTRY SILO—Grows Green Feed While You Wait
The First, the Original, the Pioneer of All Grain Sprouters
The Double Quick Originates and introduces, others imitate and follow. Fully 100 Double Quicks to every half-dozen of all others combined. Now in its fourth year; in use in every state and territory and several foreign countries; many large poultry farms use from one to five. "I am enclosing my check for two more of your No. 5, Double Quick Sprouters. The one I bought some weeks since is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass. "I ordered your No. 5 Double Quick Sprouter shipped to Maud L. Kaler, Columbia City, Ind. This one is proving so satisfactory that she wants another one of the same size and therefore you will find draft for this second sprouter."
—Milo R. Meredith,



Built in 6 sizes from 1-4 bu. to 8 bu., for a few hens to 1,000.
CLOSE-TO-NATURE CO.,
38 Front St.
Colfax, Ia.

no special feeding. An illustration from a homemade photo of one of the White Rock pullets is shown herewith. This pullet was just five months old when she laid her first egg. She was 5½ months old when her picture was taken and weighed just 4¾ pounds. She laid about thirty eggs and then became broody.

* * *

In the same flock with these early maturing pullets were several cockerels showing the same rapid development. "Bill," whose portrait is reproduced herewith, weighed just 7 pounds when 5½ months old at the time his picture was taken and he has several brothers that are close to him in development. Our Reds developed and matured as rapidly as the Rocks but did not make quite as heavy weights. We have quite a bunch of later hatched birds that have developed more slowly and will not lay before the first week in November, but we expect these to prove the best winter layers.

* * *

Our little flock of White Faverolles are making good growth but are developing more slowly than either the Rocks



White Faverolle chicken grown by Dr. Woods. Weight 4 pounds, age 4 months. See "Notes and Comment."

or Reds. They do not appear to have the constitutional vigor shown in our yellow skinned birds. The hen shown in the illustration is the mother of our Faverolle flock and she is remarkably white and snowy in coloring. One of her chickens four months old and weighing 4 pounds is shown also. Our Faverolle chicks when hatched were the whitest chicks we ever saw except some White Guineas we had a few years ago. They were snow white with not a bit of creaminess or smutty color in them. The chicks were hardy and grew well, but like all other white fleshed birds we have handled, they seemed a bit more tender and more easily affected by sudden weather changes than our yellow fleshed stock. We would prefer the Faverolle with clean shanks and it should be very easy to breed them that way and would only require a little selection. As to the number of toes we don't care whether they have four or five on each foot, for they are bound to come that way and it will probably take a lot of close breeding to either fix or eliminate the fifth toe. In our opinion the most important thing to do with this variety is to breed it for maximum constitutional vigor and hardiness combined with good growth and good laying qualities. Apparently there is not much difficulty in getting good type and color and if the White Faverolle is to be pushed as a utility fowl the scanty leg feathering or clean legs and the question of number of toes have little importance.

* * *

We have not yet had sufficient experience with White Faverolles to say anything about their value as a meat or egg producing breed. The hen shown in illustration was a fair layer, a good sitter and a good mother. The chickens are large framed and rather slow maturing, which should commend them as a meat variety where too early maturity is a drawback and size and softmeatedness are the prime objects. However, to get best results with market chickens one wants birds that will stand severe cold weather and the sudden changes of fall and spring without any set-back. In our experience the Brahma-Plymouth Rock and Cornish Brahma crosses and the straight White Rocks have yielded the best results in producing quick grown roasting chickens

Agents Wanted

2000 Head Pure Bred Fowls



$200.00 IN Cash Prizes

WILL BE DIVIDED AMONG OUR WORKERS

You can earn a single bird, pair or pen of fowls, almost any variety within a few hours' time, securing subscriptions to **POULTRY POST.** Cash is given entirely in addition and divided in **SIX SPECIAL PRIZES.** Here's an opportunity you cannot afford to miss. All interested in poultry will subscribe. **POULTRY POST** is recognized as the best 25 cent poultry journal. Many Agents earn several pens of fowls and a share in the cash prizes working at odd times. **You can do equally as well.** Write for our liberal proposition. **POULTRY POST,** D30 **GOSHEN, IND.**

Feed Them Pratts



Here is real egg-making joy for laying hens. Makes them relish their morning's feed and sends them happy to their nests. No sick, dopey birds standing around, but the entire flock full of life, laying regularly, and showing money-making form. Feed them

Pratts,

Poultry Regulator

Gets the laying hens into the egg-a-day class, and starts up the lazy ones. Makes no difference about breeds—the better the birds the more Pratts will do for them. Develops pullets into early layers. Brings birds quickly and safely through the moult and puts them back again on the egg-laying job.

Go to your dealer and tell him you want Pratts Poultry Regulator. Comes in **25c** packages up to big, generous 25-lb. pails at **$2.50.** Pratts does all we say and more—must do it, or your money back and no questions asked.

That has been our guaranty for 42 years. A Regulator with such a record is worth asking for and insisting that you get it and none other.

Pratts Roup Remedy

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The sure preventive—the complete cure for Roup, Colds, Canker, Catarrh or Diphtheria. In 25c and 50c boxes.

Pratts Poultry Remedies are sold by 40,000 dealers

PRATT FOOD COMPANY

PHILADELPHIA CHICAGO TORONTO

that will stand forcing and severe weather and yield a good profit.

* * *

This fall in New England has been a rather trying one for poultry. The summer was colder than normal with only a few hot days sandwiched in between cold spells. Frosts came early and in September we had some record breaking cold weather for the season, this followed by an equally record breaking hot spell. Early October ran quite warm with a few very sharp frosty nights. Such weather and sudden changes are hard on newly housed young stock and it requires eternal vigilance on the part of the poultry keeper to avoid trouble. The hot weather the second week in October cut down our egg yield from early pullets which had been increasing daily from the time they were housed. In our experience hot weather hinders egg production much more than continuous cold weather.

* * *

We note that Editor J. H. Robinson announces that owing to business conditions the new *Poultry Weekly* will not appear on November 7th as advertised and a change of date is made. The new weekly poultry paper is now announced to make its first appearance in Boston on January 2, 1915. Expect that Editor Robinson feels just the same about war as Gen. Sherman did. Editor D. M. Green has announced that he is not to be associated in any way with Mr. Robinson or the new *Poultry Weekly*, so there's another "alliance" busted. Well, though it may be a bit early, we will wish the new weekly a Happy New Year right now before somebody does it first; may it grow strong and healthy and keep the peace.

* * *

J. H. Petherbridge in the Poultryman's Practical Dispensatory chapter this month calls attention to the abuse of poultry by the use of kerosene as a poultry remedy. We are glad to have this matter brought up again. Kerosene, or coal oil, has been variously and carelessly prescribed for a multitude of poultry ills. Kerosene has its uses for illuminating purposes and as an insecticide, but it should not be used as a remedy for internal use or local application. It is too powerful an irritant to be carelessly used. Many fowls and a good many chicks have been permanently injured or killed through the careless use of kerosene. Many times we have been called to see a flock suffering from "mysterious head disease," only to find the birds with heads covered with yellow crusts following the use of kerosene given in drinking water or applied to the head as a cure for colds and roup. Many fowls have been blistered on bodies, breast and under wings by kerosene applied locally to get rid of lice. Don't torture your birds by continuing to use kerosene as a remedy. It only causes trouble and there are plenty of good remedies that will yield satisfactory results and prevent suffering on the part of fowls that are the victims of an owner addicted to amateur doctoring.



"Bill," one of Dr. Woods' White Plymouth Rock cockerels, age 5½ months, weight 7 pounds. This chicken is only one of several early-maturing cockerels, and has been a pet of the Doctor's children this summer and is so tame that he can be picked up in the open field. See "Notes and Comment."

* * *

Nearly every practitioner recalls one or more cases of ugly and severe blistering, painful, dangerous and slow to heal, that he was called upon to treat because some ardent home-treatment advocate had applied a red flannel cloth saturated with kerosene to the skin of the victim to relieve pain. Many a

Moulting Weakens Hens—Tone Them Up—Start Them Laying

Moulting leaves hens in a weak, run-down condition. Unless you keep your hens toned up and healthy, they will moult well into the winter months and your egg crop will be the smallest just when prices are highest—just when you want the maximum number of eggs. So sure am I that

Dr. Hess Poultry Pan-a-ce-a

will shorten the moulting period, make your hens lay, keep them toned up and fit, that I have authorized my dealer in your town to supply you with enough for your flock; and if my Pan-a-ce-a doesn't do as I claim, return the empty packages and get your money back. Buy on that guarantee—you can't possibly lose.

1½ lbs. 25c; 5 lbs. 60c; 25-lb. pail $2.50 (except in Canada and the far West). My Pan-a-ce-a is never peddled—it is sold only by reputable dealers whom you know. Write for my free poultry book.

DR. HESS & CLARK
Ashland, Ohio



"TAYLOR THERMOMETERS TELL THE TRUTH" "Tycos" IS THEIR "STERLING" MARK

An incubator is no better than its thermometer. To know the *exact* temperature is of vital importance. Be sure that the incubator you buy is equipped with a

"Tycos"



Incubator Thermometer

—guaranteed to be 100 per cent. accurate. Don't accept any machine that is not thus equipped, for big hatches of healthy, sturdy chicks depend upon correct temperature. When incubator manufacturers try to save a few cents on thermometers, beware of the other materials they use. Look for a *Tycos* when you buy — you'll find it in the best machines. *Tycos* thermometers have magnifying lens front (making reading easy) and mercury tubes only. Highest quality throughout. Let your dealer know you *must* have a *Tycos*. If he cannot supply you, write to us.

"*Tycos*" Incubator Thermometer, $ .75
"*Tycos*" Certified Incubator Thermometer, 1.00
"*Tycos*" Brooder Thermometer, $ .75
"*Tycos*" Incubator Hygrometer, 1.50

Our free booklet, "Thermometer Facts Worth Knowing," contains information that will help increase your poultry profits. A postal request will do.

Taylor Instrument Companies,
100 AMES ST., ROCHESTER, N. Y.
There is a "Tycos" Thermometer for every purpose. Ask for the "Thermometer Book."

fine bird has been killed by severe blistering resulting from roosting on a perch wet with kerosene. How kerosene ever won such wide repute as a cure-all no one is likely to explain, but probably because it was nasty smelling, easily used, irritating and cheap, helped to endear it to folk who still believe that any remedy to be good must be nasty and disagreeable.

* * *

Whenever it is necessary to use kerosene to get rid of head lice, as is sometimes the case with children sent to public schools, it should be promptly washed out with warm water and soap before it has a chance to irritate the skin. There are better remedies, though less generally available. The only use we have for kerosene as an insecticide on a poultry plant is when mixed with all the naphthalene flakes it will take



White Faverolle hen, the mother of Dr. Woods' little experimental flock of White Faverolles. See "Notes and Comment."

up and applied freely to roosts and drop boards in the early morning and to cracks and crevices in the woodwork to get rid of mites. Apply early enough to have roosts dry at roosting time.

Prof. Kaup Goes to North Carolina.

The many friends of Prof. B. F. Kaup will be glad to learn he has accepted a position with the North Carolina Agricultural Experiment Station as pathologist in charge poultry investigation, with rank of a full professor in poultry science. Much of his work will be devoted along pathological studies and the production of better strains of layers according to selection by Mendel's law.

Prof. Kaup was formerly commissioner of public health, of Spartanburg, S. C., a city that advertises itself as the healthiest city in the world. We welcome the professor back again in the poultry investigation field and wish him every success.

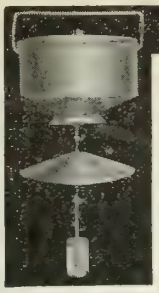
You'll not sleep tonight if you fail to read "Give Us Your Ideas." You will find it on the editorial page.

Ideal Aluminum



LEG BANDS for POULTRY and PIGEONS are the acknowledged leaders. Firmest and most secure lock. GUARANTEED to stay on. Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c: 175-$1.00; 200-$1.10; 500-$2.50. Price list and sample 2c.

Frank Myers, Mfgr., Box 40, Freeport, Ill.



THE SIMPLICITY KANT-KLOG POULTRY FEEDER

6-quart size, especially adapted for low coops $1.50

This puts an end to all your poultry troubles—no more staying at home on Sundays—go when you like, stay as long as you like. You can rest assured that your chickens will be fed correctly and regularly. It feeds anything from whole corn to millet seed, saves feed, time and labor; it is sparrow and rat proof, never fails to work; it can't clog. **Your Money Back If Not Satisfactory.** Write for catalog today.

Dealers Wanted

Simplex Supply House, Pontiax Bldg., Chicago, Ills.

Canadian Factory: Birchcliffe Poultry Supply House, Birch Cliff, Ontario, Canada

MYERS' BARRED PLYMOUTH ROCKS

Lady Beautiful Strain—Female Line Exclusively

Consistent winners at MADISON SQUARE GARDEN, NEW YORK, PHILADELPHIA, HAGERSTOWN and other leading shows.

WINNINGS, 1913

AT MADISON SQ. GARDEN, N. Y.

1st and 5th Hen
2d and 3d Pullet
3d Pen
Champion female in Barred Rock class.

AT PHILADEPHIA

1st, 3d, 4th, 5th and 6th Hen
1st, 3d, 5th and 6th Pullet
1st, 3d, 4th and 5th pullet-bred male
1st pen to produce exhibition pullets
Cup for best display
Champion hen of show, all breeds considered

WINNINGS, 1912

AT MADISON SQ. GARDEN, N. Y.

1st Hen
2d Pullet
Special for best shaped female in Barred Rock class

AT PHILADELPHIA

1st, 2d and 8th Hen
1st, 3d and 4th Pullet-bred male
1st, 3d, 5th, 6th and 8th Pullet
Champion hen of show, all breeds considered

Have a grand lot of breeding stock for sale. If you want to improve your stock write me for a cockerel, or if you want to breed winners let me mate you a trio or pen. Please mention A. P. J.

C. N. MYERS **Hanover, Pennsylvania**

Spend One Cent

to send me a post card. Just give your name and address and tell how many hens you have, and

I will tell you, Free, How to get an Egg a Day

this winter from each hen. Invest the cent. It will pay you a rich dividend. I'll tell you how to feed from 10 to 30 hens for two or three cents a day and get the profit-making winter egg. I don't care what strain you have, you can get in line for more egg profits. I can put you on the road—I can help you

—get eggs all winter
—start lazy hens laying
—get early eggs for setting
—get as many eggs this winter as you got in the summer

Think it can't be done? I'm doing it—have done it for years; what's more, thousands of poultrymen in the U. S. and Canada have learned from me how to do the same thing. Why not you?

My five years' winter *average* is 40 to 50 eggs—as high as 58—perseventy hens. Let me tell you how to do it—send a postal today—or use the coupon.

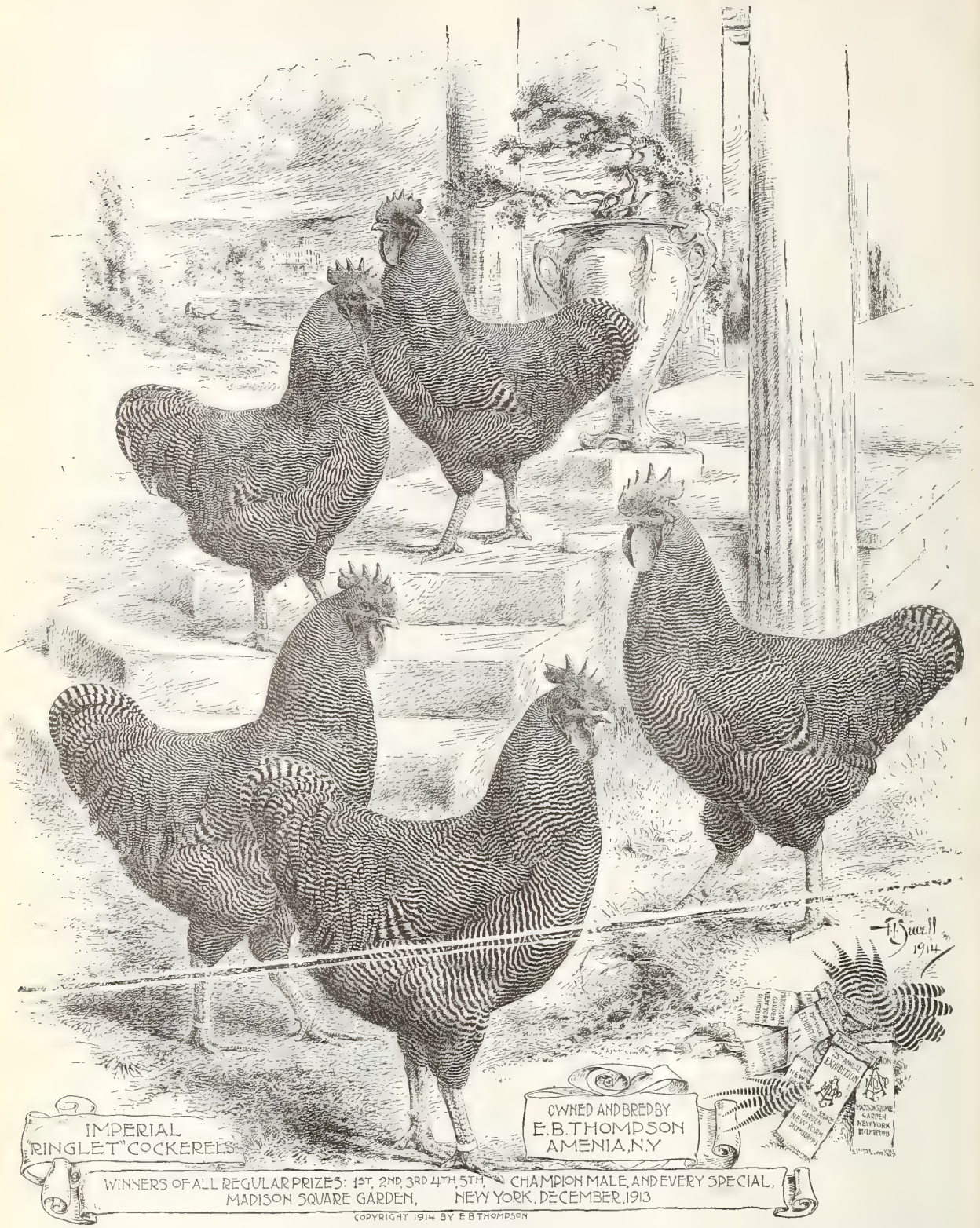
HUMPHREY, White Street, Joliet, Ill.

Please explain to me, without any obligation on my part, the Humphrey way that makes hens pay because they lay. I have hens.

Name_____

Town_____ State_____

HUMPHREY, White St., Joliet, Ill.



IMPERIAL "RINGLET" BARRED ROCK COCKERELS.

This picture drawn from life shows the five wonderful Barred Rock cockerels that won all the regular and special prizes on cockerels at the last Madison Square Garden, New York, show, winter 1913-14. Owned and bred by E. B. Thompson, Amenia, N. Y. This winning of 1st, 2nd, 3rd, 4th and 5th prizes on cockerels at New York is an achievement never before accomplished by any Barred Rock breeder.

Home and the Table
Good Things for Everybody

Helen F. Woods, Editor

How often as we tread the sands of life
To pause is but inevitable. Yet thus to wait
Is not to stand with folded hands
While all the world sails by
And little children cry for bread,
Or men and women sigh
Just for the touch of human hand
Or one simple spoken word—
Perhaps a heart is breaking
So close unto thine own
The heart beats may be heard.
Where, then, is thy humanity? The moan
Of ship-wrecked souls that beat upon the rocks
Of hardened hearts and unoffered hands
Must strew the sands of life with human wreckage
Unless we can with skillful hands
Stretch forth the life line
To save some suffering humankind.
The many sneer, the cynic mocks;
But he who loves his fellowman,
With warmth of heart and ready hand,
Relieves and succors where he can.

NOTWITHSTANDING the progress we have made toward becoming civilized, there still appear to be a few people who hang on to that relic of barbarism of "hitting a man when he is down."

Why, for instance, should a man who has committed a diabolical crime or one who has by his acts proved himself sick of soul, be taken by society at large and shut up in dark and filth, and unhygienic surroundings generally? Actually stunted of oxygen to breathe, kept from the sunshine he most needs, literally chained in an atmosphere guaranteed to stunt if not actually kill every good impulse in him. And at heart he has good impulses, just the same as the best of us. That his environment and conditions under which he is forced to exist, may have so hemmed him in on all sides as to have weakened his power of resistance, we are practically certain. There are men everywhere who have broken laws and committed crimes of one kind or another, and who have suffered because of such acts. But no sane person commits crime or breaks laws just for the fun of so doing. There is or has been a condition which makes of the man a criminal, arising from his upbringing or present environment. Can we hope to cure him by abuse, as has been tried without success for centuries past?

Handed down from the dark ages comes the idea that the first step in handling a case of wrong doing is that of convincing the wrong doer of his utter worthlessness—he is a man not to be trusted, an individual to be despised, a human with whom all other humans have lost faith. He must be cowed, and kept under the most depressing conditions until his last vestige of self respect has died away, his self confidence utterly gone. Have we ever helped anyone by this treatment? Have we helped ourselves?

A certain supervision of wrong-doing, law-breaking classes is undoubtedly a necessity. So, too, is a supervision of people generally. Every business office, work shop, factory, railway gang must have its supervisor, and the scarcity of help lies not in the workmen but in the men who are capable of seeing that the work is done. The same fact is true of the supervision of wrongdoers. They are a class morally sick, having either confessed, or been convicted of their inability to keep from breaking certain laws. What shall be said of the keepers in charge of such as these? Have they been in any way fitted for work of this character? Are they men free from prejudice and petty spites? Are they men in whose association there is a chance to uplift the sick souls in their keeping? Or are they holding down their jobs through political influence with no natural fitness for work of this character?

Everybody knows or should know that we have never helped any one by unkindness and contempt. We cannot constantly and persistently dub another as dishonest and unreliable and expect him to deal honestly with us. We cannot hope to cure a man of dishonest dealings unless we place a little confidence in him and give him an opportunity to make good. We must believe in him, trust him, and otherwise regard him as a human being capable of the same desires and emotions, the same hopes and ambitions for betterment as the rest of us. The wrong doer has never been given a chance to redeem himself. If he confesses, the world forever after shuns his society. Others, perhaps equally as guilty, take pride in emblazoning his name before the public as that of a criminal, eager to "hit him when he is down." Human beings physically ill are given care and helped to recovery. The moral invalid seldom receives the same kindly treatment. He has done wrong, or shown a disposition to do wrong, so we drive him deeper into the mire.

We cannot treat human nature as bad and expect it to turn out good. We cannot improve conditions by inflicting revengeful punishment. What humans need most is not punishment, but training from infancy on. Give every individual a chance by making every one a trained worker, and every one trained to work.

Raisin Bread.

By S. S.

Sift four teaspoonfuls of baking powder with four cupfuls of flour, a scant

"SENSATION"

and RED PRINCE Strains of Rose and Single Comb Reds

Winners of 186 prizes at New York, Boston and Providence, since December, 1909; including 31 firsts, $50 cup for Display, Boston, 1912; Display New York, 1912-13, and State Cup for Display for six successive years at Providence, R. I.

SHOW BIRDS fit to win anywhere. Book orders at once and get first choice. BARGAINS in breeding stock after August 1st. EGGS at all seasons. Stamp for Mating and Price List.

RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 100, Tiverton 4 Corners, R. I.

Whatglen S. C. Black Minorcas

MAKE A SWEEPING RECORD AT NEW YORK STATE FAIR, 1914

In a Monster Beauty Class of 125 Birds. The Best Known Lines in the Country Competing.

We Won Cocks 1-2-3; Hens 1-3-4; Cockerels 1-2-3; Pullets 1-2; Old Pen 2; Young Pen 2-3; Best Display, etc.

No record has been ever made that surpasses this in such competition. The answer is that our Black Minorcas are better than ever before. For sale now—300 choice hens at special prices. We also offer selected cocks and a fine lot of youngsters that can win for you. New catalogue October 1st, write for it.

Frank McGrann, Owner Hiram Demmy, Supt. Lancaster, Pa.

half cupful sugar and a teaspoonful of salt. Beat an egg lightly, add two cupfuls sweet milk and pour into the dry mixture. Add also one cupful cleaned, seeded and floured raisins and mix thoroughly. Mold into loaves and allow to rise for twenty or thirty minutes. Bake for one hour, covering the loaf with oiled paper.

Mother's Scones.

Sift together two cupfuls of flour three teaspoonfuls of baking powder, one tablespoonful sugar and one scant teaspoonful salt. Mix into this one tablespoonful butter and one-half cupful cream and two well beaten eggs. Mix and cut into triangles. Bake a nice brown in a hot oven and serve at once.

Sally Lunn.

Beat until creamy one-third cupful of butter and two-thirds cupful sugar. Add two well beaten eggs, two cupfuls milk and sufficient sifted flour to make a light batter—about three cupfuls, together with three scant teaspoonfuls of baking powder. Pour into a shallow pan, sprinkle lightly with sugar, bake in a medium hot oven. Cut into squares and serve hot.

Delicious Pancakes.

By S. S.

Strain through a sieve one cupful of cooked apricots, prunes or peaches and add one well beaten egg, one cupful sifted flour, one teaspoonful baking powder, one cupful of juice from the cooked fruit and a little sugar according to the fruit used. Cook the pancakes in a smoking hot buttered pan, spread them with butter and sugar, sprinkling sugar and grated lemon rind over the top and serve at once.

Cushion Cake.

By H. B.

Cream one cup of sugar with one-half cup of butter, and two well beaten eggs. Add one-half cup of sweet milk in which has been dissolved two-thirds of a teaspoonful soda. Sift in two cups of flour and one heaping teaspoonful cream of tartar. Divide the batter. To one-half the batter, add two tablespoonfuls molasses, one-fourth teaspoonful each of ground clove, nutmeg and cinnamon. Also one cup of floured raisins. Put the dark mixture in flat baking tin and bake twenty minutes. Remove from the oven carefully and spread the light part of cake mixture on top and bake twenty minutes longer. Use a plain white frosting.

Old Lady's Cake.

By H. B.

1 cup butter
2 cups sugar
1 cup molasses
2 cups white flour
3 cups graham flour
2 cups sweet milk
2 cups raisins
2 cups currants
½ cup chopped citron
1 teaspoonful soda
½ teaspoonful each ground clove, nutmeg, cinnamon, mace
A little salt

Mix in the usual order and bake in a slow oven. This cake will improve with age.

Excellent Cake.

By H. B.

Melt two tablespoonfuls butter and one square chocolate together in one-half pint cup, add two tablespoonfuls sweet milk, two eggs and fill up the cup with milk. Sift into mixing bowl, one cup of flour, one cup of sugar and one and one-half teaspoonfuls baking powder. Add the first mixture, beat altogether and bake in two sheets and put together with butter.

Butter Frosting.

Cream a tablespoonful of butter with one cup confectioner's sugar and add sufficient sweet milk to spread. Flavor with vanilla.

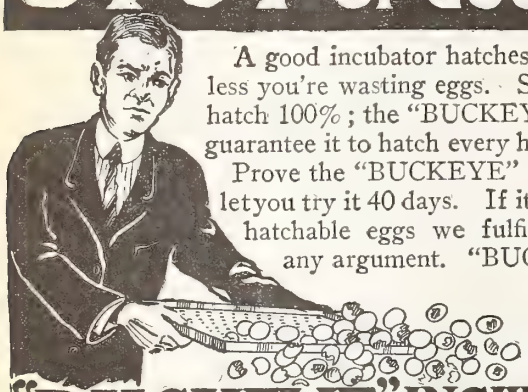
The Leg Band for Your Chickens
50 for 25c
Any Size
No's. 1 to 50



We want you to get acquainted with our useful poultry appliances and for this reason we are offering 50 self-locking rust-proof leg bands—embossed numbers, 1 to 50, at the special price of 25 cents. Postpaid. State variety you breed when ordering.

SIMPLEX SUPPLY HOUSE Pontiax Bldg. CHICAGO
SEND FOR COMPLETE CATALOGUE—WE SAVE YOU MONEY

STOP That Awful Waste of Good Eggs!



A good incubator hatches 100%. If you're getting less you're wasting eggs. Some other incubators *may* hatch 100%; the "BUCKEYE" *must*. We absolutely guarantee it to hatch every hatchable egg.

Prove the "BUCKEYE" yourself at our risk. We letyou try it 40 days. If it doesn't hatch 100% of all hatchable eggs we fulfill our guarantee without any argument. "BUCKEYES" are now priced

As Low As $7.50

east of Rockies and north of Texas. A little higher in the west.

"BUCKEYE" INCUBATOR 100%
Guaranteed to Hatch Every Hatchable Egg

Try it right at home. If it doesn't hatch every hatchable egg send it back at our expense. You can't lose on this offer. We take all the risk.

Nearly half a million "BUCKEYES" are in successful operation. Over 1100 dealers. This shows where the "BUCKEYE" stands.

When you get the ordinary incubator you take a chance. Even the makers don't promise you more than 60% or 70% hatches. We *guarantee 100%*, not once or twice but all the time and every time. Stop wasting eggs with undependable incubators or hens that leave the nest.

Makes no difference whether you're a breeder or only a beginner, we want you to try the "BUCKEYE." Any of the six sizes, 60 to 600 egg capacity. See how easy it is to get a strong healthy chick from every hatchable egg. Absolutely guaranteed.

"Making Money the Buckeye Way"—Valuable Poultry Book Free.

Tells how to select eggs, how to handle incubators and how to raise chicks after they're hatched. Tells the wonderful success others have had with with the "BUCKEYE" and explains why we are able to guarantee one hundred per cent. hatches for professional and amateur alike. **We send it FREE** together with our complete catalog of incubators and brooders and name of nearest dealer so you can see the "BUCKEYE." Write

THE BUCKEYE INCUBATOR CO., 501 Euclid Avenue Springfield, Ohio



Made in six sizes
60 to 600-egg capacity



Don't Be Without It

TIMELY POULTRY TOPICS.

BY PLUMMER M'CULLOUGH.

THE small breeder who has a few extra good birds more than he wants to keep and still does not want to send them to the butcher will do well to place a small classified ad in our classified advertising. If you have birds worth it, you will find that it will pay you well. The investment is small and the results will really surprise you. No one told me to say this, as I am saying it on my own hook because I know it is true. There are many people who would buy your birds if they knew it, but you must let them know it, and how are you to do it unless you advertise? However, I want you to be sure that you have stock worth advertising. Don't advertise them simply because you bought them for "thoroughbreds," as that covers a multitude of sins with some people. A bird may be a well bred one and still be a rank cull. Advertise nothing but good birds—birds that you are not ashamed to send out—birds that will make a name for you. If you send out nothing but the real thing, you will find it pays, but if you have nothing but some culls to dispose of, then I would advise you to carry no advertising.

We see that the Poultry Item is about to discontinue the publishing of free reading notices and free "write ups." We are very glad to see this. We believe that this is what every journal should do. We have no objections to any journal writing a story about what any of the large, successful breeders are doing if the story is real and contains something that may be helpful to the readers, but we never did have any use for these everlasting free readers. If the pages of a journal are filled up with free readers, as are some of the journals today, it is no wonder that the subscribers get sick of so much fake write ups. The subscribers are paying for real reading matter and not for space to give some breeder or his stock a big send off when the editor really never saw the breeder in question or his stock either. I tell you the subscribers want more good reading matter—more writing that will help them in their every day poultry work and less of the free readers. They are the driest piece of reading any journal carries, and I don't believe that they do the breeder any good whatever. Every one who is well read on poultry matters know what they stand for. They know they are little better than fake write ups to please the advertiser, and few of them are read. I would not give you a rap for the average free reading notices and I shall be glad to see every journal cut them out for once and all.

Many writers are telling their readers to sell off the old hens now and make more room for the pullets. This is good advice to some and not good to others. In fact, it would be good advice to tell some poultry keepers to sell all the poultry they have and never start in again. But as to the old hens, I want to say that I think it is a mistake to sell all the hens, and some of them your very best birds, just because they are hens. If you only know it, the old hens will make your best breeders for next season. Keep some of your very best hens for your own breeding and don't make the mistake of selling

SINGLE COMB BL. MINORCAS

LINE BRED TRAPNESTED

BREEDING FOR EGGS MY HOBBY

Known as one of the world's greatest strains. Their wonderful size, type and color, together with their great vitality and inherited egg-laying qualities, their winnings from coast to coast, place them as the one best strain. If I don't please you it can't be done.

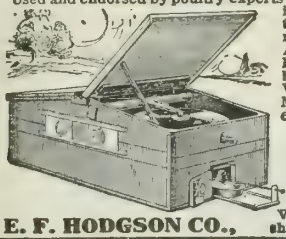
THE WORLD'S FINEST MINORCA RANCH

J. V. McConnell, Prop. A. Carson, Supt. Box 279A, GARDEN GROVE, CAL., U. S. A.

Hodgson Portable Poultry Houses

WIGWARM Brooder

Hot-water and hot-air heating combined gives perfect ventilation—no danger of overheating—maintains even temperature regardless of cold outside. Used and endorsed by poultry experts and by experiment stations and such men as Dr. A. A. Brigham, Dr. N. W. Sanborn, Dr. P. T. Woods and Mr. A. F. Hunter. Size, 8x5 feet.



$15.00

No. 0 Colony Laying House—for 12 Hens

Fitted complete with nests, fountain and feed trough. Sanitary—easily cleaned. One man can easily care for several hundred birds. Nicely painted—set up in 15 minutes. A comfortable year-round house. In stormy weather the run may be covered, giving a protected scratching room. Size, 10x4 ft., 5 feet high.



$20.00

Send for catalogue.

E. F. HODGSON CO., Visit our showrooms {Room 882, 116 Washington St., Boston, Mass. / Craftsman Bldg., 6 East 39th St., New York} Address all correspondence to Boston

"Dandy" Bone Cutter

You needn't pay one penny for this bone cutter until you try it and it satisfies you. Feeding green bone is one of the first steps to gain a big egg yield. But the bone must be cut right. The Dandy Green Bone Cutter cuts *across* the grain of the bone, enabling the hen to digest the nutritive elements better and convert same into eggs, blood, feathers. Our terms on the Dandy Bone Cutter are

$5 AND UP

NO MONEY IN ADVANCE

30 DAYS FREE TRIAL

The Dandy costs less than most bone cutters and it works infinitely better. Also cuts meat, vegetables, roots, etc. To ensure big sales this year we have made special reduction in prices. Write quickly for free booklet. Prices are liable to rise next month, owing to big demand for raw material.



STRATTON MFG. CO., Box 17, Erie, Pa.



12 ounces of Germozone prevention

is worth a hundred pounds of any cure, especially in case of Chickens or Pigeons, where it is easy to treat the flock, but "some task" to doctor each individual.

That is the economical reason for giving Germozone twice a week in the drinking water. It keeps the bowels in order and wards off germ contagion through infected food or drink.

As a remedial agent, Germozone is always a good first choice in cases of Roup, Colds, Bowel complaint, Cholera, White diarrhoea, Canker, Distemper, Sore throat, mouth and eyes, Chicken pox, Eruptions, Burns, Swellings, Sprains, Sores, Cuts, Wounds, Loss of hair or feathers, etc.

For Chicks, Chickens, Pigeons, Birds, Dogs and all Pet or Domestic Stock, Germozone is a whole medicine chest. It does the work of a dozen antiseptics, remedies and liniments, at one-tenth the cost and with no need of expert diagnosis.

4 oz. bottle (trial) 25c.
12 oz. bottle (standard) 50c.
32 oz. bottle (farm size) $1.00.
Gallon bottle (128 ounces) $3.00.
Tablet form, mailable, 50c postpaid

Sold by most Druggists and Poultry Supply Dealers

One-dollar and three-dollar sizes delivered prepaid to any express office in the U. S. Sample and book free by mail on request.

GEO. H. LEE CO., Dept. 13, Omaha, Neb.

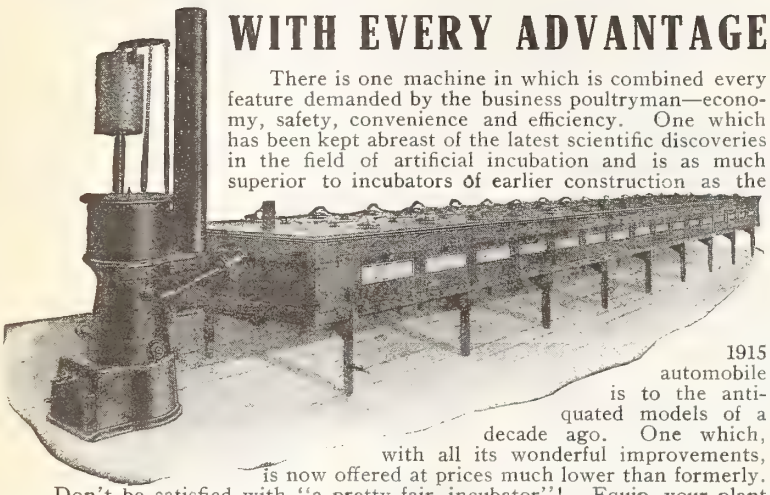
RHODE ISLAND REDS

BOTH COMBS

Here I am again with the finest bunch of R. I. Reds I ever owned, and that's going some, for in the last few years I have furnished winners for many of our largest shows. They have the size, shape and color that will please the most exacting. Prices cheap, considering quality. Shipped on approval. Mention A. P. J.

B. M. BILLINGS Box A **OBERLIN, OHIO**

THE ONE INCUBATOR
WITH EVERY ADVANTAGE



There is one machine in which is combined every feature demanded by the business poultryman—economy, safety, convenience and efficiency. One which has been kept abreast of the latest scientific discoveries in the field of artificial incubation and is as much superior to incubators of earlier construction as the 1915 automobile is to the antiquated models of a decade ago. One which, with all its wonderful improvements, is now offered at prices much lower than formerly.

Don't be satisfied with "a pretty fair incubator"! Equip your plant with modern hatching apparatus. Decrease your labor; increase your hatches; insure results and profits. The

NEWTOWN GIANT INCUBATOR
600 to 24,000 Egg Capacity

will positively do all this. Read the evidence below.

"I am pleased with the Newtown Giant Incubator. It is very easy to operate and the eggs-turner reduces the work to almost nothing. The chicks are good strong, lusty, livable fellows. I have hatched about 80% of all eggs set. I cannot speak too highly of the Newtown!" W. C. CHAMBERLAIN, Atco, N. Y.

If you are dissatisfied with your present equipment, if you are planning to increase your incubator capacity, if you are just starting and demand the most efficient machine on earth, investigate the merits of the Newtown Giant—*the modern incubator.*

Our Incubator Catalog contains much information which you should have. It is free! Write for copy now.

NEWTOWN GIANT INCUBATOR CORPORATION
21 Warsaw Street, Harrisonburg, Virginia

BROODING TIME WILL SOON BE HERE

Are you ready for it? Better take a little time right now to consider this most important matter so that you may avoid expensive mistakes next season.

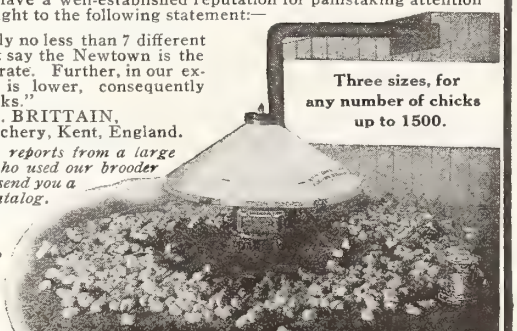
If you want to save time and money and *raise* your chicks, the

NEWTOWN GIANT COLONY BROODER
Coal-Burning, Self-Feeding, Self-Regulating

is the machine for you. No other brooder has given such general satisfaction or received such universal endorsement, because no other is so perfect in design and construction and gives such remarkable results.

The poultrymen of England have a well-established reputation for painstaking attention to their business. This adds weight to the following statement:—

"We have tried faithfully no less than 7 different styles of brooders and must say the Newtown is the easiest and cheapest to operate. Further, in our experience, the death rate is lower, consequently healthier and stronger chicks."
G. H. BRITTAIN,
Hartley Hatchery, Kent, England.



Three sizes, for any number of chicks up to 1500.

We have a booklet containing reports from a large number of successful poultrymen who used our brooder this season, and we will be glad to send you a copy, together with our Brooder Catalog. Just send us your address today. We'll do the rest!

Newtown Giant Incubator Corporation
21 Warsaw Street
Harrisonburg, Virginia

them just because some one has said so. Your old hens will be the ones that will produce the best and the strongest chicks for you. Another mistake many people make, especially beginners, is the selling of their best birds to some one just because they have been offered a good price for them. The man who is going to stay in business and build up the quality of his stock cannot afford to sell his best birds, even if he is offered a good price. He will need them for his own use and they should be worth as much to him as any one else and he should not sell them simply because some one shakes a few fives at him. I tell you, it is a mistake.

We have been cutting corn the past week and we have a small pen of birds, both fowls and chicks, back in the corn field. I don't think there is a better place for either old or growing stock than just back in the corn field. They seem to be happy all the time and it is surprising to see how much loose corn they pick up that would otherwise be wasted if they were not there. When I get to husking, they will be happier still, as there will be lots of loose grains for them to pick up. I like to see them around me when I am working out in the field and I am sure they enjoy it. The only trouble is that they are not very safe on account of the hawks. If it was not for this I would have nearly all my young stock back in the corn field. If you have a few chicks that are not doing as well as they ought to, just take them out to the corn field, put them in a roomy coop of some kind, and you will soon see a marked improvement.

If you cannot afford to have a turkey for your Thanksgiving dinner, you can get a chicken of the better sort and it should make you a dinner fit for a king. When we kill a White Rock we have something that is surely second to a turkey if not its equal. But to get real good chicken it is sometimes necessary to come to the country. I have seen chickens hanging in the meat markets in the cities that I would not care to eat. After all, there is no better place than down on the farm, if we only thought so. I would not want to exchange places with my city brothers, even if they do have many things much more convenient than we do. They don't have the pure air, the free life, that the farmer does, and this is a great deal.

The past fair season we have seen some splendid Buff Wyandottes exhibited and we are very glad to see this. The Buffs have improved wonderfully in both color and type the past few years and they are a beautiful variety. We are glad to see that the breeders of this variety are a live bunch and are doing all they can to boost their variety along. There should be more Buff Wyandottes in this country and we believe they will become very popular in the near future.



PARCEL POST BOXES
Ship Eggs, Dressed Fowls, Fruit, Butter, etc., by parcel post direct to your customers.

"H & D" BOXES
meet all Government requirements—**guarantee safe delivery** of products. Made in various shapes and sizes—strong, light and sanitary. Protect contents from heat, cold and moisture. Send today for free booklet, **"How to Pack It for Parcel Post."**

The HINDE & DAUCH PAPER Co.
Dept. J Sandusky, Ohio.

Questions and Answers

Conducted by
Prince T. Woods, M. D

Mites Look Big to Him.

Q. In your last issue I am again informed that mites are so small "they can hardly be seen by the unaided eye." Always the same story, and I suppose there are others like myself. For three years I looked for mites with a magnifying glass (in dust, etc., from under the perches, etc.), on a black hat and on white paper, and thought that my glass was not strong enough. This summer I felt something crawl on my hand, and there was Mrs. Mite big as a house, compared with my idea of a mite from reading. Anyone can see a common period at the end of a sentence in newspaper print and a full-grown mite is almost twice as large and looks like a mud turtle, only smaller. Easy to see and easy to get rid of. Will say that in my experience spraying is work done for fun and of little use and it is impossible to rid the average poultry house of mites by this method. Here is the way I do, and I have no mites or disease germs in my coops. Go to any drug store and get a supply of sulphur candles, also formaldehyde candles. Shut the birds out of doors. Close the coops tight and place just twice as many candles in the coops as the directions call for. Light them and leave the house or coop shut up for at least eight hours. Four hours will fail to get all the vermin. The sulphur candles kill the mites and other vermin and the formaldehyde will kill the eggs and germs of any kind. As a precaution, repeat in one week. For lice I use a spray of crude cresol* and water; the odor seems to drive the lice away and I very seldom find one on my birds. It is to be understood that any mites on the birds will escape, but if they take to the coop before the second fumigation they are dead ones. Fumigation must be done in the daytime and all the birds must be out of the coop during fumigation or they will be killed. Air out the coop well before the birds return to it.

Duluth, Minn. Dr. F. C. L.

A. *Cresol will not mix well with water unless saponified. We presume that the doctor means one of the many commercial disinfectants which make a milky solution with water. We use a straight crude cresol or "crude distillate" (costing about $1 for five gallons) to spray and paint on woodwork to get rid of mites and keep down lice. Same is used to paint ends of roosts and the drop boards are drenched with a solution of one pound of naphthalene flakes in a gallon of kerosene. This is applied with a brush and flows freely into all cracks and crevices. It is applied early in the morning so that the roosts will be dry at roosting time. Use auto-goggles over eyes when spraying "crude distillate," protect face and wear heavy gloves, as the cresol or distillate will "burn" the skin. Two thorough applications given one week apart will rid a poultry house of mites and generally will insure freedom from the pests for a year. The fumigation plan is good where it is practical, but with an open-front house it will be necessary to tightly close the open front during fumigation.

As to the mites, we thought Mr. Morman's article is excellent. Mites do *feel* mammoth when they crawl on your skin. The adults can be plainly seen when gorged with blood, their skins stretched like a tick's, and their color varying

SILVER WYANDOTTES
THE BEAUTY AND UTILITY BREED
THE BEST WINTER LAYERS
STOCK FOR SALE AT ALL TIMES
NO EGGS NOR BABY CHICKS
A. & E. TARBOX, BOX A, YORKVILLE, ILL.

Silver Campines

500 Improved Silver Campines for sale at prices that will be sure to please you.

Last winter our Campines were winners at Aurora, Ill. and St. Paul, Minn., winning 5-1sts, 3-2nds, 2-3rds, 2-4ths and 1-5th.

We have 1,000 of the best Silver Wyandottes that we have ever had to offer you. We can furnish you cocks, hens, cockerels and pullets fit to go in any show and at prices that are right for the quality of the birds. We can also furnish you with anything that you want from utility up to show stock. Remember that our birds are not only winners in the show room, but also in the egg laying contests. A. & E. Tarbox, Box A, Yorkville, Ill.

Crisp, Green, Tempting Hen Feed for 15 Cts. a Bu.
Make Hens Lay Most When Eggs Are Highest

Mar. 26, 1914.
"The Successful Grain Sprouter is all you claim for it. By feeding sprouted oats to my fowls I have been getting plenty of eggs all winter, while my neighbors having the same size flocks do not get *any* at all."
E. H. MENEFEE
Correctionville, Ia.

Mar. 4, 1914.
"I am well pleased with the Successful Grain Sprouter. It is certainly wonderful. Sprouts almost in one night."
E. H. STRATMAN
1374 E. 80th St.,
Cleveland, Ohio



HERE'S the way to solve the high cost of chicken feed problem! Here's the way to get the most eggs just at the time of year when you can get the most money for the eggs! Sprout grain. Get a "Successful" Sectional Grain Sprouter—the best grain sprouter made—the one that leads them all. It will make 3 bushels of tender, green, egg-making hen feed from 1 bushel of oats, wheat or rye. Sprouts grain in 24 hours. Then, gives you an inch of crisp, green, tempting sprouts every day after that. Such feed will simply *make* your hens lay when egg prices are highest. It will make early hatches possible. Make winter chicks grow fastest—reach marketable size sooner, when prices are highest. For proof, read the letters printed in this ad.

Our Absolute Money-Back Guarantee Protects You Fully

"Successful" Sectional Grain Sprouter

Built All of Steel—Lasts Practically Forever

Double steel walls. Metal trays. No wood to rot. Can't warp, shrink or swell. Prevents moulding of food so usual with wooden sprouters. Made with *large* glass doors. Made in sections—capacity from 50 to 600 hens. A wonderful money-saver and money maker for both little and big poultry raisers. You can start with just the size you need. Then your "Successful" Grain Sprouter can grow as your needs grow. Write at once for full details. For valuable booklet on proper care and feeding of chicks, ducks and turkeys 10c. Address

Des Moines Incubator Co., 561 3rd St., Des Moines, Iowa



BEAU BRUMMEL I
The greatest S. C. White Leghorn Sire in the Middle West. First prize pen cockerel, New York, 1911. Prize old pen Chicago, 1912. Prize old pen, Chicago, December, 1913. First old pen, Indianapolis, 1914. First old pen Illinois State Fair, 1914



PRINCESS FROST WHITE
Possessor of an unbeatable record. First prize pullet Indianapolis, 1914. Special prize for best female in her class. Special prize for best pullet in her class. Special prize for best shaped female in her class. Special prize for best colored female in her class. Special prize for best headed female in her class



PRINCE CHARMING
"The nearest living approach to an ideal Leghorn head." Special prize, Indianapolis, February 2-7, 1914.



SILVER KING I
First prize cock, Coliseum, Chicago, 1912. First prize old pen, Coliseum, Chicago, 1913. Sire of 10 prize winning cockerels and pullets Coliseum, Chicago, 1913.



SILVER KING II
Son of Silver King I, First Prize Cockerel, Coliseum Show, Chicago, December 12-17, 1913.

S. C. W. Leghorns

Sweepstake Champions

1914—**Illinois State Fair**—1914

37 Leghorns Entered; 31 Ribbon Winners

Cocks 1-2-4	Old Pens 1-2
Cockerels 3-4	Pullets 4
Hens 1-2-3-4-5	Young Pens 1-3

Sweepstake Champions

1914—**Indianapolis, Feb. 2-7**—1914

25 Leghorns Entered; 24 Ribbon Winners

Cocks 1-2	Old Pens 1
Cockerels 2-3	Young Pens 1-2
Hens 1-2	Pullets 1-2

Our Customers' Winnings

We have been deeply gratified at the success or our customers during the last year. Our strain is acknowledged as consistent winners. Young stock hatched from eggs purchased from us are everywhere showing up splendidly. Now, what we have done for ourselves and for others, we can do for you. Why not write us your needs today?

Winter Shows

Our manager, Mr. Harmon Bradshaw, is acknowledged to be one of the best conditioners of show stock in the country. We have a large number of cocks and hens now going through the molt that will be in prime condition for the winter shows. In addition, we have literally hundreds of young fowls hatched from all-star matings. If you are weak in a cock or a cockerel, a hen or a pullet; if you need a single bird or a bird to fill out your string—write us today.

2000 FOR SALE AT MODERATE PRICES Leghorns and Silver Campines 2000

Silver Campines

Sweepstake Champions

Coliseum Show **Chicago, December, 1913**

Cockerels 1-3-4	Pullets 1-2-5
Cocks 3-5	Hens 2-3
Old Pens 1	Young Pens 1-2

"The Green Sheen Strain" so far as the appearance of our fowls is concerned, is especially noted for three things: Type, barring and the beautiful beetle-green sheen of the feathers. From the view point of utility, the females have been bred to lay, continuously, large white eggs. Poultry artists and judges agree that our flock is the peer of any in the country. We have 250 cockerels and 500 pullets of remarkable strength at the command of our customers. Information and literature will be forwarded for the asking. Absolute satisfaction guaranteed customers.

THE WILLOWS POULTRY FARM FRANK E. HERING, Proprietor HARMON BRADSHAW, Mgr.
Box 488, South Bend, Indiana

from red to black, due to the blood they have sucked from their victims. Young mites that are empty and hungry are not easy to see for some people, for they are pale and almost colorless animated atoms, but you can feel them quick enough if you are unfortunate enough to get sprinkled with them in some infested coop. To be exact, the adult female mite (when not distended with blood) is .70 mm. in size and the adult male is .60 mm. A millimeter (mm.) equals one twenty-fifth of an inch. Seven-tenths of a twenty-fifth of an inch of nearly oval colorless animate matter isn't always easy to locate with the unaided eye, but where mites are plentiful you will always find plenty of animated red and black "periods" (as Dr. L. describes them) crawling about woodwork at ends of roosts, cracks in boards or joints and cracks in the nests. Hope no one troubled with this pest will have any difficulty in identifying mites after this.

Male Bird Too Heavy.

Q. I have lost several Rhode Island Red hens; without the slightest warning they drop dead. I have opened and examined them carefully and could detect no cause of death except that one hen had a large liver. They have the best of care. I feed a dry mash and commercial scratch feed. Can you explain? Are the fowls fit to eat if bled at once after death? Do you suppose that the male bird is too heavy for the hens; he weighs 10½ pounds and the hens only from 5 to 6 pounds? G. W. A.
Bayonne, N. J.

A. The male is too heavy for the females, and that is probably the cause of your losses. Particularly so, if you have only a few females with the male and he treads the hens often. We do not care to use a male that is over 2½ pounds heavier than the hens. Few poultry keepers give sufficient thought to the protection of laying hens and pullets. While layers may sometimes stand rough usage and seem none the worse for it, it is a fact, none the less, that a hen in full lay is a delicate piece of mechanism and quite easily put seriously out of order. Rough handling of a layer just prior to or immediately after depositing an egg may prove fatal. When it is necessary to remove a layer from the nest, don't be rough about it and never grasp her under the abdomen where your grip will compress the soft parts. Good hens have been ruined or killed that way, more than is generally known. If you cannot use both hands to remove the layer from the nest gently and without squeezing pressure, it is better to grasp her by both wings near the shoulders, using one hand. Don't subject layers to rough handling. Don't use too heavy males. Don't allow too few females to a very active, vigorous male.

As to fitness of the birds for food, we presume they are all right, if your stomach don't say no. We never eat any fowls that are not specially killed for table use after due preparation and being kept without food for 36 hours. If a hen meets accidental sudden death by injury or smothering we bury or burn the carcass. Some thrifty folks may consider that a waste of perfectly wholesome food, but we had rather go without than to eat something that our stomach balks at. Fact is, that even with home dressed poultry we won't use it unless it opens up in good order. Finicky? Maybe, but we can't recommend for

others something we wouldn't do ourselves.

April Hatched Leghorns.

Q. Do you consider April hatched Leghorns good to use as breeders the following March? A well known breeder claims they are all right. Would like to have your experience.

Corfu, N. Y. W. P.

A. If wintered in good condition the April hatched Leghorn pullets should be all right for breeding next spring. We have quite a bunch of April and May White Leghorns that we expect to breed next February.

Cannibalism Among Domestic Fowls.

The following is a copy of an interesting communication forwarded to us by Secy. S. T. Campbell, of the American Poultry Association:

Halifax, Pa., Sept. 17, 1914.

Mr. S. T. Campbell,
Mansfield, Ohio.

Dear Sir:—A very interesting case of cannibalism among chickens has recently come to my notice and it occurred to me that you might wish to lay it before the association. I have a friend, the Rev. George Richter, who has been a United Brethren missionary in Rotifunk, Africa, until he came home on a furlough about four months ago. While on the field he noticed that his chickens were disappearing, for every morning when he opened their house several skeletons would be lying on the floor. He knew of no way that strange animals could gain admittance and determined to keep a close watch. One day he saw a number of the fowls jump onto one of their number and tear it all to pieces until nothing was left but the bones. This continued, constantly growing more frequent, until his flock of seventy-one was reduced to four, three of which he then killed. The remaining cockerel was torn open in several places and it would grasp a piece of protruding flesh, pull at it until it was loose and eat it, at the same time rolling on the ground and squealing from pain. Later Mr. Richter heard of another missionary having the same trouble.

The chickens in Africa are a scrubby, mongrel breed, the descendants of some introduced from Europe years ago. They are prolific hatchers, laying from seven to thirteen eggs at a stretch, and then starting in to hatch them. With care and good feeding they will gain fully 50



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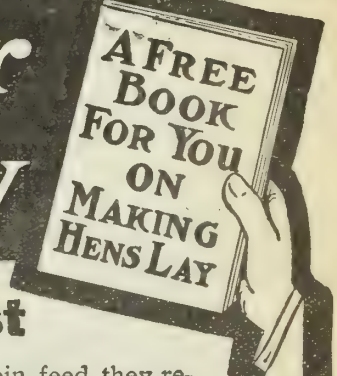
Mites cannot breed or harbor where it is used. One application each year does the work. Write for special trial price.

M. E. DIRK
Box 102 North Baltimore, Ohio

CAUTION: Any Bone Cutter claiming to be MANN'S without F. W. MANN CO. cast on its surface, is an imitation. The genuine MANN'S is made only in Milford.



Make Your Hens Lay



When Eggs Are Worth Most

HENS relish juicy bugs and worms because these supply the protein feed they require to make eggs. The craving for meat and bone food—protein feed—is simply nature working out the egg-laying proclivity. Hens **must** have food rich in protein or egg-making elements, or it will be impossible for them to lay.

Our little book tells you all about the how and why of this. It makes you master of egg-getting. It's a book that opens up to you the real possibilities with poultry.

It's simply a matter of knowing what food to supply and how to prepare it. It is now established beyond all doubt that raw, green bone, with adhering meat and gristle, cut fine, is the ideal egg-producing food. Its cost is a mere trifle and its preparation is easy with a

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Sold On 10 Days' Free Trial—No Money Down

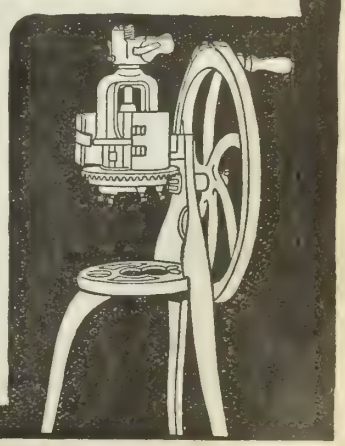
It turns easily and rapidly, cutting green bone, with adhering meat and gristle, wasting nothing.

Its self-governing feed automatically adapts the cutting to **your** strength, so that anyone can use it.

Its open, hinged cylinder is easily cleaned, and it takes in large bones. It is strong, durable, and requires few repairs. We want you to try one.

We will send you a Mann's Latest Model Bone Cutter on **10 Days' Free Trial**—no money down. If satisfied **after the trial,** buy it. If not, return it **at our expense.**

You want our good books, at any rate, send for them. We'll forward by return mail.



F. W. Mann Co., Box 56, Milford, Mass.

per cent in weight by the second or third generation and the natives are then anxious to buy them back. However, their second or third generation will again be back in type, due to the lack of care, so they attribute the white man's success to magic.

Very truly yours,
Frederick C. Smith, M.D.

(Note.—The above concerning common native fowl of Africa is interesting as the unusual report of cannibalism. It has been our observation that cannibalism is quite common among fowls wherever large flocks are kept. If dead or injured fowls are allowed to remain where other birds can get at them, they are quite certain to be eaten. The remedy is to remove the injured, wounded and bloody birds from the flock immediately on discovery of same and to burn all carcasses of dead ones at once. When the habit of cannibalism is once formed it is difficult and sometimes impossible to stop. From newly hatched chickens to adult fowls there is always the likelihood of development of cannibalism if there is favorable opportunity for forming the habit. This appears true of most animals, not excepting man. —Editor Q. A. Dept.)

Feeding Ducks.

Q. I find so little about how to manage ducks in your magazine. I have Indian Runner ducks and about 150 hens, but they do not lay many eggs. Please give a good ration for laying ducks and growing ducks, also for hens. Ducks have free range. W. L.
Fort Reno, Okla.

A. We did not realize that duck feeding and management had been neglected, but as above letter is same in substance with half a dozen others received the past month, we will try to make good with the desired information. Here are duck rations for all ages. The feeding of hens and pullets for egg production is covered in an article in this issue:

Ducklings Under Four Days Old.
Wheat bran, 1 bushel.
Corn meal, 1 peck.
Low grade flour, 1 peck.
Fine grit, 2 pounds.

Mix into crumbly mash with cold water and feed four times a day all they will clean up in twenty minutes.

Ducklings Four Days to Four Weeks Old.
Wheat bran, 1 bushel.
Corn meal, 1 peck.
Low grade flour, 1 peck.
Fine-ground beef scrap, 3 pounds.
Fine grit, 1½ pounds.

Beef scrap should be scalded before mixing with grain. Mix mash with cold water. Feed four times a day all they will clean up. Give cut green clover, fresh cut rye, or cabbage freely.

Ducklings Four to Six Weeks Old.
Wheat bran, 3 pecks.
Corn meal, 1 peck.
Low grade flour, 1 peck.
Fine grit, 1 pound.
Fine-ground oyster shells, ½ pound.
Scalded beef scrap, 3 pounds.

Mix in 10 per cent fine cut, fresh green food. Mix mash with cold water; feed four times a day all they will clean up.

Ducklings Six to Eight Weeks Old.
Wheat bran, 1 bushel.
Corn meal, 1 bushel.
Low grade flour, 10 quarts.
Beef scrap, 12 pounds.
Fine-cut fresh green food, 1 peck.
Grit, 3 pounds.

Mix into crumbly mash with cold water. Feed all they will clean up three times a day. Keep oyster shell before them.

Ducklings Eight to Eleven Weeks Old.
Corn meal, 1 bushel.
Wheat bran, 2 pecks.
Low grade flour, 2 pecks.
Beef scrap, 10 pounds.
Grit, 2 pounds.

Mix into crumbly mash with cold water. Keep oyster shell always before the birds. Feed green food with the mash at first, then less freely until within ten days to two weeks of market time. Then omit green food altogether.

Another Big Triumph for Monmouth Leghorns

Added to the long list of winnings of Monmouth S. C. Buff and White Leghorns are those at the recent

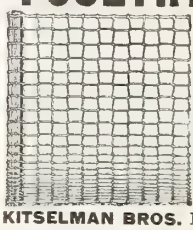
New York State Fair

S. C. Buffs—3d cock; 1st, 2d and 3d cockerel; 1st and 4th pullet; 1st pen; best display and all specials **S. C. Whites**—2d and 5th cockerel; 1st and 4th pullet; 3d pen; special on pullet—no old birds shown. Our birds have won 1st prize at Madison Square Garden for five years. Fifty prizes from 60 entries. Prize and utility stock for sale at low prices. Beautiful catalogue and 1914 mating list free. Write for it today.

Our Birds Will Win for You in any Show

Monmouth Farms -:- J. C. Punderford, Owner
Box 23, Freneau, Monmouth County, New Jersey

BIG INCOMES FROM POULTRY
assured to those who know how. 10c. in coin gets the latest and most successful poultry methods complete. Many make $3,000 yearly on small acreage and capital. Possibilities simply amazing. Address
MARK WALTER, Box 101, Kalamazoo, Mich.

POULTRY FENCE

48 INCHES HIGH
22½ cts a rod
Stays 4½ inches apart. Line wires 1¼ inches at bottom to 3⅞ at the top. Goes up like farm fence.
27¾ cts a rod
for a 48-inch combined Poultry and Stock Fence.
Lawn Fence 6c. a foot.
Lowest Factory to Farmer prices. Catalog Free.
KITSELMAN BROS. Box 295 **Muncie, Ind.**



Any One Can Win

where the classes are small or the competition is not keen and, dear readers, do not be led into believing that the fellow who makes big wins necessarily makes them in keen, competition for the name of the show does not indicate competition.

FAIRVIEW WHITE ROCKS

Have always hunted competition and have ALWAYS won their share of the ribbons. At the late Illinois State Fair, they won 1st and 3d cock on two; 1st and 4th hen on three; 3rd and 4th cockerel on four; 3rd and 4th pullet on three and 2d old and 2d young pen on one of each. You will note that I won two out of three firsts on old stock and did it with six less birds than my competitor exhibited in these classes, besides my share of seconds, thirds and fourths on young stock which was not matured enough to compete with the early hatched youngsters shown by my competitor. Was there any competition? Look up the report of the show and judge for yourself.

I have over 1000 young birds with blood lines the same as these and other noted winners and can furnish winners for any show, anywhere. Write your wants and mention American Poultry Journal. Catalogue free.

GUY DAILY Box A Jeffersonville, Indiana

PROOF THAT PARKS' STRAIN OF BRED TO-LAY BARRED PLYMOUTH ROCKS



Have laid their way into world-wide popularity can be found in our hundreds of unsolicited laying reports from all over America and the world.

Parsons Chicken Ranch, El Paso, Tex.—126 hens of your breeding have averaged 208 eggs. Percy Houghton, Sidney Devon, England—The birds I recently imported from you have laid splendidly. E. H. W. Broadbert, Lihua Kania, Hawaiian Islands—The birds you sent are not only good lookers but mighty good layers. W. V. McKenzie, Skagway, Alaska—Your chickens are certainly phenomenal layers. With the thermometer 20 below zero, they are shelling out the eggs that are selling at $1 per dozen. W. R. Hayne, Timura, New Zealand—Received the trio, they surely have the laying habit, one laid day of arrival and the other two days later. D. W. Fairlie, South End, Canada—I think your strain is a world beater. I never had anything equal them for egg production.

You'll find a lot still more convincing in my new large free cockerel circular, also a full description and proof that Parks' "bred to transmit the lay" cockerels with their over 25 years of careful selection, trapnesting and pedigreeing for eggs do stamp that improvement in the way of eggs on their off-spring. My last Winter's winnings show how close we breed to the standard requirements. **Cockerel circular free.** Cockerels, $3 up. 40-page catalogue, a dime. Deduct same from first order. (Mrs. C. W. Beatham, Cardena, Cal.—Your catalogue is worth more than many $1.00 books.)

J. W. Parks : Box J, Altoona, Penna., U. S. A.

Summer Ration for Breeding Ducks.

Heavy wheat bran, 3 pecks.
Low grade flour, 1 peck.
Corn meal, 1 peck.
Best beef scrap, 3 pounds.
Fine grit or sand, 1 pound.

Mix with cold water. Feed twice daily. This ration is for ducks kept on wide green range or pasture in summer season and intended for breeding stock.

Ration for Breeding and Laying Ducks.

Corn meal, shorts or mixed feed, equal parts.

Best beef scrap, 10 per cent.

Add a little clean, sharp sand.

To above mixture is added in season fresh, finely cut green food or cured green food in the proportion of four buckets of green stuff to each fourteen buckets of grain. The whole is mixed dry and then made into a crumbly mash with cold water. Sufficient low grade flour should be added to just stick the mash together, so that it will cling in shape when made into a ball with the hands. Feed this mash morning and night, all they will clean up in fifteen to twenty minutes. At noon give a light feeding of whole corn.

(Note.—The above formulas are copyrighted by Dr. Woods in his "Poultryman's Formulary" and are reproduced by permission.—Editor.)

A Question in Heredity.

Q. Every now and then I would ask you a question if you were here while I am studying the poultry papers. Here is a matter I would like to have discussed. After two years of breeding, which offspring will be the nearest pure, the male or the female? That is, of these two matings, which would show the most Minorca characteristics?

(1) Take a Barred Rock hen and a Black Minorca cock. The pullets from this cross put to a thoroughbred Black Minorca cock.

(2) Take a Black Minorca hen and a Barred Rock cock. Use a cockerel from this cross to mate with a thoroughbred Black Minorca hen.

Which lot of progeny would show the most Minorca blood? I think the male in matings (1) would bring the line quicker than it could be obtained through females in the matings (2). In that case is not the male much more than half the pen? Hope you get what I am driving at. E. L. F.

East Millstone, N. J.

A. We know that the matings numbered (1) would produce a pretty fair grade Minorca. We never tried proposition (2) and believe the results would depend a good deal upon the cockerel selected from the first cross. There is a good deal bottled up in Plymouth Rocks; their ancestry is mixed and it is difficult to say, without trying the experiment several times, just how plan (2) would work out.

Hereditary traits and characteristics do not appear to be handed down in any exact proportions from either parent. Blood, *per se*, is not handed down directly to son or daughter, and half-breeds or quarter-breeds are not actually half-bloods or quarter-bloods. The blood of an embryo is developed solely from its own resources; it makes its own blood. The only things the parents contribute to the offspring are whatever may be contained in the ovum and spermatozoon which unite to make the perfect cell or impregnated egg. It is believed that only one spermatozoon actually impregnates or fertilizes the ovum, but a number of spermatozoa may lose themselves in the egg substance and we don't know what becomes of them, unless they are absorbed with the rest of the egg upon which the embryo feeds. The tiny spermatozoon carries apparently limitless possibilities bundled up in the small compass of its microscopic head; the ovum also carries wonders of its own. Exact proportions of definite characteristics are not handed down to each embryo alike. Each individual em-

A New Record for Nixon's White Wyandottes

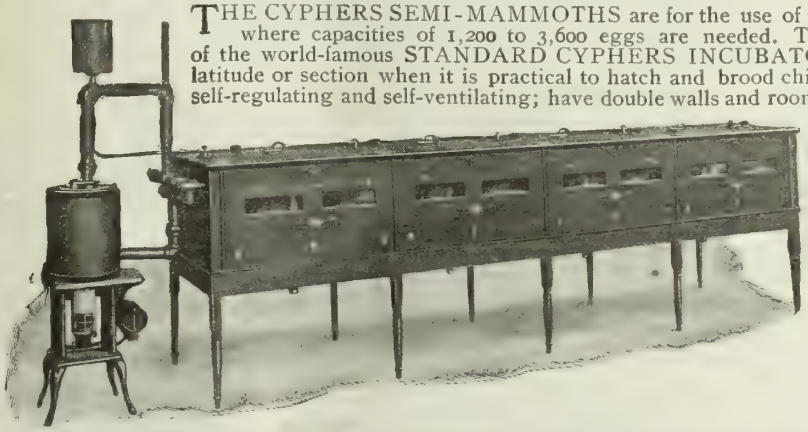
At the big Inter-State Fair, Trenton, N. J., October, 1914, I made the following smashing win: 1st and 5th cock, 1st and 2d hen, 2d and 4th cockerel, 1st and 2d pullets, 1st pen, special for best male, special for best female and best display. **Lost first cockerel on sick birds.** This win was made on eight entries. Come to a specialist if you would be successful. Write for just what you need in good winners, layers or breeders.

Chas. Nixon, Judge and Breeder : : : Box 202, Washington, New Jersey

Cyphers Semi-Mammoth Incubators

MADE in two popular sizes, 1,200 and 1,600 eggs, heated by blue-flame oil stove, by gas or hard coal. Also made in larger sizes to be heated by gas or coal. Are built complete in our factory and shipped in compartments ready to be set up with ease and accuracy by any handy man. Illustrated descriptive circular and price-list to any address on request.

THE CYPHERS SEMI-MAMMOTHS are for the use of poultry plants, egg farms and duck ranches where capacities of 1,200 to 3,600 eggs are needed. They embody numerous patented features of the world-famous STANDARD CYPHERS INCUBATORS and will do excellent work in any latitude or section when it is practical to hatch and brood chickens or ducks by natural methods. Are self-regulating and self-ventilating; have double walls and roomy nurseries for newly-hatched chicks or ducklings; do not require heater pit, but stand free on floor of apartment and can be moved about like any small incubator.



From Photograph, Showing Four-Compartment, 1,600-egg size, Latest Improved Cyphers Semi-Mammoth Incubator, Heated by Blue-flame Coal Oil Stove. No Pit Required. No Coal or Ashes to Handle. Stands Free on Floor and Can be Moved at Will. May be Equipped for Use of Gas or Coal Heat if Desired.

Cyphers Regular Mammoths

Range in size from 4,000 eggs upward to any hen-egg or duck-egg capacity that may be required. Have been in successful use by customers four, five and six years, their field of operations reaching from Massachusetts to California and from Canada to the Gulf states. Are an extension of the Cyphers Semi-Mammoth, illustrated herewith, embodying the same patented Cyphers Company principles, but are heated only by gas or hard coal, on account of their large size or capacity. Are built in UNIT SECTIONS in our factory. Each section is crated separately, like a Standard, lamp-heated Cyphers and when uncrated is ready to be placed end to end with its mates, thus forming a complete machine. EACH COMPARTMENT or egg chamber of both the Cyphers Semi-Mammoths and Cyphers Mammoths, HAS SEPARATE REGULATION—a feature the buyer should insist on in selecting a hatching machine of this type and capacity. WRITE TODAY for descriptive circular of these latest improved Cyphers Company "wholesale hatchers." Address our nearest branch store, or "Mammoth Department" at our Buffalo offices, thus saving time.

Cyphers Incubator Company Dept. 652 Factory and Home Offices, **Buffalo, N. Y.**

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bryo is different and gets a different proportion of parental legacy or influence. The progeny may resemble the sire, the dam, or the grandparents and farther back. Usually the closer the inbreeding the closer the "family resemblance." If "blood" were transmitted to the progeny in exact proportions, you ought to have the same proportion of "blood" from both (1) and (2), but it does not work that way. Neither can you say that the sire has more influence on the progeny than the dam, for in both sexes the prepotency varies with the individual and what is back of the individual. We still have much to learn about heredity and a good many are apt to attribute too much to heredity and too little to environment and care and feeding during growth. There are many interesting theories about heredity, but none of them satisfy. The "laws" are not absolute.

Eye Disease in Southern Flocks.

Q. I have a flock of several hundred White Leghorns and have lost quite a few with some eye disease. The first symptoms seem to be watering of the eyes, fever and great thirst. A thick white, frothy looking matter forms in and around and particularly over the outside of the eye and later in nostrils and roof of mouth. The eye seems to be pushed back into the head. The cornea becomes milky, fowls quit eating and die. Frequently only one eye is affected. The matter that is formed is hard, or rather the hardness and color of ordinary fat of animals. There is no odor and no running of nostrils, or if any it is very slight. No wheezing or coughing. There is no pushing out of the eye as in roup, but it is covered over on the outside under the lid which closes. I have been told by Floridians that the trouble is due to a small white worm which enters the eye. I have autopsied quite a few with a magnifying glass, but have found no worms. The trouble is quite common here in the South and is fatal or if recovery takes place the fowl will be blind in affected eye. What is it? What preventive measures can be taken? What is the cure, if any?

I have examined chickens in the early stages under the glass and find that the disease seems to start with a white colored ulcer upon the inner surface of the upper eyelid near the forward upper corner of the eye. W. B. M.

Olga, Fla.

A. Best remedy is to use a few drops of a freshly prepared 25 per cent solution of argyrol in affected eye several times daily. Use less often after improvement begins. First, free the eye from secretions by bathing with a 3 per cent boric acid solution. Treatment to be effective should begin as early in course of disease as possible.

The trouble is an infectious and ulcerative inflammation of the mucous membrane of the eye and usually also of mouth and nostrils. It may be an extension of mouth and nose disease to the eye or may be direct infection of eye introduced by scratching with toe nails that carry infectious matter. The source is to be found in the soil of much used, not properly disinfected and sweetened runs, old earth floors, old dusty poultry houses, mouldy and musty leaves and litter and in musty, dirty, dusty grain. Remove the cause. Clean up and use a creolin disinfectant freely about the poultry houses. Sweeten all yards and runs by top-dressing with lime, ploughing and frequent planting of quick growing grain. Do not allow fowls to run in shady swamps where there are many decaying leaves and quantities of other rotting vegetable matter and fungus.

Cockerel With One Undeveloped Wattle.

Q. I have a cockerel with only one wattle developed. The other is small and drawn up. Would that injure him as a breeder? Otherwise he is one of the best I have raised. Can I obtain back numbers of AMERICAN POULTRY JOURNAL. E. E.

Rutland, Ill.

A. It would be interesting to mate up the cockerel with a few females and note results. He may develop the other wattle later. We have noted cases where comb was slow to develop and only one wattle grew to normal size, where post mortem examination showed imperfect development of the testicles.

If you will state what back number you want of A. P. J. our Chicago office may be able to supply it or you may be able to obtain same from some of our readers. Back numbers are usually a very "short crop" and difficult to obtain.

—o—

Have you read the editorials? Two of them are bound to interest you, "What's Your Name" and "Give Us Your Ideas."

S. C. WHITE LEGHORNS

For sale—Exhibition birds guaranteed to win in any competition. If you are looking for males or females for the Fall and Winter shows, I have the birds you want and will ship them on approval. Address

W. L. FERN 682 Slade Avenue ELGIN, ILL.

Skinner's Standard White Wyandottes

Mr. F. E. Skinner, Sandwich, Illinois

had on exhibition at the Poultry Department, Illinois State Fair, 1914, two White Wyandottee hens. His entries,were lost in the mail, therefore when the judging was done his birds were not considered. We, the undersigned Judges would place them 1 and 4 hens if they had been in competition. A. L. McCord, Supt. Dept., Theo. Hewes, J. C. Johnston.

F. E. SKINNER Box A SANDWICH, ILL.

Harnly's Quality White Orpingtons

Began this season's **contest** by 4 weeks showing, traveling 1500 miles and winning **70 premiums—25 Firsts and 20 Seconds** at the three **Great Fairs, Minn. State, Wisconsin State and Illinois State,** took the highest awards. At each **big show** entered for the **classiest-prize** and **won it,** besides many others. Write me your wants and for my free catalogue.

Mrs. J. H. Harnly 2301 Elisha Ave. Zion City, Ill.

Hawkins' Barred Rocks

READY TO WIN

For 30 years they have produced more winners at **New York, Boston, Chicago** and the **World's Greatest Shows** than any other strain. They show more **quality** this season than ever before. A flock of 21 pullets of this strain averaged **207 eggs in a year. Winning show birds and choice breeders for sale.** Big Catalog of the Champions free.

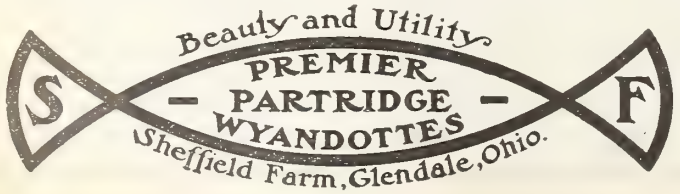
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"PREMIER"

Partridge Wyandottes

Unexcelled for Beauty and Utility

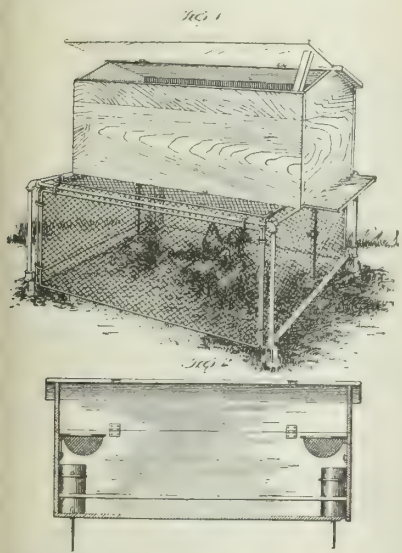
Awarded more First Prizes than any other strain of this variety in America. With "Premier" Partridge Wyandottes you can **win in strongest competition. In the lead as a general purpose fowl,** hardy, quick to mature, fine Winter layers. Attractive prices on high class birds. Choice cockerels bred to meet the requirements of the 1915 Standard. Illustrated circular on request.



Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.

A portable grazing pen and chicken coop, invented by Boniface Spanke, Nevada, Mo., is mounted on casters so that it can be readily wheeled to a fresh plot of grass without the trouble of pulling up and redriving stakes or having to chase the chickens around the lot in an effort to get them cooped up again. The frame of the pen is made up of inverted U-shaped members and cross-bars, supported on rollers, with an



Portable grazing pen and chicken coop patented Sept. 1, 1914, by Boniface Spanke, Nevada, Mo. No. 1,109,477.

open bottom, covered top and screened side panels. A coop may be carried on this pen, there being a movable bottom forming a doorway between the two. Patent No. 1,109,477.

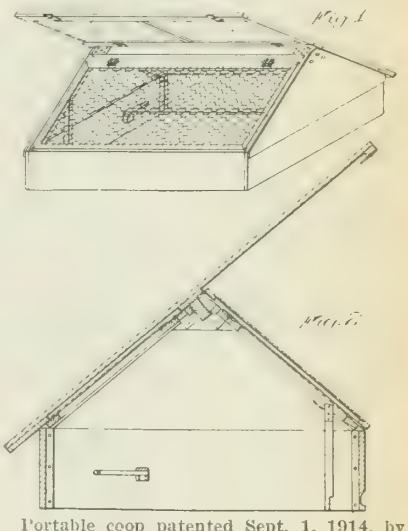
A coop adapted to provide ample ventilation without subjecting the chickens to inclemencies of the weather has been invented by Israel Putnam. The roof is in one solid piece, turning about a single center. It may readily be reversed in position so as to close the side exposed to cold or storms, while affording the advantages of an open-air house. An inner covering frame covered with cotton cloth, is hinged to the roof at one side of its axis. This cover is normally secured to the roof, but may be closed to keep out cold when desirable. Florence M. Putnam and Charles L. Hart, both of Elmira, N. Y., have acquired the patent rights. Patent No. 1,109,177.

A coop fastening invented by George W. Fletcher, Mendon, Ill., permits of the removal of one slat from the coop without disturbing the others. This slat is mounted in slots in the ends of the coop, and is held in place by its engagement with a spring-controlled finger mounted in a plate over a portion of which the removable slat lies. Patent No. 1,109,057.

A brooder invented by Nyla Q. Kelso, Tulsa, Okla., has been patented to him to John D. Wynn, of Tulsa, the latter acquiring a half interest in the patent. It has a heating and a scratching chamber. A heater box, in which a kerosene or other lamp may be placed, is attached to the side of the heating chamber. The novelty resides in the flue, which leads from this heater box through the adjacent heating chamber, returning to terminate in the heater box, from which another flue leads through the scratching chamber, terminating outside its opposite wall so that no smoke can escape into the brooder chambers. Patent 1,110,941.

A chicken holding device is the invention of Harry W. Leyh, Jeannette, Pa. Its purpose is to hold chickens while being operated upon or for the purpose of plucking out "off-colored" feathers, or for washing the head and feet to put the fowl in show condition, etc. Patent 1,109,772.

A new thermostat for incubators, invented by George Cugley, Springfield, Ohio, has been patented to the Buckeye Incubator Company, of the same city. It has a series of four channel-shaped members, the intermediate members being more expansible than the outer members, arranged back to back and connected together at or near their centers, one of the intermediate members having a pair of notches cut in each of its side walls, and the other of the



Portable coop patented Sept. 1, 1914, by Israel Putnam, Elmira, N. Y. No. 1,109,177.

intermediate members having a single notch cut in each of its side walls, intermediate the notches of the other members. The object is to secure the maximum movement by the expansion

Buff Orpingtons On account of owner changing residence to Florida, our entire flock of Buff Orpingtons are for sale. A grand lot of high class Cocks, Hens, Cockerels and Pullets at less than half what others will charge you for the same quality.
BRUCE & ABBOTT, Box 10, Whiteland, Indiana

BLACK ORPINGTONS THE BIG, BLOCKY KIND
A FINE LOT OF YOUNG AND OLD STOCK FOR SALE.
SYLVESTER THOS. McCABE 535 W. 4th Avenue COLUMBUS, OHIO



YOUNG'S Strain S. C. W. LEGHORNS

I Have No Other Breeds

They are the standard for all the Leghorns of all America, and the greatest layers of all domestic fowls. At the World's Famous and Premier Show of America, Madison Square Garden, New York, for the past thirteen consecutive years I have won best display and from three to five first prizes, every bird being bred and raised by me. Hundreds of yearling hens for sale from my best line bred laying stock, $2.00 up, and the grandest lot of cockerels I ever offered for sale. Mating list free.

D. W. YOUNG - - - MONROE, N. Y.

A Golden Opportunity

to secure some of the best S. C. Reds in the world. Late fall fairs and early winter show birds now ready to win for you at any show in the country. Remember, my Reds have been the most consistent winners in the big shows of any strain. Have also some grand utility birds for sale. Write me your wants. Catalogue free.

B. H. Scranton **Box 350** **Rising Sun, Indiana**

Fairfield White Rocks

Win wherever shown. We have a large lot of young stock for sale. Also choice show birds, both male aud female. Write for prices. Satisfaction guaranteed.

FAIRFIELD POULTRY FARM

H. W. Schnitzer, Prop. **Fairton, New Jersey**

PAYNE BROS.' R. C. R. I. REDS
Are Ready

We are offering at reasonable prices the finest lot of Cocks, Hens, Cockerels and Pullets we ever raised. All bred from our winners at Madison Square Garden, Boston, etc. Correspondence solicited. Catalogue Free.

PAYNE BROS. **Box J** **PORTLAND, CONN.**

"World's Best" "Canada's Best"

S. C. BLACK Minorcas S. C. R. I. Reds

Please send for my sale list and testimonials also list of prizes won which are convincing proof that our S. C. Black Minorcas are the "World's Best" and our S. C. R. I. Reds are "Canada's Best." We exhibited last month at Canada's two greatest fall shows, Toronto National Exhibition and London. We won at

TORONTO on S. C. Black Minorcas

Cock, 1st and 4th — Hen, 1st and 3d
Cockerel, 1st, 2d and 3d — Pullet, 1st, 2d and 3d

LONDON on S. C. Black Minorcas

Cock, 1st, 2d and 3d — Hen, 1st, 2d and 3d
Cockerel, 1st, 2d and 3d — Pullet, 1st, 2d and 3d

S. C. Rhode Island Reds

Cock, 1st — Hen, 5th
Cockerel, 1st — Pullet, 1st and 4th

S. C. Rhode Island Reds

Cock, 1st — Hen, 2d
Cockerel, 1st — Pullet 1st and 2d

All our winners at reasonable prices. Cockerels $3.00 to $25.00. Pullets $2.00 to $20.00 and no reserve.

T. A. FAULDS President of Black Minorca Club of Canada **London, Ontario, Canada**

HALBACH'S
WHITE PLYMOUTH
ROCKS



won the most decisive, unapproached victory at the greatest of all shows—

The Coliseum Show, Chicago, 1913

1-2-3-4 Cock
1-2-3-4 Hen
1-2-3-4 Cockerel
1-2-4 Pullet
1-2-3 Old Pen
1-2-3 Young Pen

This was the FIFTH TIME winning BEST DISPLAY.

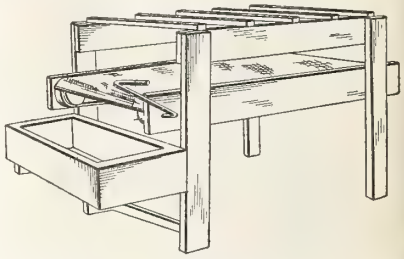
Cocks or hens, cockerels or pullets that will win for you. Thousands to select from. SUPERB in shape, WONDERFUL in color, OUTSTANDING in style and size. Egg machines that will produce the eggs. My policy is to give the biggest value for your money. Write me your wants.

For further information about records, breeding, care, etc., send 20 cents for my grand art catalog.

H. W. HALBACH **Route 1** **WATERFORD, WIS.**

and contraction in the minimum amount of space. Patent 1,111,138.

An electric incubator has been invented by Lyman C. Byce, Petaluma, Cal., its principal feature of novelty residing in the manner of winding, the coils of the conductor being widely separated at the centers of the cores and being closely related at the ends of the core, whereby to provide the maximum heat at the bounding walls of the chamber, with a view to avoiding concentration of heat at the center

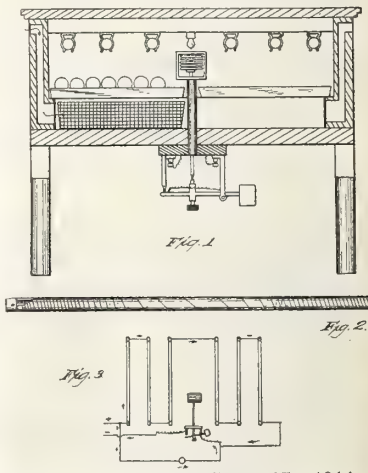


Roosting device patented Sept. 1, 1914, by William Callaway, Wichita, Kan. No. 1,109,612.

of the chamber to the neglect of its corners or sides. Patent 1,110,532.

A roosting device for fowls, invented by William Callaway, Wichita, Kan., has a webb mounted on belts disposed over rollers on a frame beneath the roosts to catch droppings. The rollers which carry the belts are mounted on spaced shafts. The device may be readily cleaned, as is obvious. Patent No. 1,109,612.

A sliding bottom for incubators, invented by Charles L. Vetter, Philadelphia, Pa., receives the chicks as they are hatched, and can be removed by dropping to a position in which it is removable, to permit its use in the dropped position as a brooder. A new setting of eggs may be started on another bottom in the place which the first formerly occupied, the second bottom being made the top of the brooder. Patent 1,109,269 .



Incubator patented Sept. 15, 1914, by Lyman C. Byce, Petaluma, Cal. No. 1,110,532.

A new automatic chicken feeder, invented by William L. Keller, Kearney, Neb., is operated by the weight of the chickens alighting on the depending perch. Patent No. 1,112,068.

130-Egg Incubator and Brooder
Freight Paid East of Rockies **Both for $10**



Hot water, double walls; copper tank—best construction. Write for Free Catalog.
Wisconsin Incubator Co. Box 76 **Racine, Wis.**



Womans Success With Poultry

Helen F. Woods, Editor

A Department for the Exchange of Helpful Poultry Experiences

FIRST EXPERIENCE WITH DAY-OLD CHICKS.

BY MRS. E. C. BAILEY, KINGSTON, MASS.

ON account of the difficulty in getting first quality table eggs at all seasons of the year, we have kept a few fowls on a back lot for a number of years and have been well repaid, having supplied not alone our home table but several neighbors as well.

During the past winter after visiting the great Boston Show, we could not longer resist the desire to actually engage in thoroughbred poultry raising, and placed an order with a well-known breeder of Rhode Island Reds for one hundred day-old chicks to be delivered the second week in March.



Part of Flock of Rhode Island Reds and Two Woods' Houses Which They Occupy.

The chicks, one hundred and six in all, arrived at the appointed time, which happened to be cold, wet, disagreeable weather, and about half of them looked fit candidates for the morgue on their arrival. These were hustled into a warm blanket-lined basket by the kitchen range, in an effort to revive them. In a short time, however, they gave every indication of being a very much alive bunch of chicks, and were soon moved to the brooder, where the rest of the flock had been housed. Only one chick was dead on arrival.

For the first few days we devoted a great deal of time to them, teaching them the way in and out of the hover, and feeding about every two hours. Clean drinking vessels were kept filled with water (chill taken off) before them all day. The floor of the brooder was well covered with a litter of hay mow chaff and fine sand. The chicks were first given hard-boiled egg crushed and mixed with a little dry rolled oats. Gradually they were introduced to a diet of mixed grains (ground chick size), boiled rice, raw potato cut into chunks, with a dry mash mixture before them most of the time. As they grew older they were allowed scraps of fresh meat from the family table occasionally or any fresh green food available. Plenty of fresh green sods of earth were provided them until they were given a good grass run, changing the brooder or coop from place to place as the grass was eaten by them. On several occasions we noticed a chick appearing rather dumpish, and such specimens were always immediately removed from the rest of the flock and placed in solitary confinement in a warm, comfortable place and given time to recover, away from the hustle and bustle of the rest of the flock. We lost but three chicks from the entire flock, one of these having his neck broken by the brooder lid falling upon him. The other two were weaklings and died during the first few days.

The one hundred and two chicks grew apace and when they were sufficiently developed to go into a colony house, we ordered fifty White Rock day-old chicks from a near-by breeder to refill the brooder. We received fifty-one of these, and followed the same general plan of caring for and feeding them, with equally as good success, having raised to maturity forty-nine specimens. The White Rocks, however, not having the same opportunity in the shape of a grass run, did not develop as rapidly as did the Reds. While the Rocks were supplied from time to time with green food, they showed the lack of grass run.

As the two flocks developed, we began erecting small-size Woods' open-front colony houses, and now have three of this type. At present we house fifty birds to each house, but shall cull out the male birds before cold weather, and these houses will then comfortably take care of the pullets during the coming winter.

In the flock of Reds we had forty-eight cockerels, leaving a little over half the entire number pullets. A number of the cockerels we have sold for breeders from two to five dollars each, and have sold two dozen, in dozen lots, as roasters, at 28 cents per pound. Not having had any experience in preparing fowls for market, we took these birds, after having starved them for twenty-four hours, to a near-by professional picker and had them properly dressed

Harold Tompkins' Rhode Island Reds

Both combs have started again to demonstrate their worth over all comers. At the great Brockton Fair, just past in the cream of the East, they won 1st pen, 1st and shape special, hen and 3d pul. on 4 entries. Hundreds of show and breeding birds ready now. Write your wants.

HAROLD TOMPKINS - - - - - CONCORD, MASS

COLE'S BUFF PLYMOUTH ROCKS

Are among the best in the world. Won at the great Coliseum Show, Chicago, Dec. 1913, 1st and 4th cockerel, 1st pullet, 3d hen, 1st pen young, best display. For Sale—50 yearling hens at $2 and $3 each. Young stock now ready for delivery. Some fit to win in any show.

Frank C. Cole : : Catalogue Free : : Van Wert, Ohio

and chilled in ice water at the rate of 5 cents each, with the result that both shipments have been entirely satisfactory.

We found the first pullet's egg from the Reds (hatched the second week in March) on September 12, and the yield has been gradually increasing since that date. The eggs are a beautiful brown color and not as small as the usual pullet egg from many other varieties.

The Rocks, being much later hatched, have not yet sufficiently developed to tell positively the percentage of males in the flock, but they look to be about evenly divided.

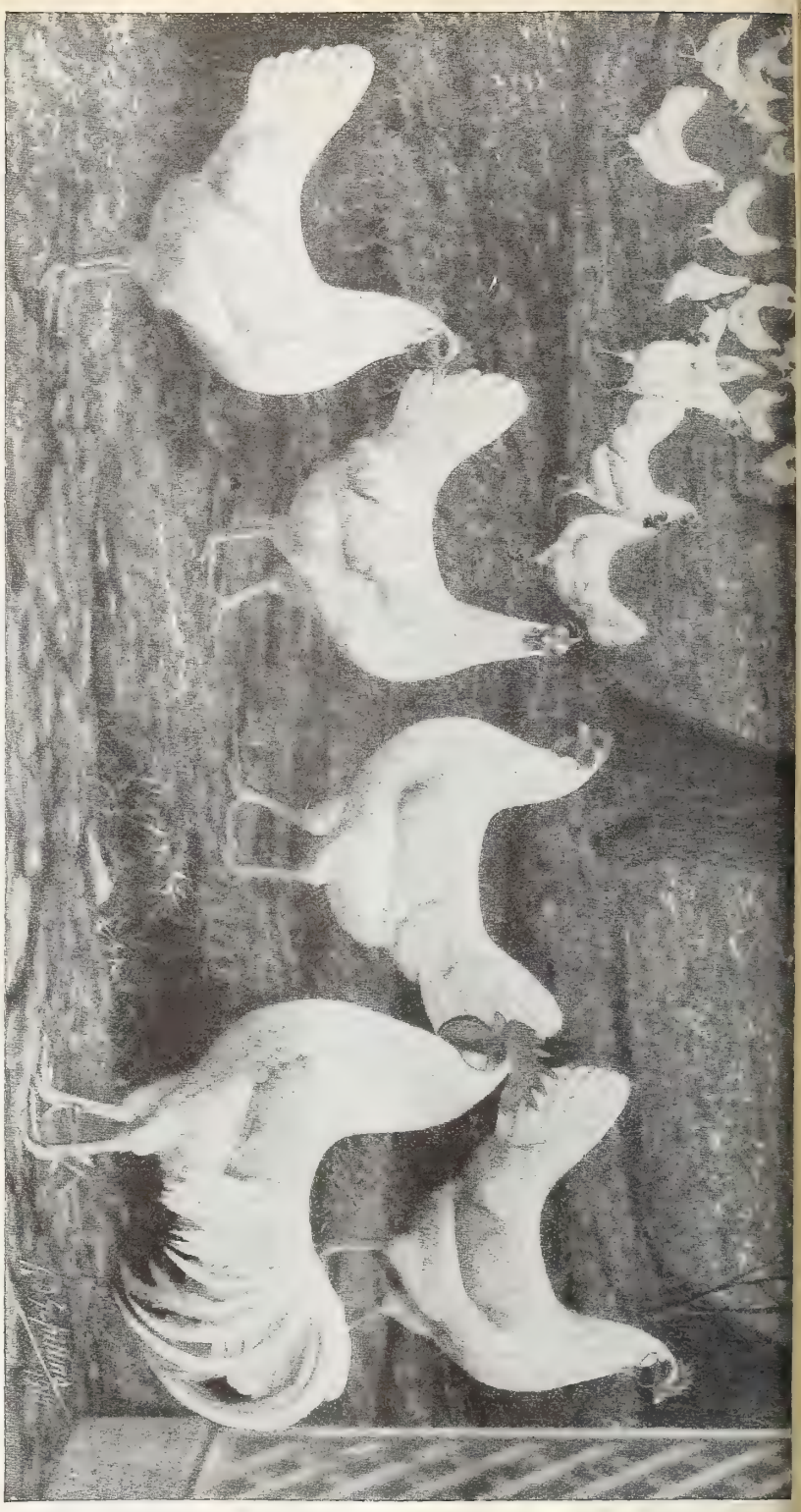
We attribute our success with these two flocks to the fact that they were from healthy parent stock, well hatched, and have been fed good, wholesome grains in great plenty and variety. Also they have been open-air housed and consequently have not been stunted by overcrowding in close, unventilated coops. A good part of the time they have had free range, but at all times have had a good-sized run. While cracked grains were used, these were taken whole to a near-by mill, cracked and mixed according to the varieties most relished by the chicks. Nothing but the best of clean, sound grain was used in the dry mash or chick food during the weeks of their early development, and the little fellows were never allowed to grow weary of the same old diet, day after day. If you do not believe this makes a difference in the daily life and development of a chick, try a little boiled rice after a prolonged diet of grains or mashes, or toss them a few chunks of raw potato, raw beet, scraps of lettuce, swiss chard or cabbage, or boil a few fresh fish, or a piece of gristle and chuck of beef, or neck of lamb, with a few scraps of meat to be picked out, and you will become convinced that life immediately takes on a new interest with the entire flock.

The work of caring for these flocks has not been great. At first we devoted ourselves to them until they seemed to be able to know where to find warmth, food and water, and after that all we had to do was to keep them supplied with these things, and they did the rest. They were never idle while there was a place to scratch or anything to pick at. After an early spring rain, they became quite enthusiastic over the rare find of a number of angle worms in their run, and thereafter as soon as a shower was over made haste to get out on Mother Earth in search of a good cheap meat food.

We are keeping a record of eggs and expenses and think that a family with land enough to keep a flock of fowls can increase the family income and insure their own table the best of food in the shape of eggs and chicken, aside from the genuine pleasure of producing a valuable food product.

———o———

"What's Your Name"—turn to the editorial page.



FIRST PRIZE PEN S. C. WHITE LEGHORNS AT CHICAGO COLISEUM SHOW DECEMBER, 1913. BRED AND OWNED BY ROBERT D. FARMENTER, KNOXVILLE, ILLINOIS. MADE FROM RETOUCHED PHOTO.

S. C. Rhode Island Reds

BRIDGWATER POULTRY FARM

THE GENUINE RED RAVEN STRAIN

Our pens contain some of the best Reds exhibited; winners at the great shows— New York, Boston and Chicago. Hens and pullets, $1.50, $2.00 and $3.00. Special prices on 12 or more. Cockerels $2.00, $5.00, $10.00.

Geo. Demlow, Prop. **LIBERTYVILLE, ILL.**

SATISFACTION STRAIN BUFF ORPINGTONS

Have given satisfaction for so long that they are now worthy of the name. Satisfaction Strain means just what the name implies, and today as well as in the past **I HAVE NO DISSATISFIED CUSTOMER IN THE WHOLE WORLD.** At the last **Great Chicago Show, 1914,** I made the greatest winning ever made by a Buff Orpington Breeder in any Chicago show, viz:—COCKS, 1, 2, 3; HENS, 1, 5; COCKERELS, 2, 3, 4; PULLETS, 1, 2, 4, 5; OLD PENS, 1; YOUNG PENS, 1, 2, 4; SILVER CUP BEST DISPLAY. Following the great winning made as above, there has been a greater demand for my stock than I could supply, and every hen and cock bird I cared to spare is sold. I still have 600 cockerels and pullets left to spare, all sons and daughters of the above and other winners, which are offered for sale to win at any show. Send in your order now and birds will be delivered when wanted, conditioned and trained free just before your show. Prices of stock, $3 to $25 each. My catalog, "THE BUFF ORPINGTON GUIDE BOOK" sent free. Write me regarding your wants.

F. A. KAUP BUFF ORPINGTON FARM, Box K-1, Glen Ellyn, Ill.

VALUES IN POULTRY.

E. B. TEMPLER, VALLEY FALLS, N. Y.

DURING THE PAST few years many lots of pure bred birds have changed hands at almost fabulous prices. The beginner as he has read of these transactions has undoubtedly felt that there was something radically wrong in this—for to his way of thinking "no hen was worth over a couple of dollars." Now it may be that in some of the sales the advertising element had something to do with the price, and for that matter, it was on both sides—that of buyer and seller. The buyer knowing that when he purchased the birds he would get a certain amount of advertising and prestige from the deal, and the seller taking advantage of the winnings of the birds to place a high value on them. The proposition is a fair one from either standpoint, and without question the birds made themselves valuable both by their breeding and their winning at the leading shows. However, when we come down to ordinary fowls, the matter of value must be determined by certain conditions, and it may be well for the beginner to know something of these conditions in order to understand the transaction. Misunderstanding has caused a lot of trouble between buyer and seller, for the simple reason that they look at the transaction from different viewpoints. The breeder has knowledge of the value of his birds and the beginner, who is possibly the one buying, has no comparative knowledge of any fowls.

The breeding back of the birds has much to do with the value that the breeder places upon him. If the dealer has for years been carefully breeding a certain variety, trap nesting them for eggs and breeding each year from his best stock, he is entitled to better prices than the man who is doing haphazard work. If it is a question of show stock, the breeder knows what his birds have done and what a certain bird is worth as a breeder or as a show specimen for future shows. If he demands a pretty good price for such a specimen, the bird is worth it and the buyer should have some regard for the breeder's valuation in the matter. No man wants to take time and money to improve his stock and then sell the product for the same money that some careless dealer can get for birds that possibly "look as good." These latter specimens may be all right just as they stand, but when you begin to breed from them it is an entirely different matter. The well-bred bird is in a fair way to produce well-bred offspring, while the poorly bred bird will usually produce mongrels. It is better to have quality in stock even if you have to pay a little more for it than you would for the quantity kind. If the man from whom you purchase your birds asks a pretty stiff price, you may feel that he has a reason for demanding a good price for his goods. You can buy a suit of clothes for ten dollars or you can get one for twenty,—each suit will have the same number of yards of goods in it and at a distance will look very much alike, but the careful inspection will show the difference. You will find one suit to be of inferior material, carelessly made, while the other is of finer quality and more carefully tailored. You can tell the difference by wearing each for a year and then note the well-worn appearance of one and the still natty looks of the other—it is a question of workmanship and quality of material that counts in the long run. The poorly bred bird will show his breeding after a time, while the well-bred one will far better maintain the quality of his parentage.

This same thing may be taken into consideration with regard to hatching eggs. Some breeders will charge ten dollars per sitting, while for the same number of eggs from the same variety another breeder will ask but a dollar for the fifteen eggs making the sitting. Where is the difference, you will ask. The man who asks ten dollars for fifteen eggs has a reason for asking the price—he has undoubtedly been breeding these birds for many years past—has exhibited them at the leading shows and won prizes on his stock. If anyone is entitled to compensation for his labor it is this poultryman who has worked hard to establish his strain and win over competitors. You yourself would be unwilling to sell for less after you had worked hard for results. The man who charges a dollar a setting may have stock that are poorly bred and hence the eggs are dear at the price he asks, although apparently the price is small.

Value is dependent upon many conditions which the beginner does not often take into consideration. There is a reason why one bird should be worth $500 while another may not be worth $5. There is also a reason why one egg for hatching is worth $1 where fifteen may not be worth the dollar. When you stop and take into consideration the breeding, the care, the show records, the trap nest records and other valuable data, it will not be so hard to classify values according to correct standards.

Llenroc Reds Win Again

At New York State Fair, in a battle royal with some of the most prominent breeders of the United States
1st Cock in class of 28. 1st Pullet in class of 32.
1st Young Pen in class of 15.
We are ready to furnish winning Reds for any show. Get a **Llenroc Red** and win. Address

JOHN E. HOUCK, Black Creek, Ont. **HENRY W. ALT, 87 Fuller St., Buffalo, N.Y.**

R. C. Rhode Island Reds



Winners at last Madison Square Garden Show. Some fine cocks and hens for sale. Young stock coming fast. Write us if you want the goods.

SIMMONS & CRITTENDEN - GENEVA, OHIO

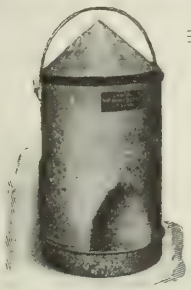


Andrews' White Wyandottes

HAVE WON MORE PRIZES THAN ANY OTHER STRAIN AT BOSTON

The White Wyandotte Show of America. Have a grand lot of youngsters ready to win. Write for prices on birds that can win anywhere in America. Fine breeding cocks, trios and pens for sale. 24-page illustrated catalog free.

J. W. ANDREWS, Box A, DIGHTON, MASS.



The Improved O. K. Drinking Fountain

This is the real Double Walled Fountain, made on the plan of the thermos bottle, and it protects the water from both heat and cold.

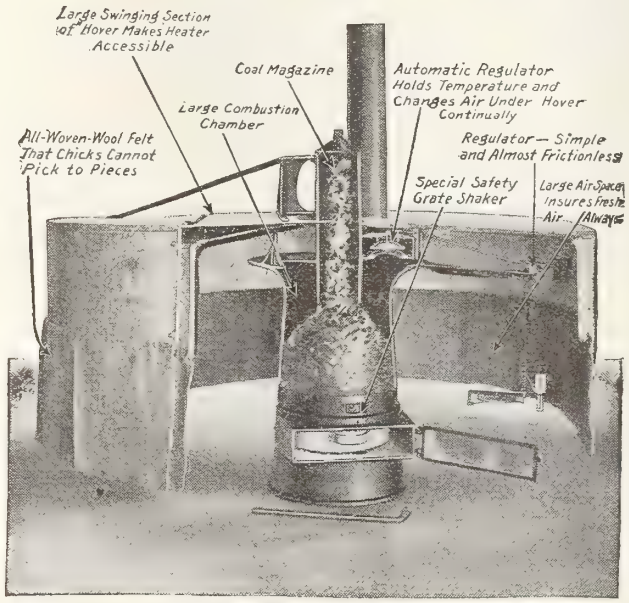
Let us send you our special circular on this article, and prove to you that it is the greatest improvement ever made in drinking fountains.

Also circulars describing several other new articles for the season of 1915. General catalogue will be issued later.



THE OAKES MFG. CO., Dept. B
Factory and Home Office, TIPTON, IND.
Eastern Branch, 64 Cliff St., New York Canadian Warehouse, Toronto, Ont

The Cast Iron Brooder That Lasts a Life-Time



The Candee Colony Brooder
For Large Flocks of Chicks

The Candee Colony Heater, of course, is constructed of cast iron; and of a special quality used for hot-air furnaces. Every part of it is made of this material which does not "crack," does not "burn out," does not "rust out," and that lasts a life-time.

Coal Fed Through Magazine A coal magazine that holds a good supply of fuel keeps the fire burning evenly and continuously.

The Largest Grate Its 12-inch grate insures the fire staying with the chicks in mild weather when they still require some heat, and also in the coldest kind of weather.

Dependable Regulator Its automatic regulator is practically frictionless in its operation and holds a correct temperature all the time. This regulator is equipped with the same large, reliable thermostat furnished with the Candee incubator.

Special Safety Feature The Candee is the only brooder which does not require opening the ash pit door to rake the fire. This means no chance for hot coals to fall on the floor or into the litter, and no chance for the building to catch fire.

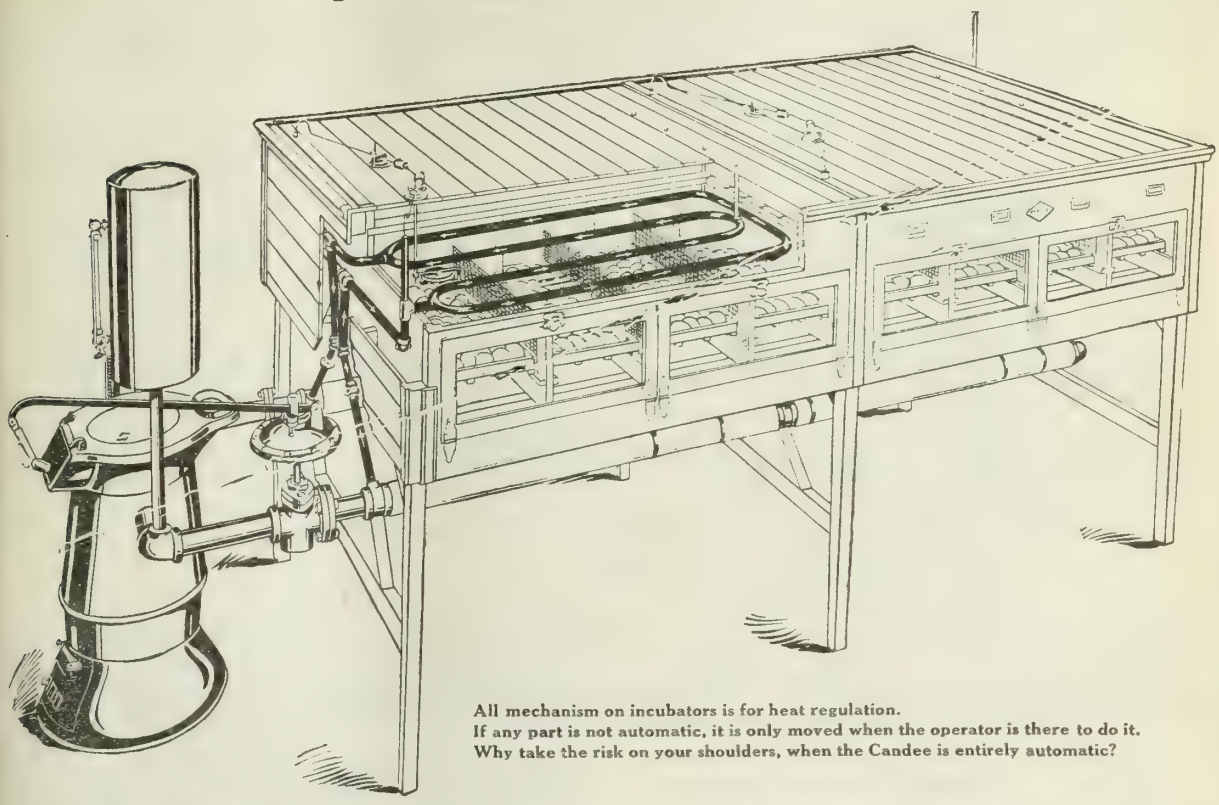
Easy to Get to the Heater The Candee brooder does not require removal of the hover to attend the heater and to clean around it. A large section of its hover swings out of the way easily, quickly, noiselessly and without frightening the chicks.

Guarantee And it is sold on the broad proposition: "Write Your Own Money-Back Guarantee."

Write today for handsomely illustrated circular and learn why you will increase your profits this season rearing your chicks with the Candee colony brooder.

Candee Incubator & Brooder Co., Dept. 2, Eastwood, N. Y.

We have cut the Candee open so you can admire its simple automatic heat control



All mechanism on incubators is for heat regulation.
If any part is not automatic, it is only moved when the operator is there to do it.
Why take the risk on your shoulders, when the Candee is entirely automatic?

Each Setting Has Its Automatic Control

Candee Fills Your Wants—Take the machine, illustrated above, with its four 300-egg compartments. Fill one compartment today, another in four or five days, the third in five days more and the fourth still five days later. Then the first hatch is coming off. This divides the work and you have four or five days in which to get your 300 eggs for a compartment.

Automatic Heat Control—Each setting has its own thermostat just above the eggs and each setting gets just the heat it needs for the length of time the eggs have been in.

Study the Picture—The main heat supply from the coal heater is under the machine. It is piped separately to each compartment radiator. Just outside the compartment is a simple, packless valve, worked automatically by the thermostat over the eggs. If no heat is needed, the thermostat keeps the valve closed and the eggs cannot be overheated.

Each Setting Separate—Any hot water used by any compartment goes directly back to the heater to be reheated—not into any other compartment. This makes each compartment a genuinely separate incubator.

Built in Sections—The Candee is shipped-all-built with radiators in place. Simply set it up on its legs and couple to the main underneath. Add extra sections any time.

Does Away with Oil—Coal is many times cheaper as well as safer. One heater is cared for quicker than a lamp. Does not taint the eggs nor give off fumes.

Heat Evenly Diffused—With the Candee radiator, the healthy hot water is evenly diffused over the trays. Fill the compartment with thermometers, if you wish, and they will register alike.

What the Operator Does—Adjust the thermostat at the start of a hatch and seldom touches it during the whole hatch. Room or weather changes, or high winds make no difference. The operator only looks at his Candee when the eggs needs attention. The thermostats at all times protect the eggs.

As You Would Build It—A simple, practical, safe incubator—unchanged in principle from the first Candee. More in use than all other mammoths combined. Tried out in every climate and from coast to coast. Always so successful that we make the broad proposition: "Write your own Money Back Guarantee."

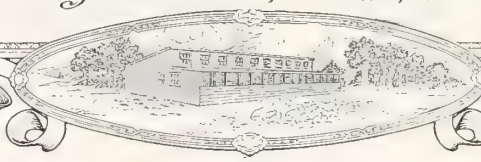
Quickly Pays for Itself—Use it for hatching baby chicks to sell to your neighbors and to do their hatching for them. Both are money-makers and bring you added revenue.

New Catalogue Just Out—The finest incubator catalogue ever issued—sent free. Just filled with facts as to what progressive poultrymen all over the country are doing. Hundreds of farms, East, West, North and South shown. Write today for your copy.

Candee Incubator & Brooder Co., Dept. 2, Eastwood, N. Y.

Pacific Coast Department

Conducted by H H Collier, Tacoma, Washington.



At the Chicago convention of the American Poultry Association I found a great big sentiment in favor of the organization meeting at San Francisco next year. The idea of the Pacific Coast poultrymen was to have the association meet at the time of the poultry show. This show will be held in November. In the executive meeting of the organization there was some difference of opinion as to the meeting. Those who have read the new constitution have learned that other than in emergencies the annual meeting will be held the second week in August. This is the week that has been selected by the poultryman for years. The executive committee finally recommended to the convention that in 1915 that the annual meeting be held any week after June 1. I cannot say that was the wording of the resolution, but it was words to that effect. The resolution was concurred in by the convention and it will be up to the members of the American Poultry Association to settle on the time and the place of the next annual meeting, and if I did not misjudge the sentiment at Chicago the next meeting will be held in San Francisco and the time will be in November, and we poultrymen of the coast promise a royal welcome to all who will come.

Talking with President Thompson and others about the trip, I invited all to take the northern route and visit Spokane, Tacoma, Seattle and Portland, Oregon, on their way out. I told Mr. Thompson that a special train could be arranged to start from Chicago, running through to San Francisco, stopping at the points named or any point of interest that the party might want to visit. At Mr. Thompson's suggestion, I took the matter up with the Chicago, Milwaukee & Puget Sound railway. I asked the agent here if such a special train could be gotten and how much of a party would be needed in order to have such a train and today I got my answer.

The Milwaukee will give a special train from Chicago to San Francisco, via the Northwest, with stopoffs at points of interest along the line, at a rate of $80.00 for the round trip. They will supply a full equipment of sleepers necessary to handle the party, a diner, observation and baggage car. On the baggage car they will print a good sign, giving the emblem of the American Poultry Association and telling what the train consists of. This train will be designated American Poultry Association "Special," and will be advertised all over the world.

In order to secure this train the members of the American Poultry Association will have to guarantee one hundred passengers and can have in their party two hundred passengers if they can

Golden and Silver Campines STOCK FOR SALE

bred from America's Champion Blue Ribbon Winners at Madison Square Garden, Boston and Baltimore. Write your needs for the show room. Exhibition Birds a Specialty.

E. F. DEAN - - - - WILLIAMSPORT, PA.

BYERS ORPINGTONS

BUFFS BLACKS WHITES

In all my experience judging Orpingtons at New York, Boston, St. Louis and Los Angeles, I have never handled better ones than I can and will supply this season. I can furnish quality to win above or any other shows as I have repeatedly furnished in the past. Lowest prices also named on the best layers possible in utility stock. All this is a natural result of my 15 years of consistent effort to improve the high standard of quality to meet the public demands of tomorrow instead of yesterday. Catalog free. Quotations by wire when necessary.

C. S. BYERS (Orpington Specialist 15 Years) HAZELRIGG, IND.

French's Poultry Mustard

The Original Poultry Mustard in America. Absolutely pure and prepared to produce most excellent results. Used and highly recommended by thousands of breeders, fanciers and practical poultrymen the world over.

Can Be Fed Any Time of the Year

Most satisfactory results have been obtained by its liberal and constant use. It stimulates and invigorates. It rebuilds and strengthens lost and waste tissues; It SHORTENS THE MOULTING PERIOD, and starts the hens laying. A fair trial will convince you of its worth. Avoid counterfeits and don't accept substitutes. Insist upon having **French's Poultry Mustard.** Buy it from your dealer, or send to us direct.

Our 32-page booklet giving Mr. Ralph Allen's experiments in England, together with other articles on Mustard and testimonials from prominent poultry raisers is sent free of charge for the asking. Write for this today. Address

The R. T. French Co. Department A **Rochester, N. Y.**

get that many to go on this special. A train like this would be one of the biggest things in the history of the American Poultry Association and would be seen by thousands of people. If the special is assured; the commercial bodies of Spokane, Seattle, Tacoma and Portland will entertain the party at each stop, giving them something to remember the rest of their lives. Our cities out here are alive to such things and if I can assure them that such a party will come, I know that none will ever regret their visit.

The special train will be run from Chicago to San Francisco without change of cars. At San Francisco the party will have any choice of route back home. They can go the Southern Pacific and visit New Orleans and Texas on their way home, or they can return via Salt Lake or Yellowstone Park. The Milwaukee railroad promises all kind of good things if the party should select their road and they say that anyone, it matters not whether they live in New York or Louisiana, can join the party at Chicago, provided that they see that their ticket reads over the Milwaukee and the northern route. In other words, Mr. Thompson himself could buy from New York to San Francisco over the special train.

I expect to be in San Francisco some time next spring and will look into the matter of accommodations in that city. A lot of people will without doubt stop in Oakland and go over to the city each day. Many of the people of the coast do that now, as Oakland is a most pleasant city in which to stop.

We are looking for a big attendance at the fair, despite the war, and the exposition will be one of the big things in history.

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Are the Greatest Achievement in Modern Barred Rock Breeding. They Are the Product of Over Thirty Years' Skill.



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Early Winning Show Birds

I now offer the finest early hatched exhibition birds I have ever produced—grand size and shape, fine heads, even clear blue color, and narrow clean cut vivid barring to the skin. They are matchless and ready to win prizes for you in any competition in the world. The prices are very reasonable.

My Imperial "Ringlet" Barred Rocks have demonstrated to all the world a distinctive superiority—they stand without a rival as the leading first prize winners at America's Imperial Show, Madison Square Garden, New York.

A Great Light on the Subject of New York Records

The Imperial "Ringlets," exhibited by me personally, have won at New York a grand total of **32 first prizes**—this is more than double the number ever won by any competitor—no other Barred Rock breeder in the world has ever won more than 13 first prizes in the entire history of the New York show—**mark the difference. Furthermore**—I am the only living Barred Rock breeder who has ever won all the regular and special prizes on pullets at a single New York Show, viz: **1st, 2d, 3d, 4th and 5th;** all the regular and special prizes on cockerels, viz: **1st, 2d, 3d, 4th and 5th** at one show; both Sweepstakes Champion Male and Sweepstakes Champion Female at one and the same show in Madison Square Garden.

These prizes mean something—they sweep away at one stroke all doubts and settle the question of the world's leadership.

(See my ad on back cover page for wonderful record at last winter's Madison Square Garden, 1913-14, Show. This achievement takes rank in history as the most wonderful ever recorded on Barred Rocks since the N. Y. Show was founded.)

If you want to win and breed winners you must have my Imperial "Ringlets"—the best is none too good for my customers. I will sell you grand exhibition birds for any show, and breeders of this richest first prize New York blood in elegant single birds, and trios and pens mated to produce winners.

Richly illustrated 70-page catalogue upon application—it is full of pictures of New York winners from life.

See my other ad on back cover page.

Address E. B. Thompson Lock Box 510, AMENIA, NEW YORK

The price of eggs in Seattle and Tacoma is now, October 12, 47 cents wholesale and eggs are very scarce. The hens on Puget Sound, owing to the extreme dry summer, have begun an early moult, in fact they will be earlier this season than I have known them to moult for years. We had 74 dry days this summer without rain, this dry weather started a lot of them to setting and they dropped their feathers very fast and all at once. I never saw them come out with a more even plumage. My Buff Rocks have the most even color in hens that I have had for years.

The Western Washington fair at Puyallup takes the banner this season for having the largest show in the state when it came to poultry. Puyallup is only eleven miles from Tacoma and Tacoma has about the best poultry association in the state. We have now near one hundred and seventy-five members. The Tacoma association gives its twenty-first annual show this season. The premium list is out for the Tacoma show and it contains a new wrinkle in this part of the country. A special class has been made for what is pleased to call a championship class. This class will be composed of the first, second and third prize winners of the shows held on and after August first. Washington has quite a bunch of fall fairs and a lot of early shows. These shows can nominate their winners in this class. An extra fee of one dollar per bird will be charged in the championship class and the money will be paid back in prizes of fifty per cent for first, thirty for second and twenty for third.

The dates for the Tacoma show are December 29 to January 2. Entries will close December 19. The premium list can be had by writing to James A. Caddey, Tacoma, Wash. W. S. Russell of Ottumwa, Iowa, will place the awards at Tacoma this year. Mr. Russell will make his home in San Francisco for the next few months. He has charge of the six months' display of poultry to be shown at the fair. He expects to have all of his entries in so as to be able to start that show in the early part of February. Many of the Northwest breeders will show a pen of birds with Mr. Russell and he expects to get a lot from the middle west and far east.

The Bantam men of the country are not at all satisfied with the Panama-Pacific Exposition's premium list as it discriminates against Bantams. One of the glaring things in this discrimination is the fact that it allows all varieties of standard bred poultry to exhibit on an equal plane except Bantams. The entry fee for each fowl is $1.50 and $5.00 is paid for first. Pens the entry fee is four dollars and ten dollars is paid for pens. The entry fee in Bantams is the same, but only $2.50 is paid for singles and only four dollars for pens. It is hardly fair to the Bantam men to ask them to pay four dollars entry fee on pens and only give four dollars for first premium. We hope that Mr. Lively, director of live stock, will see that the Bantam men's contention is right and raise the premiums on the beautiful little pets.

The state of Washington will duplicate all prizes won by the Washington poultry breeders. This will give the Washington winners ten dollars for first on cock, cockerel, hen and pullet and $20.00 for first pen. Washington will make a large exhibit and they hope to hold their own with the best that comes. You fellows who are afraid of distance must remember that the Washington birds must go nearly a thousand miles in order to reach San Francisco, and you poultrymen of the east and middle west will stand nearly as good show as we do in that respect. We want to see a large exhibit from the east, as we call everything east of the Rocky Mountains. We want to see New York and Illinois striving as hard to beat each other in San Francisco as they go at each other in Chicago and New York. If you come out and show better stuff than we raise here on the coast, you can sell it for enough profit to enable you to give your coops away, even if they are extra fancy ones that you provide for the special occasion.

Owing to the war, apples are very cheap out here and we have raised the largest crop for years. Washington Spitzenberg apples are about as good flavored as can be found anywhere. If it were not for the high express I would advise all of the poultrymen to buy their Christmas apples in Washington.

Bronze Turkeys America's proven champions. Best breeding stock and greatest prize-winners always for sale. Eggs in season. Catalog for stamp. BIRD BROS., Box C, MEYERSDALE, PA. **Partridge Rocks**



Jacobus Campine Bargain Sale

BREEDERS MUST GO TO MAKE ROOM FOR YOUNG STOCK

M. R. JACOBUS Original Introducer Box 3-J, RIDGEFIELD, N. J.

SINGLE COMB STERLING STRAIN ROSE COMB

RHODE ISLAND REDS

Grand Special Sale

300 choice hens, $1.50 each and up. Cocks, $3 and $5. 1000 grand youngsters forming into great style. Book orders now. All stock bred for heavy egg production. John Bressler, Prop. Harry B. Bressler, Mgr. STERLING POULTRY FARM, Box A, STERLING, ILL.

Special Sale of Choice Select Breeders

SHIPPED ON APPROVAL

on a most liberal and fair plan which absolutely insures you birds that will please. You take no risk. You are absolutely pleased or no sale.

MODERATE PRICES

50 White Plymouth Rocks 50 Barred Plymouth Rocks

50 White Wyandottes 50 R. C. Rhode Island Reds

These birds have all been carefully selected especially for this sale. They are good sized, good colored birds, farm reared, healthy, vigorous, and at the best age for breeding.

Good Birds sold on a plan that is really on approval. Handsome catalogue and full details free.

R. C. CALDWELL Box 1021, LYNDON, ROSS CO., OHIO

$1.06 A SQUARE FOOT—A BACK YARD PLANT.

BY H. L. SPOONER.

THE possibilities of a back yard poultry plant have been well demonstrated by E. W. Doak, of Delta County, Michigan. Mr. Doak is the commercial teacher in the local high school. Several years ago he became interested in poultry raising and by applying scientific methods has made an unprecedented success. In five and one half months he has cleared $1.06 a square foot from the land so used.

Mr. Doak's flock at present consists of eighty-five birds, there being twenty hens, one cock, and sixty-four young stock. They are all pure-bred White Wyandottes and are kept for three purposes—eggs, dressed meat, and breeding stock.



Partial view of Back Yard plant earning $1.06 a square foot.

In the five and a half months referred to, there were on an average 25 laying hens. These produced 2156 eggs worth 35 cents a dozen. 15 broilers were sold for $3, and one pen of six hens and a cock for $9. 214 chicks were raised, of which 138 were sold at twenty cents each when one day old. The banner egg month was March, in which 29 hens produced 519 eggs. All sales are made to private customers.

A variety of foods are used. They get whole oats, scratch food, dry mash, and green food daily. The dry mash consists of bran, ground oats, ground corn, beef scraps, alfalfa meal, and in winter, oil meal. The green food is usually lawn clippings in summer, and in winter mangels or rutabagas ground fine in a food chopper. In addition they get sprouted oats daily the year round. These are sprouted in a patent sprouter at a very low cost. They are fed all they will clean up. The food cost for the time mentioned was $30, including that fed to those on hand, and those sold.

Mr. Doak uses four 3x6 Philo coops and one 6x6 coop, an improvement on the Philo planned by himself. The coops are located in the back yard only a few feet from the house. Of the Philo coops, two are one story and the others two stories. In the two-story ones the lower story is used for scratching and has no floor. The sides are covered the whole length with one-inch poultry netting. A ladder reaches to the second story, up which the birds walk.

The second story has glass the whole length of the south side, the other side and ends being made of matched lumber. The roof is covered with roofing paper and is hinged so as to lift up. A tray, half of muslin and half of netting, covers the second story. The roof is kept open except in cold and stormy weather. The floor is covered with litter. A removable roost board is placed six inches above the floor. One nest is provided. A square hole for a ventilator is left in one end of each coop and covered with muslin summer and winter.

In 1912 Mr. Doak exhibited three pens at the Northern Michigan State Fair, receiving two first prizes and one second. In 1913 he also had three pens, receiving one first and two seconds. The cock which now heads the flock is a prize winner.

Mr. Doak cannot begin to supply the demand for eggs, dressed poultry, and day old chicks. His products have a good local reputation and their fame is spreading. He is recognized as an authority on poultry raising in his community and is frequently called on to talk at farmers' meetings. He says there are no secrets in the business, only an intelligent application of scientific methods.



White Wyandotte pullet laying at 5 months, 5 days old.

———o———

Frank E. Foy, who recently sold his poultry ranch near Des Moines, Iowa, for $75,000, according to report, has bought a piece of land at Lyons, Iowa, and will establish another ranch.

———o———

It's like missing your dinner to miss reading the editorial "What's Your Name."

A red hot one---right from the bat---and nobody out, on page 1290

Madison Square Garden, New York, Champion **White Plymouth Rocks**

Grand exhibition birds ready to win for you at late fairs and early winter shows. My birds have a record that is unbeatable. They have proven their quality and won highest awards and honors over all. **Remember this Champion Line** made its best records at America's Greatest Show, **Madison Sq. Garden, N. Y. They are now better than ever.** We have a great line of stock to select and fill orders with. They have the best of breeding quality and will give absolute satisfaction, also have some excellent utility stock for sale at reasonable prices. Write for my **Special Sales List of Stock.**

WEBSTER FARM Box A GIRARD, PENN.

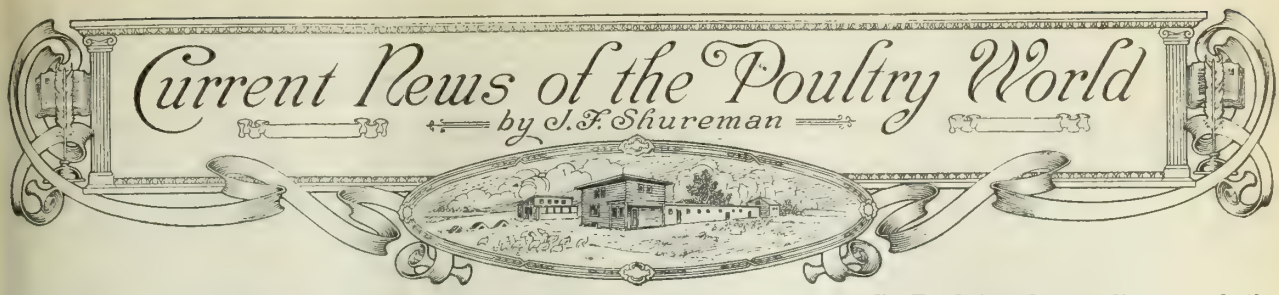
LICHTENWALTER'S QUALITY **Buff Plymouth Rocks**

For years they have won at the prominent shows, East and West, more prizes than any other line. They have the quality to win and to breed winners. Let me know your wants—I can please you in show birds or utility stock. Circular for the asking.

E. A. LICHTENWALTER Box A GIRARD, PENN.



A winning Buff Orpington pen that assisted in developing Byers Strain Orpingtons to their present recognized high standard of quality. Mr. Byers advises us that he is richly stocked in big finished birds for the early shows and early breeding. He has been a successful Orpington Specialist fifteen years. Address C. S. Byers, Hazelrigg, Indiana. Retouched Photo.



The value of the annual egg output of the state of Iowa is reported as $21,000,000. This is more than the annual output of the gold mines of Alaska. The poultry and egg crop of Iowa for a single year would buy 64,000 automobiles at $600 each, or an automobile for eac' thirty-four people in the state.

E. D. Powers, of Danville, Ill., claims to have perfected a strain of quackless ducks—or, perhaps, they might be called gobbleless turkeys. According to Mr. Powers, they are a cross between a duck and a turkey. The plumage of the male bird resembles that of a bronze turkey, while the plumage of the female resembles that of a duck. Both birds have duck bills that are narrow and ending in a sort of "snout" that is something new. They have web feet. The male bird is very large with long legs, while the female is smaller with short legs. They make efforts to quack, but can not make a noise. Next!

Of 12,000 ducks that had been hatched on the Huey Poultry Farm, near Vineland, N. J., 8,000 died within three days recently and no cause could be found. The theory is that a carload of feed had been fumigated in New York, before shipment, and that the chemicals used were responsible for the death of the ducks.

A Plymouth Rock hen belonging to John E. Wright, a farmer living near Sharpsville, Pa., lays eggs with tails about three-quarters of an inch long and as thick as a lead pencil. There is no shell on the tail part, it being covered with skin similar to that inside the egg.

Seventeen-year locusts have appeared in Ohio, coming out of the ground in great numbers. Turkey growers and poultrymen generally have found that there is nothing better for fattening fowls, and especially for the growing poults, and little other feed is being furnished the flocks in some parts of Ohio.

It is estimated that more than 250,000 roosters were marketed in Missouri on "Rooster Day," June 6. T. E. Quinsenberry, director of the State Experiment Station at Mountain Grove, estimates that the elimination of the male birds from the flocks of the state will mean an additional profit of from $1,000,000 to $3,000,000 for the farmers and poultrymen of the state because of the infertility of the eggs and its consequent better keeping qualities.

John Schmelzer, who for some time has been extensively engaged in the poultry business near Grand Rapids, Mich., has purchased a farm near Saginaw and will establish thereon the largest poultry plant in Michigan and one of the largest in the United States. It will be known as the Lily White Poultry Farm and 10,000 laying hens will be kept the year around, all S. C. White Leghorns.

The Tennessee State Fair can now boast of one of the best poultry exhibition buildings in the country. It is 250 feet long by 60 feet wide and is well lighted and ventilated. There are 135 permanent pens large enough to accommodate five birds each, and

A Record Unequalled

We have been telling you all season, we had more and better quality birds to sell this season than ever before. As a positive proof of this fact, our winnings at the recent **Great Cleveland, Iowa State, Michigan State and Indiana State Fairs** has been such that it has startled the Poultry Fraternity as never has such a record been equaled.

United Poultry Farms

INCORPORATED

COOK'S
ORPINGTONS
All varieties. 20 First Prizes, 6 Seconds, 1 Third.

WM. COOK & SONS
Originators
Scotch Plains, N. J.

U. R. FISHEL'S
WHITE PLYMOUTH ROCKS
19 First Prizes, 13 Seconds, 8 Thirds.

U. R. FISHEL
Hope, Indiana

BUSCHMANN-PIERCE RED FARMS
RHODE ISLAND REDS
Rose and S. C. 13 Firsts, 10 Seconds, 7 Thirds.

BUSCHMANN-PIERCE RED FARMS
825 State Life Bldg.
Indianapolis, Ind., or Hope, Ind.

J. C. FISHEL & SON
WHITE WYANDOTTES
16 First Prizes, 13 Seconds, 8 Thirds.

J. C. FISHEL & SON
Hope, Indiana

C. E. SPAUGH'S
BARRED PLYMOUTH ROCKS
13 First Prizes, 5 Seconds, 7 Thirds

UNITED POULTRY FARMS
Hope, Indiana

SINGLE COMB
WHITE LEGHORNS
Exhibited 4 Birds at Indiana State Fair. First Cockerel, Second Cock, Third Hen and Pullet.

White Runner Ducks
None Better

We exhibited no Reds at Cleveland, no Orpingtons at Iowa, no Leghorns at Michigan or Iowa. We exhibited a different string of birds at each Fair, proving the fact that we have more good birds than ever before.

In union there is strength and no where is it better proven than in the United Poultry Farms. Our savings in expenses is beyond expectation. We are therefore in positition to furnish you **Exhibition Birds, Selected Breeders, or the Best of Utility Fowls** at **greatly reduced prices.** Send for our **Sale Lists**—they are free. State variety you are interested in.

Our Service Department is in position to secure for you anything you want in **Fancy Poultry, Ornamental Birds, or Dogs.** A pleased customer every time has been our motto for the past thirty years. Write us your wants please.

ADDRESS BOX A, INDIVIDUAL FARMS, OR

SCOTCH PLAINS, N. J. **UNITED POULTRY FARMS, Inc.** HOPE, INDIANA

the regulation wire coops will be arranged down the center of the building. In the center is a large cement pool and fountain, which will accommodate a large number of ducks and other water fowl. The building is ready for the big fair to be held the coming fall.

South Carolina is to have an up-to-date poultry plant at its Agricultural and Mechanical College and will also have extension work in poultry. At a recent meeting the board of trustees of Clemson College created a poultry husbandry branch of the division of animal husbandry and appointed Frank C. Hare to teach poultry husbandry and look after the extension work. For some time Mr. Hare, who is one of the best known poultrymen in the country, has been junior animal husbandman in the United States Bureau of Animal Husbandry at Washington. He is an expert poultryman and will make good in his new position.

Muskogee, Okla., is to have a new poultry magazine to be known as the "Poultry Breeder." A company has been organized with a capital stock of $10,000 to promote the magazine, the incorporators being John D. Benedict, S. J. Anderson and C. J. Koepke, all of Muskogee.

Charles H. Shick, a wealthy poultry fancier of Burlington, Iowa, went to St. Louis the last week in May to purchase some fowls and has not been seen or heard from since. It is feared that he has met with foul play.

J. F. Root, who started into the poultry business at Grand Rapids, Mich., nine years ago without a dollar and who has been remarkably successful, has been engaged to take charge of the extensive poultry farm being established near Saginaw, Mich., by John Schmelzer, at a salary of $5,000 a year and a share of the profits of the farm.

The members of the State Association of Poultry Shows, recently launched in North Carolina, held a meeting in Greensboro in July and perfected the organization by adopting a constitution and by-laws and electing officers for the coming year as follows: President, Walter R. Byford, of Charlotte; vice-president, C. E. Coltran, of Greensboro; secretary-treasurer, J. T. Bland, of Raleigh. The primary objects of the association, as stated in the constitution, are to promote greater co-operation among the poultry associations of the state, to facilitate the purchasing of show-room supplies, and to arrange a satisfactory schedule of dates for the exhibitions so they will not conflict.

Seven "crazy" chickens on the poultry farm of David Clark, near Seymour, Ind., have been attracting considerable attention because of their queer antics. Their condition is due to an electrical shock received during a recent storm. They run around in circles, jump fences



The General says:-

The blue sky isn't a good roof for farm machinery. Roof your barn and machine shed with

Certain-teed

ROOFING

Guaranteed for 15 years and will last longer

There is no test by which you can know how long a roof will last. Your safeguard is the manufacturer's responsibility.

Your dealer can furnish *Certain-teed* Roofing in rolls and shingles—made by the General Roofing Mfg. Co., *world's largest roofing manufacturers.* East St. Louis, Ill., Marseilles, Ill., York, Pa.

A Better Brooder

FOR BIG FLOCKS



If you keep a flock of 250 to 1000 or more chicks you ought to know about the Prairie State Stove Brooder. It is adapted alike to the individual Colony House or to the long continuous house so extensively used on large farms. As evidence of its recognized superiority and dependability, we cite the fact that 40 of these stove brooders are already

Used on the Largest Poultry Farm in the U.S.

where they care for 25,000 chicks at one time. We shall be glad to give anyone interested more detailed information about the equipment of this farm. Prairie State Stove Brooders are substantial, serviceable, safe, economical and efficient. The stove is made of cast iron throughout with galvanized steel hinged canopy and hover curtain attached. It is automatically regulated—fire never goes out. Easy to operate—simply lift one-half of hinged canopy and pour coal in hopper. Consumes 7c worth of hard coal a day in average weather. Price complete, $30. Write for booklet. Also ask us to send you our Complete Catalog of Prairie State Incubators, Hovers and Colony Houses designed for every requirement and every purse.

PRAIRIE STATE INCUBATOR CO.

201 Main Street [12] Homer City, Penna.



A Regal strain White Wyandotte pullet with a record of 241 eggs in one year. Mr. Martin is making a specialty of breeding for egg production as well as for high-class exhibition qualities. The above illustration made from a retouched photo.

and pull off all kinds of "crazy" stunts, and if they keep on they will run themselves to death. They were in a coop under a tree that was hit by lightning. Twenty-eight were killed instantly.

Felix Brunot, a prominent poultryman living near Greensburg, Pa., claims that he has a flock of Plymouth Rock hens that lay eggs different from the ordinary eggs in that it takes them four weeks to hatch instead of three.

Ralph S. Connell, the "poultry king" of Tularosa, N. M., was shot from ambush and killed one day recently while riding along the road. Mr. Connell had a large poultry ranch near Tularosa.

The importation of Chinese eggs into the state of California is imperiling the egg industry, and Governor Hiram Johnson has set about to discuss the situation with the state officials and attorneys of the various poultry associations in the hope that some definite plan may be reached to conserve and protect a prosperous and important industry in California, now seriously threatened, and bringing the poultrymen of the state an annual revenue of $10,000,000. Governor Johnson will seek the co-operation of Governor West, of Oregon, and Governor Lister, of Washington.

Helena, Mont., is to have one of the largest poultry farms in the Northwest, to be located a short distance from the city. R. E. Alexander, of Helena, is back of the project and the buildings are already under way. Everything will be modern and egg production will be made a specialty.

Northern Kentucky farmers are waking up to the possibilities of intelligent poultry culture and a concerted effort is to be made to increase the poultry and egg production of that section of the state, and in fact the entire state. In 1909, according to the last Federal census, there were 8,000,000 chickens in Kentucky, with an estimated value of $4,000,000. These chickens produced $7,000,000 worth of eggs during the year 1909. An effort is to be made to increase the number of chickens and the egg production at least 50 per cent by December 31, 1915.

The ostrich farm established three years ago near El Paso, Texas, is proving a success and its promoters are well pleased with their venture. The long-legged birds have multiplied rapidly and a large quantity of beautiful and valuable feathers have been produced and shipped to the Eastern markets.

A report from Kentucky says that the turkey crop of the Bluegrass region is the largest and best for many years, on account not only of the dry weather of the early summer but also because the farmers have found turkeys to pay so well that many more are raised than ever before.

On August 31 John R. Calhoun, of Knoxville, Tenn., received a gift from his father, Dr. J. P. Calhoun, pastor of a Presbyterian church in Knoxville, in the shape of a title to what is reported to be the largest and most modern poultry farm in eastern Tennessee. It is the Woodland Poultry Farm,

S. C. ORPINGTONS Buff

SPECIAL SUMMER SALE—I will sell a number of my breeders, prize-winners included, at bargain prices. Write me your wants.

ROSELAND POULTRY FARM, CHAS. W. SWITZER, PROP., SO. EUCLID, O.

Chapman's Picking Frame revolutionizes the plucking of poultry. Saves half the labor. Keeps everything perfectly sanitary. Is adjustable for all sizes. The bird can be revolved in either direction. A special price for a 60 days' sale will be made on this picking frame, of $1, after which time the regular price of $2 will be charged. F. F. B. CHAPMAN, Winchester, Mass.

ZIMMERMAN'S R. C. REDS Winners at the Forest City Live Stock and Fair Co., August 20-27, 1914; 1st cock, 1st, 2nd and 4th hen, shape special on male and female. Choice breeding and exhibition stock for sale. Prices reasonable. Address W. F. ZIMMERMAN, Box 321, WILLOUGHBY, OHIO

METZLER'S HOUDANS

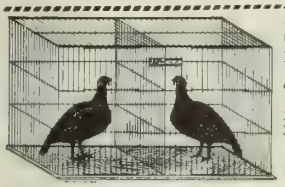
Choice breeding stock, young and old for sale at reasonable prices. Also exhibition stock from prize winners at Boston, Rochester, N. Y., Indianapolis, Ohio State Fair, etc. My guarantee protects you and assures you of a square deal. Satisfaction or money refunded. Write me your wants. Mating list on request.

J. L. METZLER - - - FINDLAY, OHIO

Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, half price now. Write for mating list.

Harry Cass -:- Buffalo Hart, Illinois



SENT BY PARCEL POST

Let us show you how we can send you these wonderful coops by Parcel Post, Delivered to your home for less money than you can purchase coops of inferior quality in your city.

We also make a specialty of benching shows on a rental or we will sell you the entire outfit. In any event get our prices and terms before placing your order. We can please you and save you money. Write for catalog.

KEIPPER COOPING COMPANY
1405 FIRST STREET MILWAUKEE, WIS

CAMPINES Silver Golden

BLUE RIBBON WINNERS

Our birds won four blues on four entries at the Ohio State Fair, first cock, first cockerel, first hen and first pullet.
We have a choice lot of young birds that are in prime condition for showing. Can furnish winners for any show in America. Prices reasonable. Satisfaction guaranteed.

SUSSEX Red, Speckled, Light and Brown

THE BEST IN AMERICA

We secured our foundation stock from England's oldest and most reliable Sussex breeder, who has won more cups and special prizes than all other breeders combined. From this stock we are raising a choice lot of youngsters that are showing the correct type and markings. A limited amount of this good stock for sale.

GENSEMER BROS. 151 Main St. CRESTON, OHIO

Silver Campines

AMERICAN BEAUTY STRAIN

I now have cockerels and pullets in prime condition for showing. They have that rich green sheen and bright, clean cut ringlet barring that everyone is trying to produce. My birds are the thoroughly cultivated product of Crystal Palace winners and won at leading shows last season. This season's crop of chicks is a wonderful advance over last season's, and will be sold at the following prices. Choice Breeders, $3 each; Extra High Class Breeders, $5 each; Exhibition Birds, $10 and $15 each. Circular free.

CHAS. A. SIMMONDS, Camp Point, Ill.

Felch Offers

The product of his breeding pens of 1914 in **Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes** that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts



Crockett's White Rocks

are bred to produce eggs. THEY DO IT! Here is an opportunity to secure

The Birds You've Been Looking For!

We have a few choice cockerels at $3.00 to $5.00 We also list pullets and breeders in circular No. 12. Write for it.

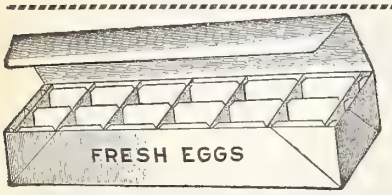
CROCKETT POULTRY FARM BRIDGMAN, MICH.



$$ In Mongrel Hens $$

I make each hen lay 210 eggs in 11 months either mongrel or straight-bred. Rocks, Reds, Wyandottes, Leghorns, etc. No matter what the breed you can get the eggs anywhere by giving proper care and feed. No fancy houses, expensive appliances, high priced feeds or egg dopes used. The most inexperienced are successful with my system. Send $1.00 for folder explaining everything. Money refunded if not satisfied.

H. H. Cummings **Warner, New Hampshire**



One Dozen Egg Boxes

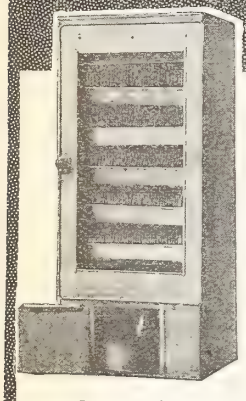
20 Different Grades

If you are interested, write to the manufacturers and pioneers of the folding paper egg box for catalog FREE.

THE A. O. CRAWFORD COMPANY, INC.,
Established 1885 South Weymouth, Mass.

Green Feed for Winter

Make Every Hen a Layer



The Banner Oats Sprouter gives your poultry succulent feed the year round. It's the silo of the poultry world. Made of rust-proof 28-gauge galvanized iron. Lamp fully protected; can't cause fire.

This is a solid substantial sprouter that will last a life-time. Nothing to wear out, break or get out of shape.

BANNER OATS SPROUTER

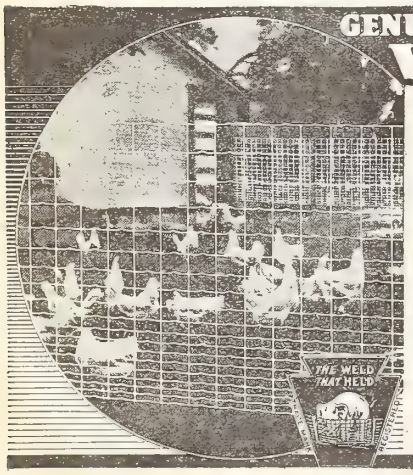
Not a piece of wood in its construction. All galvanized iron lined with asbestos. Retains heat and moisture. Trays can't rot. Double strength glass doors afford light and force quick growth. Guaranteed against defective material and workmanship.

Our special price of $6.00 makes this the big bargain of the year. Pays for itself several times over by increased production of eggs. Chickens lay in summer because they get green feed. Feed them green stuff from the Banner Sprouter and you will produce winter layers.

Complete line of feeders, fountains, chick markers, metal nests. Everything for the poultry raiser at low factory prices guaranteed.

Write for **Free Catalog and Egg Record.**

The Smith Specialty Co., 218 Bird Bldg., Mansfield, Ohio



GENUINE DOUBLE GALVANIZED WIRE FENCING

"Pittsburgh Perfect" Poultry Fences outlast "cheap" fences or netting by years, yet costs no more. Easy to erect. Fewer posts needed. No top or bottom boards required. 31 different designs, heights and weights. Absolutely protects the smallest chickens, as well as the largest, from prowling, destructive animals.

"PITTSBURGH PERFECT"

Poultry and Garden Fences

are made of tough, strong, durable Open Hearth Wire, GENUINELY DOUBLE GALVANIZED by our new, exclusive process. All joints WELDED BY ELECTRICITY. The best looking, most effective and economical fencing made. EVERY ROD GUARANTEED.

Sold by dealers everywhere

Write for new, FREE Catalogue No. P 39

Pittsburgh Steel Co., Pittsburgh, Pa.

New York Chicago Duluth St. Louis Memphis Dallas

known as "the Eckel Egg Farm," and is located near Morristown, Tenn. The elder Mr. Calhoun purchased the farm and presented it to his son that the young man might spend his time out of doors, his health requiring outdoor life. Fred D. Smith, who has successfully managed the farm for several years, will remain with Mr. Calhoun as superintendent.

There is a prospect that H. A. Nourse, of St. Paul, and others may start an incubator factory at St. Peter, Minn., for the manufacture of a new type incubator invented and patented by Mr. Nourse. An effort is being made to start a stock company.

"*Poultry Pointers*," a monthly publication devoted to poultry raising and for seven years published at Kalamazoo, Mich., has been sold by the proprietors, W. L. Losinger and R. C. Saunders, to the publishers of the Grand Rapids News, and hereafter the magazine will be issued from the News office. Mr. Saunders will remain with the publication as business manager.

Mrs. Clara Colwell, of Smith Center, Kan., furnishes a good illustration of what may be done in poultry raising on a five-acre tract. She makes a specialty of selling baby chicks and during the past season sold and shipped 13,000 of the little fellows to almost every section of the country. She is a widow with two small children, does all the work herself and makes more clear money annually than do many men who work twice as hard.

John D. Rockefeller has recently donated $1,000,000 additional to the Rockefeller Institute for Medical Research for a department of animal pathology. The work will be under the direction of Dr. Thebald Smith and special attention will be given to the study of poultry diseases, their causes and cures.

Joe Hilldorfer, the well-known poultryman of Pittsburgh, Pa., has just completed four new 100-foot laying houses and expects to take care of 4,000 laying hens the coming winter. This will give Mr. Hilldorfer one of the largest egg farms in the state. George Norman, late of England, is managing the farm and is said to be one of the most capable poultrymen in this country.

Lee Whitehead has sold his famous poultry farm at Mt. Pinson, Ala., to a Mr. H. M. Horton and others for $25,000 cash. The farm has limited acreage, but the buildings and equipment are said to be the most modern, most expensive and most complete in the state.

In a section of New York state extensive plans are being made to develop the poultry interests through the cooperation of the rural schools, the Ithaca Business Men's Association and the New York State College of Agriculture. A course of poultry lectures is to be given in thirty-five or more centrally located places within a radius of thirty miles of Ithaca. Boys and girls and their parents are to be invited to assemble and listen to the lectures.

Francis O. Megargee, a poultryman of world-wide fame, died at his home at

Dunmore, Pa., early in September. Mr. Megargee, who was fifty-two years of age, had been in the paper manufacturing business all his life. Poultry culture was his pet hobby and birds of his breeding won scores of blue ribbons at shows throughout the country. "Lady Washington," the $12,000 Black Orpington hen, that created a sensation in the poultry world a few years ago, was owned by Mr. Megargee. He was a busy man, but never too busy to take a few minutes to "talk chicken."

Miss Virginia Pearl Moore, state agent for Tennessee for girls' poultry clubs, states that she will not accept the appointment as state agent for the states of Maine and New Hampshire, but will continue her work in Tennessee. Her headquarters have been removed from Nashville to the University of Tennessee.

Miss Sophia Pitchlynn, the Choctaw Indian princess, who for a number of years has made her home in Washington, D. C., and who has gained world-wide fame as a breeder of S. C. Brown Leghorns, is going to devote the balance of her life to the work of teaching Indian children to raise chickens. Her plan is to take her entire flock to Oklahoma and start a school near Ardmore, giving the Indian children, and older people as well, instruction in poultry culture. Miss Pitchlynn is a daughter of Peter P. Pitchlynn, a chief of the Choctaws, who headed the first expedition which left Mississippi and went to dwell in what is now Oklahoma. For years he ruled his people. He was an intimate friend of General Grant and his political duties took him to Washington often. After his death the two children, Sophia and Lee, made their home in Washington. After years spent at the national capital, Princess Sophia will now return to Oklahoma to instruct her people in poultry culture.

Nine poultry journals, formerly published in different Southern states, have been consolidated and will be published as one paper at Louisville, Ky., by the Blair-Young Publishing Company. The name of the magazine will be "*The Industrious Hen*," that being the name of the oldest of the nine consolidated papers.

The season is here when we should do some very close culling. Anything that shows any serious defects should be discarded, and give the feed and room that they occupy to the better quality birds. It surely don't pay to keep a lot of culls around and feed all fall. Get rid of them.

IMPORTANT.

In answering advertisements our subscribers should take particular pains to write their names and addresses plainly and make it plain just what way they desire their goods shipped. This will prevent delays, errors and misunderstandings. In all cases please mention American Poultry Journal.

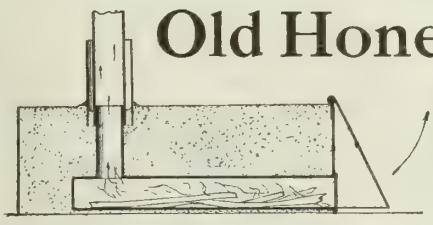
"The Fowl the Market Wants"
in November 7th issue of
THE COUNTRY GENTLEMAN
The farm weekly that is different. 5 cents the copy at all news dealers. $1.50 the year by mail.
THE CURTIS PUBLISHING COMPANY
Independence Sqaure Philadelphia, Pa.

ABERNETHY'S HOUDANS
Won First Hen and First Pen at the great Houdan display, Boston, 1914. They have the correct color, shape and crest. Why not try them? Young and old stock, for show birds or breeders.
JAS. ABERNETHY - High St., WEST PEMBROKE, ME.

MIAMI POULTRY YARDS
will sell cockerels and pullets from seven leading varieties during the rest of the season
JOSEPH L. HESTON, Mgr. TRENTON, OHIO

URBAN FARMS
Pine Ridge, Buffalo, N.Y.
Prize-winning Black Langshans, White Plymouth Rocks, Anconas, Houdans, Silver Campines, Mottled Javas, Black Tailed White Japanese Bantams, Mille Fleurs.
Mating List for 1914 on Application

Premier White Wyandottes
"The Kind You'll Eventually Buy"
Champions at the Madison Square of Canada, Guelph, 1913. Best cockerel and pullet. $50.00 Silver Cup for best cock, hen, cockerel and pullet. $50.00 Bullock Memorial for the best display. More regular and special prizes than my nearest five competitors combined, and my win on females (140 entries) was simply phenomenal, viz., 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th and 9th.
SID SAUNDERS Box A INGERSOLL, CAN.
SEC.-TREAS. and LIFE MEMBER CANADIAN WHITE WYANDOTTE CLUB

Old Honesty Heaters

for sale. Something new. Just what poultrymen need to get Winter eggs and keep hens healthy. A heater that it pays to have, and operates very economically. They are excellent to raise chicks. Booklet Free.
Old Honesty Heater Co.
Dept. A New Washington, Ohio



My world-famed layer, whose daughters are also making good.
BRED-TO-LAY
BARRED PLYMOUTH ROCKS
If interested in a strain that **Fills the Egg Basket**, I can supply you.
1200 choice breeders at $2.00 and $3.00 each. A superb lot of pedigreed stock from high record hens, $5.00 each.
O. F. MITTENDORFF, Box F, LINCOLN, ILLINOIS

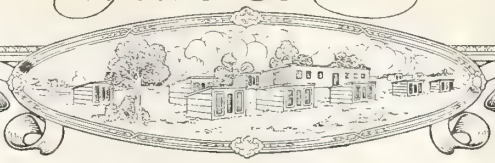
DEMGAR'S S. C. WH. ORPINGTONS
Leading Winners at New York State Fair, 1914
Our birds win again at the largest and best fall show, against the most noted breeders. Cockerels, 1st and 2nd; Cock, 4th and 5th; Hen, 3rd; Pullet, 4th; Young Pen, 2nd, 3rd and 4th; Old Pen, 2nd and 4th; 2nd Display, etc. A large and fine lot of youngsters to sell, also some choice yearling Breeders. Write. Satisfaction assured.
MR. and MRS. P. A. DEMGAR, Props. BROWN STATION, N. Y.

Men Like Quisenberry Tell How
Sent Free


RED COMB POULTRY FEED
To Make Your Flock Pay
FIVE great poultry experts, Quisenberry, Linton, Purvis, Horner and Heck—have just written a book for us. Each one handles a special subject. The book treats of the feeding of poultry for every purpose—egg production, the development of chickens for market or the show. The book cost us a considerable sum. But we will send it free for your name on a postal.
Book shows money making advantage of feeding a *scientifically* balanced ration—tells you about Red Comb Meat Mash, the great egg maker. Red Comb chick feeds and Red Comb Poultry Feeds. Red Comb is not a by-product. It is ground of the finest quality whole grains and mixed by experts. Yet you can buy Red Comb cheaper than you can buy and mix the materials yourself. Ask the Red Comb dealer in your community.
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EDWARDS & LOOMIS CO.
342C No. Elizabeth Street, Chicago, Ill.
Also Manufacturers of the famous RED HORN line of Dairy Feeds.

Chick Chats

by H. P. Schwab



If this glorious weather lasts, the country will be beautiful in November.

* * *

Fall shows are over and, without exception, we believe they were larger and more successful than ever before. Old birds were noted in good feather, and the young fully matured and of select quality.

* * *

Now for the Winter shows, beginning with Williamsport, Pa., Nov. 16-21, and ending with the great Madison Square Garden, New York, show, Feb. 12th to 17th, gives a well-spread season and an opportunity for all.

* * *

Nothing succeeds like success, and if you wish to have success show your birds. To exhibit your stock is the start in the career of every breeder; all have traveled that road and the sooner you get on the way the quicker you will arrive, if success is in you.

* * *

The Greater Buffalo show to be held Nov. 23d to 28th will be the one and only Buffalo show this year, with Mr. W. C. Denny as secretary. This will be one of the exhibits that should be on your list.

* * *

Then comes the Palace New York show on Dec. 1st to 5th, with Mr. L. D. Howell, Mineola, N. Y., secretary. This will, no doubt, be one of the greatest shows ever held, for this year they will have two floors, the upper one devoted entirely to utility and practical displays. Their list of judges is a long and very good one.

* * *

The New York Garden show, Boston, Chicago, Pittsburg, Indianapolis, Philadelphia, Baltimore, etc., are fixtures, with dates announced. The breeder has a long list to select from.

* * *

Pumpkin Time.

How the autumn leaves are falling
And the chilling breezes blow,
And the clouds that sail above us
Tell of ice and sleet and snow;
Yet the children all are happy,
Singing many a cheery rhyme,—
Need you ask of me the reason?
Boys and girls, 'tis pumpkin time!

Here they come with song and laughter,
Merry elves with face aglow!
Each one, from small, chubby fingers,
Swings a pumpkin to and fro.
As you look across the corn-field,
Smiling fairies may be seen;—
Need you ask of me the reason?
Boys and girls, 'tis Hallowe'en!

* * *

The judges' licensing question will not down. By this time it must be evident that it is not settled right. Our proposition for the judges to organize a strong association of their own has met with some favor, and I have been asked to announce a call for a meeting at the Palace New York show on Wednesday, Dec. 2nd, at 4 p. m.

* * *

The "Order of the Flea" will also have a meeting at this show at 8 p. m. on Dec. 2nd, when the three new degrees will be worked for the first time on Brother Herman Schemmerhorn.

Boys, you are all wrong; you, Billy and John, and even the Doctor and Drev, for there is nothing serious in the air that I know of. Most of you fellows are too serious all the time, so I just poke a little light stuff on you and the readers to push away the gloom. You may bet that these Chats are not the last thing read in the A. P. J., either.

* * *

From now until late in the spring we expect to be on the road most of the time making the shows and visiting poultrymen and their plants. If we can serve you in any way, please write and tell us and we will try and arrange for an early call.

* * *

The Ontario Winter Provincial Fair will be held at Guelph, Ont., December 5 to 10, 1914. This is the big winter show of Canada to which we have often referred. It is a great show, worthy of Canada, and we would like to see more of our American breeders exhibiting there. The judges are: All Plymouth Rocks except White and all R. I. Reds, H. P. Schwab; White Wyandottes, Orpingtons and Anconas, Richard Oke; all other Wyandottes, James Tucker; Leghorns, Geo. Henderson; Brahmas, Houdans, Minorcas and White Rocks, George Robinson; Cochins, Langshans, Javas, etc., Joseph Bennett; Hamburgs, Campines, etc., Wm. McNeil; Games and Game Bantams, W. C. Baldwin; Polish, Turkeys and Water fowl, L. G. Jarvis; Ornamentals, William Barber.

SCHWAB'S NONPAREIL **BARRED PLYMOUTH ROCKS**

Line Bred Since 1883 — **Winners at America's Leading Shows Since 1885**

Extraordinary Reduction Sale of Stock and Eggs

EGGS FROM GRANDEST MATINGS

Now at $3.00 per setting, $5.00 for two settings or five settings for $10. Our Descriptive Mating List tells all about every mating we have. Send for it. The December and January winners will be hatched in June and July. Our usual guarantee goes with this sale. Don't miss this. Send for Mating List today.

SELECTED BREEDERS FOR SALE

We now offer for sale half our own females and several males, all used by us this year. Females at $3.00, $4.00 and $5.00 each—worth two and three times that. Males, including breeders and those held in reserve, from $5.00 up. Mated trios and pens a specialty. Don't miss this opportunity.

Our Latest Win at the New York Palace Show, December, 1913

We won with 213 birds competing of the usual **New York Quality: First Prize Hen and Sweepstake Championship, Special Medal for Best Hen in the Entire Show,** Special for Best Shaped Female, Special for **Best Female in American class, Second Cock, Second Cockerel,** Fifth Pullet, **Special First** Pullet-Bred Pen, **Special Second Cockerel-Bred** Pen, Special Second Pullet-Bred Cock and Third Cockerel, Special First Cockerel-bred Hen, Special First Cockerel-bred Pullet, **Spratt's Silver Cup** for Best Exhibit, Special champion female, etc.

SCHWAB BROS., Box 451, IRONDEQUOIT, N. Y.

The poultry department of the Trenton Fair was a delight to all exhibitors and visitors. Grand quality was seen beautifully displayed. The classes of White Rocks, White Wyandottes, Reds, Leghorns, etc., were large and strong, with birds well shown. Superintendent Harvey E. Rogers deserves great credit, and we hope the management will give him a new and larger building for the future. This should be one of our greatest early shows. The location is ideal, and Mr. Rogers can make it one of the very best if given the opportunity.

* * *

We were particularly pleased to meet Scotty Bowers at Allentown. There is but one of this kind now in captivity and he promises things for the great Hagerstown show.

* * *

Maiden—What sort of a hat did Genevieve Gotham wear?

Man—A simple thing—just a gardenia in front and a gol-darn-yer behind.

* * *

Deacon Hewes has been pretty good of late; in fact, ever since the A. P. A. meeting. What means this?

* * *

President J. C. Punderford, of the Certified Farms Company, New York, has been displaying his foods and incubators, etc., at the various fairs, and reports a heavy demand for their goods.

* * *

The poultry business is looming up fine and evidently a good season is ahead. The demand for good stock never was better, nor was the stock any better than is to be had this season. Confidence in the business is what helps and will make good.

* * *

Just now the eyes of the poultry world are on Williamsport, Pa., for this show will after judging day open its doors free to the public and invite them to enter and to inspect its exhibit, which for years has been the big early show of the seasons. They have introduced many features in the past, but this one looks particularly good and assures a record attendance, which should make it a better selling show than ever.

* * *

They are still at it in Europe seven days of the week, while Peace Sunday was observed all over the world except where its observance was most needed.

* * *

Teacher—Johnny, what is the name of the city where peace is promoted?

Johnny—Reno, ma'am.

* * *

Have just arrived at Hagerstown Fair, which is the "greatest ever," with 7,579 birds shown. This surpasses all former records. The great building is almost filled to capacity and at this rate of increase a new addition will soon be needed. The entries are from all sections of the country, the quality evidently very good, classes well balanced, and all is intense interest as the judges are working.

* * *

Hagerstown promises to have a catalogue of entries next year, sure. Not having one now will delay our report until next month.

* * *

Scotty the "Prince" is on hand making everybody happy and working overtime.

WYSOCKI'S SILVER CAMPINES

MRS. J. WYSOCKI 431 LaFayette St., AURORA, ILL.

HOUDANS

The "Famous Jimcrack Strain" have won and have produced winners at our largest shows for years. Their records at Toronto, the Ontario Winter Fair, Boston, etc., prove their quality. Stock and eggs for sale. Write for circular. HARRY TAYLOR, 82 Howard Park Ave., Toronto, Ontario, Can.

Wyckoff's S. C. W. Leghorns

Acknowledged everywhere the World's greatest laying strain. Unequalled in Standard qualities

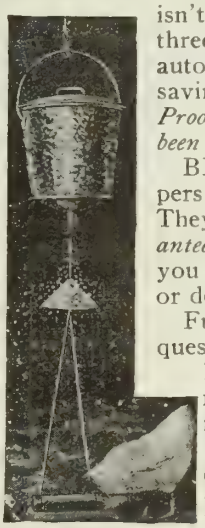
2,000 head of breeding stock for sale, including yearling Hens and Cocks and hundreds of strong, vigorous, early-hatched **free farm range reared** Cockerels and Pullets. Place your order early, and do not be one of the hundreds that we are obliged to disappoint each season. Remember that we are the originators and for over 30 years specialty breeders of the justly celebrated "Wyckoff" Strain of S. C. White Leghorns, the most profitable strain of poultry in America today. Catalogue free.

C. H. Wyckoff & Son - Aurora, Cayuga Co., N. Y.

BLUE HEN POULTRY FEEDERS MAKE MONEY FOR YOU

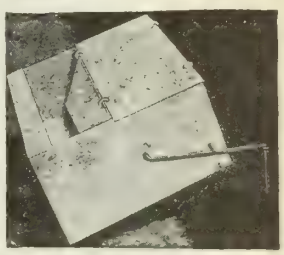
$1.50 at dealers or delivered prepaid

If you are not using BLUE HEN automatic grain feeders and non-clogging dry mash hoppers, you are wasting valuable time and lowering the efficiency of your layers. It isn't necessary to feed your birds three or four times each day. Use automatic feeders and fill them once a week, thus saving much time and increasing your egg yield. *Proof! The highest laying competition records have been made under this plan of feeding.*



BLUE HEN Automatic Feeders and Mash Hoppers are new in principle and infallible in action. They have large capacity, are carefully made, *guaranteed to give perfect satisfaction* and sold at a price you can afford to pay. $1.50 each, at your dealers or delivered by us.

Full information on request. We will show you how to secure greater returns from your flock, regardless of its size.



Place your order today. Cut your expenses; increase your income. Let *results* convince you.

"YOUR MONEY BACK IF YOU WANT IT"

This is the guarantee behind all BLUE HEN products. Demand poultry equipment and supplies bearing the BLUE HEN trademark. BLUE HEN Colony Brooders, Mammoth Incubators, Mash Hoppers, Automatic Feeders, Nursery Chick Food and Remedies will never fail you. Our money-back guarantee protects you absolutely.

BLUE HEN TRADE MARK

We will gladly send you our complete catalog, and will include—without charge—our new poultry textbook, "The Handbook of Brooding". The latter is the most practical and helpful thing of its kind. Better ask for your copy at once!

WATSON MANUFACTURING CO.

Drawer 21 Lancaster, Penna.

The poultrymen's banquet was the largest ever held here. Unusual honors were paid Hon. G. O. Brown and Wm. B. Atherton by seating them with the ladies at their request.

* * *

The orators were limited to three-minute talks and many were heard to advantage, while one editor transgressed and purloined twelve minutes, much to the discomfiture of those present.

* * *

Mr. Len Rawnsley, of the Rawnsley-Shields Co., Columbus, O., won with his first prize Buff Orpington cockerel the sweepstake cup for best male at the show, a deserving honor to a most magnificent specimen.

* * *

The Philadelphia, Pa., Poultry Show will be held Dec. 15th to 19th, with the prospects better than ever for a big and successful exhibit. For all particulars address F. E. Gilbert, secretary, 603 Lippincott Building, Philadelphia, Pa.

* * *

The loss sustained by John W. Ward, Jr., Pennington, N. J., by having his string of Dark Cornish suffocated on their way to the Allentown fair is most irreparable. Careless handling and crowding of coops in express cars has caused the loss of many valuable birds in the past, but none more valuable or regretted than this. Won't these common carriers ever learn?

Drinking Fountains

Protect your fowls from their own contamination and supply them with fresh, pure water at all times. We have these fountains in all sizes. Prices, from 15 cents for quart size to $2.25 for 4-gallon size. Sold under positive guarantee of money refunded if not satisfied. Send for catalogue today.

SIMPLEX SUPPLY HOUSE, Pontiax Building, CHICAGO, ILLINOIS

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Send for FREE 96-page book. Advice free. Terms reasonable. Highest references. Best results. Send sketch or model for FREE search. Recommended Patent Lawyer in the Banker's Register **and special list of selected lawyers.** Also in Martindale's Law Directory, Sharp & Alleman's Directory of Lawyers The Gast-Paul Directory of Lawyers, and Kime's International Law Directory.

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Large List of Inventions Wanted, FREE.

A large list of strong recommendations furnished free.

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A Purpose and a Promise

The Purpose:

Your success in the poultry industry is almost wholly dependent upon economical buying. We have established "The Poultryman's Exchange" with but one purpose in view. We will supply poultry breeders everywhere with the best obtainable feeds, equipment, appliances, breeding stock, day-old chicks, eggs for hatching, and, in fact, everything required by any poultry breeder, at the lowest possible price, quality considered.

The Promise:

A Square Deal

Our organization consists of some of the foremost poultrymen in the country. Men who have made success for themselves, who know the best for every need, and who are ready to back their judgment with their reputations. We have an iron-clad guarantee which goes with every order, large or small. We are proud of our organization and the goods we sell. We have some interesting literature for you. Write for it, telling us in what you are interested.

CERTIFIED FARMS COMPANY
INCORPORATED
Room 214 126 West 59th Street New York

J. COURTNEY PUNDERFORD, Pres. CHAS. J. FISK, Treas.
G. V. BAILLARD, Gen'l Sales Mgr.
(formerly with Hall Mammoth Incubator Co.)

The Cheapest and Most Useful Green Feed.

That green food should be supplied as a regular article of diet to fowls during the fall and winter months, when they are not able to secure it for themselves, seems to be not yet realized by a great many poultry raisers. We all know that the fowls enjoy the best of health and are most productive during the spring and summer months when plenty of green stuff is available. In other words, to secure the greatest benefits from our flocks during the cold months is to provide for them as nearly as possible spring feeding conditions.

Now, let us see how we can best secure these conditions for our hens.

In the first place, the fowls should be housed as comfortably as possible, keeping them free from any drafts during the night, and protect them as much as possible from the cold north winds. By all means keep the hens out of the snow during intense cold weather nor let them wade around in slushy, snow-covered puddles. Hens with frost-bitten or cold feet will not lay. A scratching pen in which the floor is well covered with dried leaves, straw or wheat chaffing, where the fowls can exercise during very cold and damp days, is the best protection from cold weather. On such cold days be sure and have the chill from the drinking water removed. Grit, charcoal and shells should, of course, not be overlooked. Feed wheat in the morning and half wheat and half corn in the evening.

Last, but not least, some green stuff must be given them for best results. There is no better green feed than sprouted oats. It can be produced at the lowest cost with the help of an oat sprouter, which you find advertised in this journal. These machines require little attention, are clean to handle and can be operated anywhere in the house. Such a sprouter, especially the metal one, will last for many years.

The sprouted or predigested grain is not only of the utmost advantage in maintaining the hens' health, but the succulent sweet sprouts, having also absorbed the strength and nourishment of the grain, are also very conducive to the increased production of eggs, and that at a time when eggs are highest in price. When given liberally the feeding of solid grain can be reduced, and thereby greatly reducing the cost of feeding, a point not to be disregarded; especially by those who have to buy all their grain.

So remember, that if you want eggs feed green stuff, and for green feed there is nothing better and cheaper than sprouted oats.

After you read the editorial "Give Us Your Ideas" don't put it off but write at once.

MECHANICAL INJURY CAUSES GREAT LOSS TO EGG INDUSTRY.

MECHANICAL injury to eggs, due to rough handling, causes a great loss to the egg industry every year, as well as a food loss to the consumers. Eggs that are completely wrecked (and termed "mashed," in commerce) are not only worthless themselves but they soil a number of eggs, otherwise good. When the shell is so broken that the contents are escaping the egg is termed a "leaker."

Another class of eggs which have a technical term applied to them because of mechanical injury are the "checks." "Checks" are eggs, the membranes of which are intact but with cracked shells. The egg industry has to contend with an enormous number of these. If the crack or defect is visible only when the egg is held before a candle or when it is gently tapped against another sound egg it is called a "blind check." This tapping of one egg against another is called "clicking" by the egg men.

"Leakers" are thrown out at every stage of handling. The country merchant usually throws them away when he discovers them, as do the egg peddler and the city retailer. They therefore constitute a total loss. "Checks" are sure to rot quickly when on the market, for they are ready prey for any mold or germs that may chance to fall into the crack. They are usually disposed of as soon as possible and are likely to be found in greater numbers in markets near a section producing eggs. If found at a distance from a producing section a cracked egg is more than likely to be of very low quality. However, there are plenty of "checks" which are fresh and above reproach except for the damaged shell, but they must be handled carefully and rushed to the consumer as quickly as possible.

The egg with a dirty shell is one of the most objectionable factors of the egg industry. However, it must be remembered that outer filth is not conclusive evidence that the contents of the eggs are infected. Of course if eggs have shells that are cracked as well as dirty they may well be regarded with suspicion.

The great drawback in the case of dirty-shell eggs is that they bring a lower price in the market although the egg may be large and its contents fresh. Eggs with dirty shells do not store well. They are, therefore, not available for holding when the surplus production is great and when the market can secure more "clean" eggs than it needs. Often they scarcely pay the expense of marketing.

When shells are stained, as well as dirty, there is an indication that water as well as filth has come in contact with the egg shell, and such eggs when stale are often infested with bacteria that have gone through the pores of the shell. Stains can not usually be washed off. Eggs that are to be kept should never be washed, as water will remove the natural coating that protects the contents of the egg.

The highest percentage of dirty-shell eggs occurs during wet spring weather. Since they do not keep well a large number find their way to egg-breaking establishments, as do the cracked eggs that are termed "checks."

The egg dealer encounters enough unfavorable conditions resulting from bad weather without those that result from rough handling and mechanical injury. When warm weather prevails eggs go stale and many of them show what is termed "heat." This means that the yolk rises in the shell and is flattened, and the white becomes thinner than normal, while the air space in the egg increases in size. In the fertile egg the change goes further, for the egg begins to hatch.

What the commercial trade terms a "weak" egg or a "watery egg" is merely a stale one which has usually suffered rough handling. The result is that the white is frequently thin and the membrane lining of the egg proper has become so loosened that the latter rattles around loosely when the egg is turned. In the late summer and autumn when the hens are not laying, and country merchants are withholding stocks for high prices in the future, such eggs form a very large proportion of the current receipts of the city market.

S. C. WHITE LEGHORNS

Selected breeding cockerels and cocks, $1.50, $2 and $3. Laying pullets, $1.50 and $1.75. LAYING BRED.

Joseph Stenz & Son **Fond du Lac, Wisconsin**

Get Eggs 5c a Bird

all the time. Have a QUICK moult. SAVE beef scrap. PRESCRIPTION No. 4 does the work. 1 lb 25 cents, 5 lbs. $1.00 and your money back if not satisfied. Agents wanted. builds a NEW poultry house EVERY year, ANY size, and RAT proof. BE PROGRESSIVE. Circulars free. Stamps appreciated.

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300 PULLETS

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Special Quotation We offer to the WISE a wonderful opportunity to secure pullets of good breeding—all splendid layers—at the following sale: prices; Single pullets, $4 each. In lots of 25 or more, $3.50 each. Cockerels that would mate well with these pullets, $5 each. Order quickly, for every bird will soon be taken.

Exhibition Birds Ready Our cockerels and pullets have reached grand development. Should win in any show. Place reservation order now. Birds conditioned free and shipped direct to show if desired.

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Have won thousands of cups, diplomas and specials, and besides have proven that they are **the best breed for flesh and eggs.** Can't be beaten. They mature early, and are of great size, beauty and stamina. Our large beautiful catalog—describing our exhibition stock and particulars regarding the special sale of pullets, free on request. Write for both, TODAY.

SUNSWICK POULTRY FARM, Rufus Delafield. Owner, **Box J, So. Plainfield, N. J.**

Wilburtha POULTRY FARMS

Announcement

Mr. Charles J. Fisk, owner, announces the following new managership of Wilburtha Poultry Farms:

General Supt., Mr. Geo. Kerr, formerly Superintendent of Dune Alpin Farm, East Hampton, Long Island. As a breeder of Leghorns, Mr. Kerr has no peer. He is to take personal charge of the prize-winning S. C. White and Buff Leghorns at Wilburtha and the entire lot of prize winners which he brought with him from Dune Alpin.

Specialist on Columbian Plymouth Rocks and Columbian Wyandottes, Mr. D. G. Keyler, formerly with Mr. C. D. Cleveland, Sunnybrook Farm, Eatontown, N. J. Mr. Keyler enjoys a national reputation with these breeds, and his taking charge of our birds, with their great records at the biggest shows, bodes a tremendous future for Wilburtha.

Incubating and Brooding—in charge of Mr. Thos. Lockwood, formerly Superintendent Monmouth Farms, Freneau, N. J. He has been highly successful in this line. With the very best equipment and the very best man obtainable, we can promise our customers a custom hatching service that can't be equalled.

Wilburtha's ever increasing winnings at the Palace, Madison Square Garden, and other big shows, are thus to be utilized for still greater achievement. We are positive that no better management exists or could exist than we now have, and Wilburtha's splendid record for giving the best that money can buy and for fair and honest dealing, will now be guarded with redoubled vigor. If you are now, or will be, in the market for breeders, utility birds, chicks or eggs, table eggs or broilers, Wilburtha strains of Columbian Plymouth Rocks, Columbian Wyandottes, and S. C. Buff and White Leghorns, will furnish you the best there are in the world.

An additional announcement is that concerning our beautiful new catalog, about to be issued. Send in your name for a copy, *today*.

Wilburtha Poultry Farms, Box J, Trenton Junction, N. J.

Buy one of these 5 and 10 Acre LITTLE FARMS IN VALLEY OF VIRGINIA.

Specially selected desirable location, Richland Heights in Shenandoah Valley. 5 and 10 acre tracts, $250.00 and up, easy terms--good fruit, vegetable, poultry and live stock country. Be independent. Send your name for literature.

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Every Poultry Raiser Needs

TOM BARRON'S OWN BOOK

Tom Barron is the world's greatest breeder of heavy-laying hens. His birds have consistently won leading honors in public egg-laying competitions in America, England and Australia, making wonderful records. No other breeder has ever succeeded in producing such a large proportion of

200-Egg Hens

In his new book, written by himself, and fully illustrated, he tells in his own words just how he breeds, rears, houses, feeds and conditions his marvelous layers. Every poultryman needs this great book NOW, in order to learn how to get more eggs and bigger profits. It tells fully and plainly the whole secret of Barron's great success and how **you** can secure the same results.

Price, $1, by mail. Order today.

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Wendell's SANITARY POULTRY SUPPLIES
INCUBATORS, BROODERS, NON-FREEZING FOUNTAINS, FEEDERS, OAT SPROUTERS AND 60 MORE LABOR SAVING ARTICLES FOR THE PRACTICAL POULTRY MAN
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AN EGG IS 73% WATER

Your Hen
Must have warm water in the winter

This fountain will warm the water and keep the grain warm, it also will keep the frost out of a small sized hen house. We have FIRELESS FOUNTAINS that keep the water warm without a lamp. get our FREE BOOK HOW TO GET EGGS IN WINTER.

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Your Hens Must Pay This Winter

IN these times of high prices for all kinds of meat the poultryman simply must make his hens pay. All kinds of poultry feed are high in price and must be made to bring the maximum in returns. There is no one best poultry food. Many are good singly and in combination, but the *very best results* come from feeding *roots* and *vegetables* in combination with other foods Roots and vegetables are cheap and thereby reduce the feed bill while adding to its value.

Banner Root Cutters

prepare roots and vegetables of all kinds faster and better than it can be done in any other way. Send for free illustrated booklet and make the hens pay this winter. Address

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EVERYBODY CAN CANDLE EGGS.

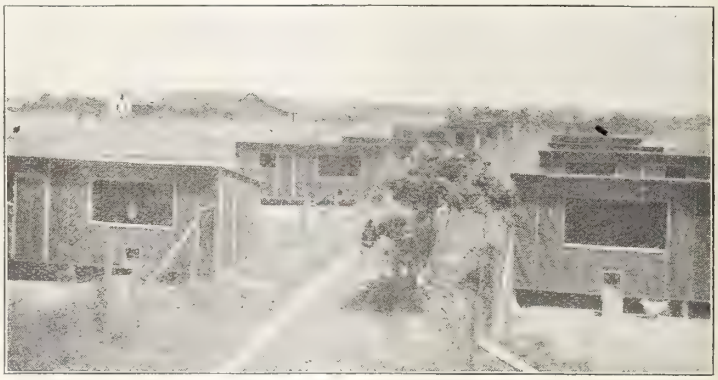
TO ENABLE farmers and housewives to test eggs before a candle and tell accurately their condition before they are opened, the Department of Agriculture has published a colored egg-candling chart. To give a true picture of the eggs, twelve impressions were necessary to produce this lithographed chart.

This chart shows the eggs in their natural size as they appear before a candle, and also as they look when open in a glass saucer. The pictures include an absolutely fresh egg, slightly stale eggs, decidedly stale eggs, eggs with yolks sticking to the shell, eggs where the chicken has developed so far that blood has been formed, moldy eggs, addled eggs, and eggs with a green white.

Comparatively few housewives are aware that a green color in the white of eggs is due to the presence of billions and billions of a certain species of bacteria that make a green coloring matter. Eggs with this greenish tint, even though the yolks seem to be perfect, are not fit for food.

As long as the department's supply lasts, these charts will be furnished free upon application to the Editor and Chief, Division of Publications. Commercial shippers of eggs, however, should apply for Departmental Bulletin 51, a technical paper on testing by scientific methods not available to the average farmer. This bulletin includes the colored illustrations. This chart alone will be found to be not merely of great service to the housewife wishing to test the eggs she is to serve to her own family, but also of commercial value to farmers, country merchants, or egg shippers who wish to buy and handle eggs on an accurate quality basis.

The great spoilage of eggs in this country is due to bad handling and is quite unnecessary. Part of the remedy is to teach everybody, from the farmer to the consumer, how to tell the quality of an egg without breaking the shell. The country buyers, the middlemen and the housewife judge of the quality of the inside of a cucumber or an eggplant, or any other vegetable, by the appearance of the outside and the firmness of its texture. It is not possible to tell the quality of an egg by looking at the shell, though it is safe to say that the eggs with shiny shells are apt to be aged. A fresh egg looks as though it had been dusted with a very fine powder; the "bloom," as the egg men say. But in order to know what is inside the shell the egg must be held in front of a strong light—such as an electric bulb furnishes—which comes through a hole about one and one-quarter inches in diameter. The room must be dark. When the egg is held close against the hole the bright light renders its contents visible, and the quality is indicated by the appearance of the yolk, the white and the air space at the blunt end. There are many egg "candles" on the market, but the housewife can easily make one for herself by cutting a hole in a small pasteboard box, which is slipped over an electric light bulb. If gas or an oil lamp is the source of light, a tin box or can should be used.



A view of a portion of Crockett Poultry Farm, Bridgman, Mich., showing a few of the breeding houses.

STRAIN Light Brahmas

Quality stock to select from. Won First Pen Madison Sq. Garden.
E. J. STROUD - Fordham Farm - BELMAR, N. J.

Single Comb White Leghorns
SUPREME QUALITY UNSURPASSED VALUE

If you desire them get in touch with us. We are about to break up our matings and will have several hundred Leghorn hens for sale. Our prices are right—our treatment exact. Correspondence solicited.

Spring Water Poultry Farm, Frank J. Eppele, Prop., R. F. D. No. 1 Stockton, N. J.

sed to broiler or laying age 22 chick-, two of the others dying and the ier four disappearing.

Fourteen of this lot of 22 were pul- s and the first one laid on July 23 and ee on the 24th. The first to lay was White Orpington and she laid 24 eggs hout a break, then was broody for ht days, and has laid nearly every y since. They weigh from six to seven . The next chickens were not hatched til May 12th and three and one-half nths later one of this lot weighed five . and fifteen days later six lbs. and ny of the other cockerels were over lbs. weight at four months old. I de all these chickens work for all their atch feed in deep litter; keep dry sh in hoppers before them after the st six weeks and gave them unlimited eds from the garden. Of the May tched chicks I raised 81 out of 83. I getting 52c for eggs and 30c for ultry, and although feed is high I l that the seventy pullets I intend to nter will pay me for all I have spent their production.

RALPH A. KEYES.

st Providence, R. I.

JNIOR AMERICAN POULTRY CLUB.

HE Jr. A. P. C. is the only one of its kind in America. It is not exclusively a boy's club, for we welme girls and young women just as adly.

We urge all you young breeders and nciers to join our club because in this y your interests will be closely guarded d promoted in every possible way. ien, too, you may compete for the tb's cups, gold and silver medals, ribns, etc., and receive free of charge all e club's publications, through which u learn of all the club's doings and ep posted on the new poultry ventures e world over.

You will have a voice in shaping the rse and policy of the club, in electg officers, and formulating plans for rk. The annual membership fee for ive members is $1, for life members and for honorary members $5, with other dues for life. In addition to ese, there is a Board of Patrons comsed of 20 men and women influential the poultry world, who will advise l lead the young people to wholesome l helpful lives. "To become a mem- of this board, it is necessary to give 5 to the club and receive the approval the executive committee."

It is with great pleasure that the club nounces the appointment of Mr. Maur- F. Delano, proprietor of Owen rms, Vineyard Haven, Mass., as presit of the present Board of Patrons. e appreciate what the older breeders America and Europe are doing for —as well as the poultry papers and gazines of the country, but we make appeal to everyone who reads this, give us their support as largely as posle by offering prizes, becoming honor- members, serving on the Board, giv- advertisements for our bulletin and r books and thus help us grow into lub that will exert an influence for d all over America. We need your p to do this.

A copy of the Annual Year Book is sent e to all members, but will be on sale the secretary's office for 50c—worth ce the price to anyone interested in ltry. The book contains some beau- l illustrations and many splendid articles from noted poultry breeders in America and England, including Miss S. Carey, Mr. U. R. Fishel, Lynn Townsend, Duncan McCullock, Jr., and others. There is not a large supply and all who want a copy of this—the finest book of its kind ever published by a poultry club—should order at once. It has the history, past and present, of the club and also what it hopes for the future.

To learn more about our club, we urge you to write for information and application blanks to Elbert E. Lawrence, Sec.-Treas. of Jr. A. P. C., Craig, Mo.

In the "Poultry Item" of Sellersville, Pa. (which is the club's official organ), the secretary conducts a department each month concerning the happenings of the club and matters of importance to all interested in the club's welfare. A year's subscription to this paper is only 50c and worth double the price to any poultry raiser.

In closing, I urge the parents to cooperate with us. To those who appreciate home life, the home circle and all it stands for, who would teach the youngsters, early, how to find their pleasures right at home, I say, interest them now in the raising of standard bred poultry.

Getting Rid of Mites.

ON page 1147 of the September AMERICAN POULTRY JOURNAL is given a mode for getting rid of mites, which, no doubt, is good and efficient.

For over twenty years I have used the following method for that purpose with entire success and satisfaction. I have the roost perches lie loosely in gains cut in bearing rails screwed to the walls of the hen house. On the under edge of the perch bars I have grooves for nesting and hiding places for the accommodation of the mites. This is to prevent them from going to the walls for breeding grounds. Now, unless the premises are litterly overrun with mites, they will all be found in the grooves on the underside of the perches. Remove the perches to an open place outside. Pour kerosene the length of the perch. Stand it on end and hold a lighted match to the lower end. The blaze will flash to the upper end of the perch and out for want of fuel without in the least injuring the perch. This done once a week for three or four weeks will make a clean sweep of the mites. The object

Lyman's S. C. White Orpingtons

We have old birds well along in molt, and young stock ready to win at your fall fair. Write

A. F. LYMAN - - - - - - - - BREMEN, OHIO

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American Poultry Journal, 542 South Dearborn St., Chicago, Ill.

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More wonderfull in size, type and color than ever. They are bred from my Chicago winners. If you have some show in mind and need a good cock, cockerel, hen or pullet let me figure with you. Satisfaction guaranteed. F. M. FARRANT, 745 Prairie Ave., Kalamazoo, Mich

Single Comb White Leghorns Exclusively

D. W. Young strain, 2500 breeders on free farm range choice cocks, cockerels and yearling hens for sale. My Book "Profits in Poultry Keeping Solved" shows where the money is. Circular Free.
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QUALITY WHITE PLYMOUTH ROCKS

Have proven their quality again that they are the right kind to have, at the Indiana State Fair they won 2 Cock; 2 Cockerel; 2-3 young pen; 2 old pen, with U. R. Fishel and others, with over 100 White Rocks in class. Write us your wants: we are able to supply you.

F. L. DEER R. R. No. 1 FRANKLIN, IND.

PALMER'S WHITE ROCKS

A few extra fine yearling cocks at half price, $8 and $10 each. They have produced our best youngsters this season. Large, chalk white, long bodied beauties. Remember we return your money if not satisfied. Mention American Poultry Journal when writing.

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December 7-12, 1914, at Bayonne, New Jersey

Will be one of the greatest shows ever held in New Jersey. Send for premium list at once. Judges—Louis Paul Graham, Fred Huyler and Louis G. Heller.

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Everything for Poultry Keepers

A friend and guide for poultry raisers. Tells you just what to do under all circumstances. Helps you over all the difficult places. Insures you the richest success. 244 pages—7½x10 inches—of money-making facts.

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Poultry Keeping in All Branches

Written by poultry experts. Based on actual experiences on Cyphers $75,000 Poultry and Demonstration Farm. Send for this book today. Apply its rules, suggestions and discoveries to your poultry business and make this your banner year.

See That List of Poultry Supplies?

Cyphers Company 1914 book describes, shows pictures and gives prices on every poultry need. Each article carries Cyphers warranty and is guaranteed to give satisfaction.

Ask us to send with the 1914 book our two valuable books, "Poultry Foods and Feeding" and "Cyphers Company Doctor Book." The Doctor book is new. Informs you instantly the name of any disease and the remedy. Don't wait until your fowls are sick. Be prepared, get this book, save money. We will send all three together *free of charge.* Write today.

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Powder Guns
Wire Fencing
Bone Cutters
Chick Markers
Bone Mills
Root Cutters
Nest Eggs
Poultry Books
Etc., Etc.

in screwing the bearing bars to the walls is that if found necessary they may be readily removed and blazed off. This, however, is seldom necessary as the mites remain on the perches as long as they find sufficient room there.

J. R. LITTLE,
Quincy, Ill.

—o—

Famous English Poultry Farms Enter Panama-Pacific International Exposition Egg-Laying Contest.

ENTRIES in the Panama-Pacific International Egg-Laying Contest, conducted by the live stock department of the Exposition, have been received from Edward Cam, of Houghton, England; Frank Toulmin, of Ingel, Lancs., England, and from the Utility Poultry Farm of Haighton, Ribbleton, Preston, England, of which Alfred Parkinson is the owner. These entries, which consist each of one pen of not less than ten pullets, pure bred and of the same variety, will represent the White Leghorn and the Single Comb White Leghorn strains.

The contest opens on November 1st, 1914, and continues for twelve full months. The birds will all be under the direct supervision and management of the poultry division of the College of the University of California.

Mr. I. D. Graham, Assistant Chief of the Department of Live Stock, who, under D. O. Lively, Chief, is handling the details of the contest, has set out in response to requests more than 35,000 copies of the rules of the competition. Inquiries have been received from all parts of the world indicating that this is to be the greatest international egg-laying contest ever held.

As having a direct bearing upon the high cost of living and the problem of reducing the present cost of production of the necessities of life it is universally recognized that the chief value of egg-laying contests lies in the fact that they are a direct means of increasing the egg-laying qualities of the different breeds and also of bringing about the ability to produce eggs at very early ages. In one of the experimental stations in the United States, where egg-laying contests have been conducted for a number of years, it has been demonstrated that among all varieties, without exception, the first pullets which have begun to lay have come from the highest laying hens. The same authority has proved by previous experiments that no large producing

THE GREAT LEGHORN FARM

Eggs half price after May 10. Fine birds for sale in Fall for show purposes.
Henderson & Billings, St. Marys, Ont., Can.

VARIETY LEADERS IN TWO EGG CONTESTS
S. C. BUFF ORPINGTONS

Breeders and Young Stock now on sale.
CHERRY LANE FARM CO., Box 148, OAK HILL, W. VA.

Christmas Post Cards FREE

Send me two 2c stamps and I'll send you 10 beautiful Christmas Cards and tell you about my big surprise.
E. T. Meredith, 711 Success Bld., Des Moines, Iowa

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A galvanized iron trap door 11x12 inches can be fitted to any style of open nest or nest box in a few moments. Simple, durable and absolutely reliable 35c each, or three doors for $1. Sent postpaid into the fourth parcel post zone from Milwaukee. Send for free circular anyway.

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3209 McKinley Blvd. Milwaukee, Wis.

hen or early laying pullet ever came from poor parentage.

Cases are on record where birds have been developed through these egg-laying contests which have begun laying at four months and careful selection and breeding has already resulted in producing strains of the different varieties which are not far from the 200 egg mark, once set as the limit beyond which no hen could go. In individual cases this large figure has long since been passed and the continuation of egg-laying contests and the breeding methods necessary to record production is rapidly developing strains in all varieties capable of both heavy production and of early laying. Valuable trophies and cash prizes are offered by the Panama-Pacific International Exposition and by the private organizations as special prizes.

Announcement has been made that the International Poultry Exposition, which has been held for the past three years at Atlantic City, on the famous Board Walk, will be brought to San Francisco in 1915, and will be located on the ground of the Live Stock department of the Panama-Pacific International Exposition, thus adding another attractive feature to the program that is making the exposition the center of interest for the live stock and poultry world for 1915.

W. S. Russell, of Ottumwa, Iowa, has arranged with the Chief of the Department of Live Stock, Panama-Pacific International Exposition, San Francisco, whereby he will promote and conduct a display and sales department for poultry.

A continuous educational exhibit of pens of poultry will be maintained outdoors in the "View Flocks" department, free to the public during the entire period from January 20th to September 20th, 1915.

This will afford the visiting millions of the world an opportunity to study the characteristics of the different varieties.

Oats sprouted in a simple, small box "that leaks" water is the solution of the green food question as it affects laying hens, which Mrs. Donald Salter, 1721 Grand boulevard, has devised for her flock of three dozen. The sprouter consists of three small crates about 10 by 20 inches in area and two inches deep, such as are used for shipping cherries—these and nothing more. No wire screen, no burlap mat, no special heat is required. Into one of these boxes Mrs. Salter places a layer of good oats half an inch deep, and holds it under the warm water faucet over her sink until the oats are soaked. The surplus water runs out. She repeats this process, never using hot water, as often during the day as her household duties permit, and then places it conveniently out of the way in her kitchen. In three or four days the oats begin to sprout, grow rapidly and in two weeks are tender and delicious for the noon feed. When the first box is well sprouted she fills another, and by the time the first is ready for use the third is started. The heat of the kitchen is sufficient for growth, and an occasional sunning in the window, as one suns the geraniums. The hens eat it greedily and they need it. Mrs. Salter has solved the question of a sprouter so far as the one-lot enthusiast is concerned.



SILVER CAMPINE HEN.

Prize-winning hen at Coliseum, Chicago, 1912; dam of many prize-winners. Owned and exhibited by Frank E. Hering, South Bend, Ind. Made from retouched photo.

Cock Bird Lame.

Q. I have a yearling male that suddenly went lame. He can use leg to certain extent in walking around, but will not put weight on it. There seem to be no bones broken in any part, nor is there any swelling or discoloration. I have him penned up in a coop with the ailing leg well bandaged. Have kept the bandage pretty well saturated with liniment but cannot see any improvement in condition. J. H. M.

Sterling, Colo.

A. Examination of the bird would be necessary to diagnose this case. It may be due to injury to leg, but it is just as likely to be due to tenderness in abdominal region from some other cause. Would give the bird one-fourth of a teaspoonful of epsom salts in two tablespoonfuls of water, would keep him quiet and wait developments. It will be just as well to remove the bandage now if you have not already done so. Ten days is usually a broken bone and it will take several days for him to get used to being without long enough to bandage fowl in case of out a bandage. It is often difficult to determine how much value to give to a "limp" in animals. We have had birds limp for a day or two after being banded with a loose leg band and when there was nothing whatever the matter with them.

While nest eggs have nothing to do with increased egg production, they have a good mission in teaching the hens to lay in certain places, instead of dropping their eggs any and everywhere.

Tom Barron S. C. W. Leghorns

S. C. White Leghorn Cockerels FOR SALE. Bred from 248 to 260 egg hens direct from Tom Barron at $2.50 and up. Also American bred S. C. White Leghorn, Barred Plymouth Rock, and R. C. Rhode Island Red Pullets, $1.50 each and up. Also S. C. White Leghorn hens, $1.50 each.

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W. H. Cochran, Jr., Mgr. R. F. D. 2, Mt. Kisco, N. Y.

The Schwalge System

By this method one man earned $1125.00 in four months, using 4 hours time per day. It tells how, with an investment of $200, you can earn $648 in 5 months if you can give 1 hour per day.

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A fine lot of Cockerels for sale. Bred from Washington and Baltimore prize winners. Exhibition birds a specialty.

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Columbian Wyandottes

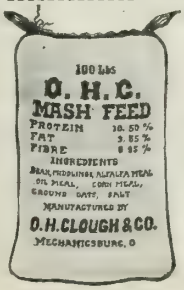
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Geo. A. Kersten Washburn Park, Minneapolis, Minn.

Walker's Barred Rocks

are well known winners in the best shows both for me and my customers. Our young birds are the best we ever raised and can furnish birds bred in the same line as our Chicago, Springfield and Davenport winners. Have won the State Cup for 3 years in succession at Springfield. Write us your wants. Shipped on approval always. Mention American Poultry Journal.

G. A. Walker Polo, Illinois



More Eggs—More Chicks Raised—Lowest Feed Cost

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Name _____

Address _____

Associations and Shows

Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department

Memphis Holds Great Show.

The show of the Tri-State Poultry Association at Memphis, September 26 to October 3, will go down into the history of the association as being the greatest one held to date. For years Memphis has been noted as a quality show, a show free from hucksters and carload men and it has for this reason drawn the exhibits of some of the foremost fanciers of the United States. The remarkable quality and quantity shown this year is due to the energetic work of the secretary, Martin F. Schultes, and the valuable assistance of the members of the Tri-State Poultry Association, especially the work of Mr. McMillan and Mr. Bejach, was responsible to a great extent for the fine exhibit.

There were close to 2,700 birds entered, Barred Rocks, Rhode Island Reds and White Leghorns forming the largest classes. The S. C. White Leghorn class was as large and as good as any we have seen at this time of the year. There were fully 350 birds exhibited, 34 pens and 180 singles. The first prize cockerel owned by Mr. O. B. Andrews of Chattanooga, Tenn., stood head and shoulders above every bird in the show and was a runner-up as champion bird of the entire show. Mr. Andrews' "Efficiency Strain" is known throughout the South as the leading strain and captured also the honors in the Barred Rock class, having won champion cockerel and other prizes.

In the Black Minorca class which was very hotly contested Mr. Charles G. Pape, despite the fact that nine of his birds arrived dead, captured the leading honors. His first prize cock was champion cock bird of the show also. Mr. Pape has been winning down at Memphis for years and the words Charles G. Pape "of course" wins first again has become so to say a by-word among the judges and exhibitors.

The White Wyandotte class showed a number of fine birds. In the White Rocks, W. J. Brinkley, Iuka, Miss., won the leading honors. The birds were in good condition and handled by Mr. Jolly, formerly with the Studebaker Farms, South Bend, Ind.

The Orpingtons were out in good numbers and Mrs. Reginald Stonestreet of Nashville, Tenn., was the leading exhibitor and winner. Mrs. Stonestreet's birds showed fine type and remarkable color and were worthy of the honors.

The exhibit of turkeys, ducks and geese were extraordinary for quality. The Pekins and Buff ducks showed fine standard requirements. Bourbon Red turkeys fine in color and type. Bantams shown by Mrs. Forbes of Decatur, Ala., won easily.

The association offered hundreds of fine cups and other premiums and the exhibition was a credit to the state. Judges E. C. Branch, Carl Carter and yours truly handled the classes to the satisfaction of all exhibitors and we all were of the opinion that the exhibition and the quality of the birds was remarkable for this time of the year.—L. A. Stahmer.

Think It Over—Anyway.

The Chicago Poultry Breeders' Association will hold their Second Annual Exhibition in the International Amphitheater, Union Stock Yards, Chicago, Ill., January 14 to 20, 1915.

This hall is without a doubt one of the best, if not the best, natural lighted exhibition buildings in America. Unlimited floor space.

This show promises to be one of the best in the country. This is the Official American Poultry Association (Illinois Branch) Show, where the Gold Medal for Champion Cockerel, Silver Medals, Diplomas, etc., are offered. Numerous National and State meets of various clubs will meet here. From past experience this show has proved a wonderful asset to breeders as a selling point.

Our judges: D. E. Hale, Earl Hemenway, Calvin Ott, Frank Conway, Joe Dagle, Joe Coleman, E. M. Quay and Chas. McClave. Premium list now ready. Entries close December 28, 1914. Arthur E. Lemieux, secretary, 4537 N. St. Louis Ave., Chicago, Ill.

Show at Goshen, Indiana.

Every poultry association speaks in glowing terms of the number of special premiums they are offering, of the large cash prizes they pay, what a nice, large hall they have for their exhibit, the advertising value of a winning made at their show and of the capable judges they engage, etc. The Goshen boys offer all these inducements, but their strongest and best boast is the courtesy and fair treatment they extend to every outside exhibitor. We realize that the ultimate success of our show depends on securing exhibitors who will be with us from year to year and know when they show at Goshen, whether they attend in person or not, that their birds will receive every prize they are entitled to. Every officer of the association will fight for fair treatment. We want friendly rivalry. The best bird must win.

Our premium list is now ready for mailing. We are giving silver cups galore. Come and win one or more. Attend in person if you possibly can. We will try and show you a good time. Write today for a copy of our premium list. It will be sent you promptly. Address either W. H. Schadt, president, or A. A. Kryder, secretary, Goshen, Indiana. Don't forget the dates, December 8-12.

Brookfield, Illinois, Show.

December 3 will see the opening of the First Annual Poultry Show of the Brookfield Fanciers' Association. It is a new association and only breeders living in Brookfield will be allowed to enter birds. Several cash prizes will be offered besides a number of specials.

Judging from the amount of hustling they are doing we predict a high class show with numerous entries and a large attendance. The show will be held in the large village hall, which assures exhibitors and spectators plenty of room. For further information address A. L. Judson, Brookfield, Illinois.

The Greater Buffalo Show.

In October issue Buffalo was mentioned as one of the cities holding two poultry shows this season. A letter from George Urban, Jr., states that the International Show slated for January 11 to 16, 1915, will not be held, and that the only big poultry show to be held in Buffalo this season is the Greater Buffalo Poultry Show during Thanksgiving week. The entries for the Buffalo show close November 10.

The Partridge Rock Club will hold their New Jersey State meet at Asbury Park during the week of November 25-29, 1914.



"Halbach's Pride," 1914 Cockerel, unretouched Photograph.

WHITE PLYMOUTH ROCKS

America's Leading Winning Strain

There is no strain of White Plymouth Rocks in America that can show a better all-around show or egg record than Halbach's. For years it has been winning in the hands of my customers in some of the leading shows of America. My great record at Chicago during the last five years is an unbroken line of successes and will stand supreme for years to come. Right now I have the greatest lot of youngsters for sale I have ever bred. They have show quality and the egg laying habit bred into the bone and will make good in either line. I am sure they cannot be duplicated anywhere for the money I am asking for them and if you are in the market it will pay you to send 20 cents for my big catalogue No. 2 which gives full information of my farm, my methods and prices.

H. W. Halbach, Specialist, Box 1, Waterford, Wisconsin

The former president of the Rhode Island White Club of America, Carl D. McCarthy, having sold his entire flock of Rhode Island Whites and quit the poultry business, has resigned and Edmond E. Field of Hasbrouck Heights, N. J., has been appointed to fill the unexpired term. Mr. Field is a thorough-going chicken man, a natural-born fancier, which together with his good stock of common sense and business ability, we believe will add new life to the club. For any information desired in regard to this club write the secretary, Mrs. C. M. Vertrees, Cecilia, Ky.

The American Buttercup Club desires to call your attention to the fact that it has made a change in the ribbons it is offering to its members and instead of the ribbons offered in the club catalogue, it offers the following: Ribbons for best shaped male and female, best colored male and female, and best male and female comb, six ribbons in all, at all shows held between the dates of November 1 and March 1 of the show season.—G. A. Williams, Secretary, Warwick, N. Y.

The next annual exhibition of the Nebraska State Poultry Association will be held at Hastings, Neb., January 18-22, 1915. This show will be cooped with Empire coops. Many specialty clubs are offering handsome trophies, cups, etc., which in addition to the unusually good specials and regular money offered by the association insures keen competition. Chas. H. Rhodes, E. G. Roberts and Adam Thompson, judges. Those interested in this show should write Secretary A. H. Smith, Lincoln, Neb.

The Southern Pennsylvania Breeders' and Fanciers' Association will hold their next annual show during the third week in December, 1914, at York, Pa. This is a new organization which is made up of some of the best breeders in Pennsylvania, the officers of which are: President P. H. Glatfelter, Spring Grove, Pa.; Vice-President C. N. Myers, Hanover, Pa.; Secretary Allen M. Seitz, York, Pa.; Assistant Secretary W. H. Myers, Hallam, Pa.; Treasurer C. S. Shirk, Hanover, Pa. For premium list and further particulars address the secretary.

Mr. J. C. Byrd, secretary of the Charleston (W. Va.) Poultry Association, is out for the biggest and best poultry show in the entire South for 1915. Judging from the progress made by this wideawake organization in the past they will accomplish what they have set out to do. Their tenth annual exhibition will be held January 4-9, 1915, at Charleston, W. Va. For premium list and other information address Secretary J. C. Byrd, Charleston, W. Va.

The sixth annual show of the Terre Haute Poultry Association will be held at Terre Haute, Ind., December 29, 1914, to January 3, 1915. Geo. H. Northup and H. A. Pickett, judges. The members of this association are aiming to make this the quality show of Indiana. For premium list and further information write to M. Austin Potter, secretary, 433 Washington Avenue, Terre Haute, Ind.

The American Buff Leghorn Club offers a special prize to every poultry show in the United States and Canada that will publish in their premium list and send copy of the same to the undersigned, the following notice: "Orders for ribbons will be sent on request from the secretary.—Geo. S. Barnes, Secretary, Battle Creek, Mich."

The next annual meeting of the International Rose Comb Black Minorca Club will be held in connection with the Tri-State Poultry and Pet Stock Club of Toledo, Ohio, during the week of November 30-December 6, 1914. The business session of the club will be held Thursday, December 3, at 2 p. m. For full particulars in regard to this club address Secretary Lloyd C. Mishler, North Manchester, Ind.

The National Meeting of the American Buff Plymouth Rock Club will be held during the week of December 7-12, 1914, at Rochester, N. Y., in connection with the Flower City Poultry and Pigeon Association. For full particulars write Secretary J. W. Chapman, Box 554, Rochester, N. Y.

The Freeport Poultry and Pet Stock and Grain Association will hold its annual exhibition December 14-19, 1914, at Freeport, Ill. Uniform coops will be furnished free by the association. Geo. A. Heyl, G. W. Hackett, judges of poultry; John Bauscher, judge of grain. For premium list address the secretary, Paul Wurtzel, Freeport, Ill.

The twelfth annual exhibition of the Jackson Poultry Association will be held at Jackson, Mich., December 29, 1914-January 3, 1915. Comparison judging. C. H. Rhodes, judge. Catalogue ready by December 1. Write for one to C. M. Dodge, Secretary, 129 Pigeon St., Jackson, Mich.

The Ocean County Poultry Association will hold their third annual exhibition at Lakewood, N. J., December 31, 1914-January 2, 1915. Premium list now ready. J. H. Wolsieffer and Louis Paul Graham, judges; Owen B. Shuts, secretary, Toms River, N. J.

The National Buff Orpington and American Black Minorca Clubs will hold their annual meet in Chicago during the week of the big Coliseum show. Breeders of these two varieties should make it a point to exhibit at this show and win the club prize.

The De Pere Poultry Association will hold its first annual show at De Pere, Wis., January 6-10, 1915. Geo. Wells, judge. For premium list and full particulars address Secretary Charles Behrendt, Jr., 1255 Howard Street, Green Bay, Wis.

The attention of the Rhode Island Red breeders is directly called to the Pennsylvania State meet of the Rhode Island Red Club of America at Williamsport, Pa., November 17-20, 1914, to be held in connection with the Williamsport Poultry Show.

The Illinois Poultry Fanciers' Association will hold their annual show at Waukegan, Ill., November 28-December 4, 1914. Empire cooping, the property of the association, will be furnished. Send for premium list to the secretary, R. B. Conolly, Waukegan, Ill.

The second annual show of the Ozaukee County Poultry Association will be held at Cedarburg, Wis., December 9-13, 1914. Send for premium list to the secretary, James E. Greenwald, Cedarburg, Wis.

The Savanna Poultry Association will hold their annual show November 30-December 5, 1914. H. A. Pickett, judge. For full particulars write Secretary Will M. Laing, Savanna, Ill.

The Kansas State Poultry Federation and State Organization with 700 members will hold their annual show and convention at Topeka, Kan., December 7-12, 1914. Write L. H. Wible, Chanute, Kan., for catalogue.

BARTON'S S. C. BUFF ORPINGTONS

Bred-to-Lay. Old and young stock for sale. Write for prices. **J. S. & C. A. Barton, Sunrise Poultry Yards, 810 Sherman Av., So. Bend, Ind.**



Stay on Aluminum Poultry and Pigeon Bands

Smoothest and most secure. 25-20c, 50-35c, 100-60c, 200-$1 00 Bill. Catalogue free. Pliers 25 cents each. **AMERICAN BAND WORKS, Box 297, Canton, Mo.**

Poultry Diseases and Their Treatment

By F. A. Kaupp, M. D.

A book containing 185 pages, 5x8 inches in size and is profusely illustrated with original half-tone and pen and ink engravings. It shows the many parasites, germs, and bacteria that attack our poultry, as well as tells the names of the diseases, the cause or causes, the symptom and lastly the *treatment for each disease.* The book is printed on a high grade super calendared book paper, substantially bound in cloth, linen sewed to make it flat opening and the title is stamped in gold. Every poultryman should add this very useful book to his library. Remember that we prepay all charges on the book to your town.

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Brubaker's S. C. W. Leghorns

Won at the Great Lancaster Fair

1st and 2d Cock 1st and 2d Pullet
1st and 2d Hen 1st and 2d Pen
1st and 2d Cockerel 1st for best dozen eggs

A. P. A. medal, 5 cups and gold special. All varieties competing for these specials.

They have won for me in all the leading Eastern shows, wherever I have shown them and will win for you in any show.

They are superb in shape, pure white in color and have been raised on free range.

In both old and young stock, I can furnish you with the best quality for your money. Write me your wants.

E. E. Brubaker Box A Bird-in-Hand, Pa.

ANGEL, THE RED MAN

SINGLE AND ROSE COMB

400 Early Hatched, Large, Vigorous Cockerels

Quality to burn. If you have some show in view and need a good cockerel, hen or pullet to complete your exhibit let me figure with you. I will tell you what I have and for the quality I can furnish my price will be very reasonable. State if you want Rose or Single Comb. **My Special Guarantee Plan**—Write me fully the show you wish to make or the kind of a breeder you need; if possible how much money you care to invest and I will write you just what I have. If in need of a cockerel, I can let you have one of those dark, rich, red, even surface colored birds with under color a delight to look upon. One with good red eyes and almost perfect type, with other requirements necessary to make a blue ribbon winner. If after securing the bird he is not satisfactory in every respect, don't hesitate about returning him to me and I will either refund your money or send you another bird, express charges prepaid. Remember Angel, the Red Man, will make the transaction full of pleasure and profit for you. Write me today so we will have plenty of time to weigh things carefully before making the sale.

M. C. ANGEL - BOX A - GOSHEN, INDIANA



A five-months-old pullet weighs 5½ lbs. and already laid her first eggs.

Trenton, N. J., Inter-State Fair, September, 1914.

BY H. P. SCHWAB.

Poultrymen owe a great deal to the management of the Trenton Inter-State Fair and much more to the superintendent of poultry, Mr. Harvey E. Rogers. If this fair association will go the limit and back up Mr. Rogers, as he and the poultry industry deserves, then I feel assured that the future Trenton Fairs will have a poultry display yearly that will compare most favorably with any held any place.

Mr. Rogers in this his first year as superintendent has won the hearts of all poultrymen. He arranged and put up as clean and choice an exhibit as is seen at any winter show and I am sure that next year he can fill a building three times as large and with the best quality grown in the world. On all sides we heard Mr. Rogers commended and we would fail in a personal duty if we did not here give him his due. We are pleased to remember so deserving a fancier and manager and do hope the fair association will favorably give him and all his breeders a building that will compare favorably with others and trust to Mr. Rogers and his friends to fill it and to place it first on the poultry map as the greatest of all great fall poultry shows.

Barred Rocks, a fair sized class with several grand birds seen and some famous winners in line. First cockerel a most promising bird.

White Rocks a very strong and hot class with several well known breeders showing. The Rancocas Poultry Farms, Browns Mills, N. J., were here with their best, and it took the best to win. Their winnings were: Cock, 2-4; hens, 1-2; cockerel, 1-4; pullet, 1-4; pen, 1; first cockerel the best young male we have seen at a fall show. His shape, style and color were ideal. Comb and head points extra choice. In S. C. White Leghorns these farms won: Cock, 2-3; hen, 1-2; cockerel, 1-2; pullet, 1-3; pen, 1. Mr. M. L. Chapman, manager, was in attendance. He deserves credit for the quality and condition of all these birds.

Second White Rock cockerel owned by Minich Bros. was a grandly finished bird, and in good condition. They also won: Cock, 3; hen, 3, and pullet, 2.

Buff Rocks were a beauty class in type and extra in color. First hen an exceptionally choice one.

In Partridge and Silver Penciled Rocks all first prizes and about all others were won by the Bonepart Park Poultry Ranch, Bordentown, N. J. This line shows the finest of type and color.

The honors in Columbian Rocks and Columbian Wyandottes were won by the Wilburtha Poultry Farm, Trenton Jct., N. J. We have written up this plant and hope to again call and see this line at home. They also won the honors in Buff Leghorns and first cock, etc., in S. C. White Leghorns.

White Wyandottes were an unusually strong and fine class of birds, a class good to see and to appreciate if possible the value, interest and work combined in such a beauty class. Mr. Chas. Nixon, Washington, N. J., one of our oldest and best known breeders of this variety won: Cock, 1-5; hen, 1-2; cockerel, 2-4; pullet, 1-2; pen, 1; best display, etc. This is a great win in a very fine class. Mr. Nixon had his birds in select condition. Their type is of the best and color and finish of the very best. Mr. Nixon is also one of our best known judges, a man to bank upon.

Mr. J. E. Myers won in this class: Cock, 2-3-4; hen, 4-5; cockerel, 1-3-5; pullet, 3-4-5; pens, 2-3.

Rhode Island Reds in both combs were the largest classes at the show. The Hamilton Farms, Gladstone, N. J., with Mr. Fred Huyler, manager, won in Single Combs: Cock, 3; hens, 2-3; cockerels, 1-2-5; pullets, 2-4-5; pen, 2. In Rose Combs: Cock, 2-3; hens, 3-4; cockerels, 1; pullet, 1-2.

Mr. J. H. Robinson won in S. C.: Cock, 1; pullet, 1-3; pen, 1. Other winners were Roanoke Poultry Farms, Restless Poultry Farm, Lewis Starr, Jr., Wismer & Wismer, Wm. H. Ayers, etc.

Campines in Silver and Golden were a beauty display and the first Silver Campine cockerel as grand a specimen of this variety as we could wish for. In shape and head points he was about ideal, color and markings very fine. The Martling Hennery, Ridgefield, N. J., produced this bird. Their winnings were: Silver cock, 1; hen, 1; cockerel, 1; pullet, 1; pen, 1. Golden cock, 1; hen, 1; cockerel, 1; pullet, 1; pen, 1; special display, etc.

Buff Orpingtons, a class of beauty color and birds grandly shown. The Old Forge Poultry Farm, Spring Grove, Pa., winning cock, 1; hens, 1-2; cockerel, 1-3; pullet, 2; pen, 1, a very select line worthy of all honors.

Black Orpingtons a small class with the three pullets shown by Mrs. D. Hines, E. Lansdowne, Pa., the feature birds of the whole class. They had grand size, beautiful shape and the best of color. Mrs. Hines has been breeding for several years and has won at many of the leading shows. This line shows improvement year by year.

Ducks, according to Uncle Bill Minich, were a royal class of quality; all varieties were seen to advantage. Turkeys, geese, Bantams and pigeons completed the display and rounded out an exhibit well worth seeing.

Mr. Chas. D. Cleveland was showing his Guernsey cattle and made a killing by winning championship cow, etc., but he was found in the poultry building several times. Other prominent visitors were Mr. Henry Schnitzer of White Rock fame; Henry D. Riley, breeder and secretary of the Barred Rock Club; Colonel Louis P. Graham, breeder, artist and judge; Mr. Roberts of the Oakland Farms, displaying his birds; Mr. Rufus Delafield of the Sunswick Poultry Farm; Major Dillingham of the International, etc. All were glad to come and promise to come again, we too.

—o—

Mt. Pleasant, Iowa, will hold a poultry exhibition December 7-11, 1914. Carl Dare, judge. While this is a new organization, the association has every assurance that it will be the worth-while kind. The show will be held under the A. P. A. rules with a most attractive list of regular and sweepstake prizes. For premium list address Secretary Ralph W. Owen, Mt. Pleasant, Iowa.

BLUE ORPINGTONS :: SILVER CAMPINES

Though we are at war I have obtained a special permit from our privy council to export exhibition birds to America. I can therefore undertake to land in New York (alive) any orders entrusted to me. I have won more prizes with Blue Orpingtons this season, sometimes competing against the best Blacks, Buffs and Whites seen out, than almost all the Blue Orpington breeders put together. If you want to win at any show in Blues I can supply you. Every Blue Orpington I have shipped to America to win has done so. In Campines exported to America the wins were greater, as I shipped a greater number. Write me your requirements and size of competition, and I will quote you by return mail. Mention American Poultry Journal.

Max de Bathe :: **Vice-President English Poultry Club** :: **Hartley Court, Reading, England**

ROSE'S ORPINGTONS



1st Buff Cock, Chicago



1st Buff Pullet, Madison Square Garden



1st Buff Cockerel, Madison Square Garden



1st Black Cock, Madison Square Garden



1st Black Hen, Madison Square Garden



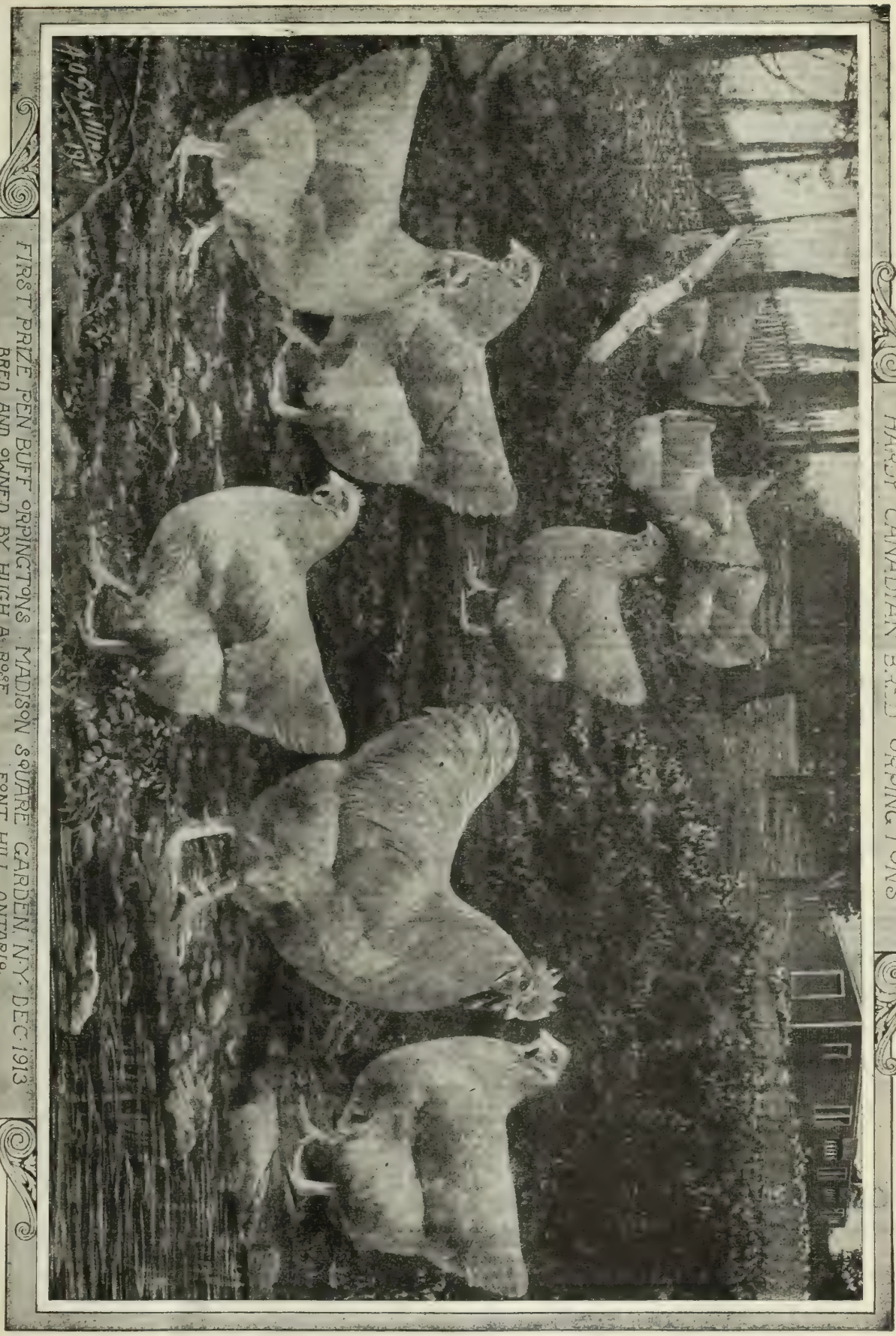
1st Black Cockerel, Boston

CHAMPIONS OF AMERICA

My World's Champion Buffs won the championship of the West at the Chicago Coliseum Show, December, 1913, and the championship of the East at the Imperial Madison Square Garden Show, December, 1913, in competition with nearly every prominent breeder in America as well as the best from England. At these two most magnificent shows, **I won more first prizes** than all my competitors combined, winning at **Madison Square Garden,** 1st and 5th cockerel, 1st and 4th pullet, 1st pen, 5th cock and 3d hen; at the **Chicago Coliseum Show,** 1st, 2d and 5th cocks, 3d hen, 1st and 5th cockerel, 1st, 2d and 4th pullet and 3d young pen. The truly greatness of this achievement can only be realized when you understand that our winners at New York were not shown at Chicago, with the exception of one bird, the 1st pen cock at the Garden.

No breeder in the world has ever made the record with **Black Orpingtons** that I have; this record is not made at one show alone, but is made by a series of the greatest triumphs at the largest shows in the country, under twelve different judges. In the past three years, I have won the championship for best display in Black Orpingtons, at the following shows: Madison Square Garden, New York, Baltimore, Boston, Pittsburg, (National Black Orpington Club Show), New York State Fair, Allentown, Hagerstown and Toronto. We have raised this year the finest lot of cockerels and pullets that we ever had and as our old birds have come through the moult in grand shape, we are now in a position to supply you with old and young stock to win any show in America. Write to us stating what you wish and we shall gladly supply you with descriptions and quotations. **Remember** that any birds that do not absolutely satisfy a customer can at once be returned and your money will be refunded. I want you to have my catalogue, beautifully illustrated in colors.

HUGH A. ROSE **Frank F. Conway, Manager** **Box A** **FONTHILL, ONTARIO**



"HARDY CANADIAN BRED ORPINGTONS"

FIRST PRIZE PEN BUFF ORPINGTONS MADISON SQUARE GARDEN, N.Y. DEC 1913
BRED AND OWNED BY HUGH A. ROSE FONT HILL ONTARIO.

The Great Allentown Fair, September, 1914.

BY H. P. SCHWAB.

Allentown, Pa., a beautiful and thriving little city, has been placed on the poultry map through the successful efforts of W. Theo Wittman, manager of the poultry department of the fair. For years we have accepted this as one of the three or four great early shows where the breeders congregate to exhibit their birds and to see what the other fellow has, and there they can usually find out and get advance news items of what to expect during the season.

The display in quality and numbers was this year about of the same character as in the past. Breeders of national reputation were exhibiting and in many of the popular classes the competition was of the very best. It was an exhibit of class, well shown and with the best possible arrangements. The reader can well imagine that with the following exhibiting that the classes were strong and the quality of the best. Here were seen the birds of the Owen Farms, A. J. Fell, C. Guy Meyers, Meadow Brook Farms, Orchard Poultry Farm, John F. McKay, A. J. Gies, J. D. Koons, Dr. J. S. Rittenhouse, Koch Bros., G. W. Tracy, A. N. Anderson, etc.

There is no question in my mind but that the Owen Farms birds are superior and better than ever before. We have seen them at two great shows this season when competing in the best classes ever brought together in the fall. They have won more and higher honors and with evidently better birds than ever before. With this we feel we can highly commend them, for such stock and such breeding is above value. Here exhibiting White Rocks they won in a class of nearly 100 birds: Cock, 3-5; hen, 1-4; cockerel, 1-3; pullet, 3; pens, 1-3. Single Comb Reds: Cock, 4; hen, 1-5; cockerel, 1-2-4; pullet, 1; pens, 1-2. S. C. Buff Orpingtons: Cock, 1; hen, 2; cockerel, 1; pullet, 1; pen, 1-2. This on only six entries. S. C. White Orpingtons: Cock, 3; hen, 1; cockerel, 1-4-5; pullet, 1-2-3; pens, 1-2. By winning best display in all three varieties and several other specials their record is a complete one of special value. Mr. Frank H. Davey was in charge of this exhibit.

Whenever you see A. J. Fell, West Point, Pa., exhibiting his White Wyandottes you can depend upon seeing a class worth while. Mr. Fell has shown here for years, and each year we have seen him carry away cups, ribbons and specials by the load. Last year he hired an extra man to help him safely back home with the cups won. Mr. Fell's birds were of their usual high quality, his cockerels short in feather and hardly at their best. When filled out and in feather they will be screamers, for they have the bone, body and heads for which this line is famous. Mr. Fell won: Cock, 1-2-3-4; hen, 1-2-3-4; cockerels, 2-3-4-5; pullet, 1-2-4-5; pens, 1-2-3. Mr. Fell also won the sweepstakes championship cup for best 10 birds at the show.

Barred Rocks, while not as large a class as we would like to see, was a very good class nevertheless with 62 birds shown. The cock and pullet classes were the best. Mr. C. Guy Meyers, Siddonsburg, Pa., made the big strike with a very choice line of birds, winning: Cock, 1-2; hens, 1-3; cockerels, 1-2; pullet, 1-2; pens, 1-4; best display, etc. Both his cocks were fine clear barred birds, as were also his cockerels. First and second pullets were extra grand birds of right color and grandly barred. This line has been a factor for years and has won well at Philadelphia, Hagerstown, etc.

Meadow Brook Farms exhibited only their White Rocks and in competition with the best won: Cock, 2-4; hen, 3; cockerel, 4-5; pullet, 1-4; pen, 2. This line has the best of shape and style. Both the cockerels were of superior form and shown in extra fine condition.

Buff Rocks a very sweet class with G. B. Schellenbarger, J. H. Vincent, Plumlyn Farm, J. H. Hertz and Billheimer & Kratzer the leading winners.

Mr. John F. McKay, Bordentown, N. J., made a very unusual record in a great quality class of Partridge Rocks, winning: Cock, 5; hen, 1-4-5; cockerel, 1-2-3; pullet, 3-4-5; pens, 1-2-3. This line has been a winner for years and has won at M. S. Garden, N. Y., Boston, Philadelphia, Baltimore, etc. Mr. McKay also displayed here his Stove Colony Brooder. We have seen this brooder in operation on dozens of plants and know its worth.

Silver Wyandottes one of the best quality classes seen at this season of the year. First cock the choice of the class, other winners also very good.

Buff Wyandottes a rich class of beauty color, and a few of fine shape. We were pleased to see the judge consider type fully and here we want to compliment Judge Chas. D. Cleveland for his very fine work done on all Wyandotte classes. He was painstaking and a bird to win had to have the best of standard shape.

The Black Wyandotte class was worthy of a Weed. It was almost as hot as the judging day, which was one of the hottest ever experienced.

Columbian Wyandottes a fair sized class of fine birds. Dr. J. S. Rittenhouse winning: Cock, 1; hen, 1; cockerel, 2, and pullet, 1.

S. C. Reds were one of the largest classes of the show with royal good birds in each department. Besides the Owen Farms winnings the following won ribbons on classy stock: W. T. Jocoby, Chas. A. Kiehl, J. E. Bonton, C. W. Everett, Red Poultry Yards, Geo. W. Tracy, etc.

In R. C. Reds the winners were A. M. Anderson, Louis Anderson, Beyer & Morrison, J. G. Spencer, C. O. Hattersley, etc.

In Dark Cornish there is a sad tale to tell. Mr. John W. Ward of Pennington, N. J., this country's leading breeder of this variety, had his entire exhibit and including all his best birds smothered by the express company while in transit. In the lot was his famous cock birds "John Bull" and "Uncle Sam," two birds above value. They were winners at our best and largest shows and the kind money can't duplicate, also some of his best young and we believe other imported birds. This loss is to be regretted and we hope it won't dampen the fancier's spirit of Mr. Ward, although his loss must be above $3,000, at lowest estimate. Mr. Ward later sent up other birds and still won: Cock, 2-3; hens, 2-5; cockerel, 2-3; pullet, 1-4-5.

Leghorns are always strong here and this season the Browns in both combs, Buff and Whites were grand large classes. The S. C.

CUT CLOVER

Better Than Alfalfa for Winter Green Feed—Order Early

Breeding Ducks Now is the best time to buy Pekins, White Indian Runners, American Fawn and Pencilled English. Also White Wyandottes, Rhode Island Reds, White Plymouth Rocks, White Leghorns and White Guineas.

Niagara Farms **W. R. Curtiss Co.** **Ransomville, New York**

White Orpingtons

Superb Type and Superior Quality

January and February Hatched Youngsters for Sale

Never have I had young chicks prove more completely the claim made for them regarding TYPE and QUALITY than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in January, February and March. As it is possible to detect any minor faults in birds after they are eight weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced. These are ready for delivery now—large, vigorous, massive birds raised on acres of blue grass sod.

Older Stock at Bargain Prices

Due to the fact that I must make ready for this younger stock, it will be necessary to dispose of a number of hens and cocks on the breaking up of my breeding pens the first of June. These, of course, must go at attractive prices; and here is an opportunity to get some foundation stock, the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000 acre Elmendorf Farm. An extra fine lot of young Duroc-Jersey pigs for sale.

RUSSELL CAVE POULTRY FARM
ELMENDORF STOCK FARM

LOUIS LEE HAGGIN, Prop.
R.R. 3, Box 1025, LEXINGTON, KY

Illinois Red Farm

Just won on S. C. R. I. Reds at the Streator Fair 1-2-3 cock, 1-2-3 hen, 1-2 cockerel, 1-2-3 pullet, 1 old pen 1-2 young pen, silver cup for best male bird in show. At the Illinois State Fair I won 2-4-5 pullet. Some good old and young birds for sale. Write for prices.

F. E. Gapen, Proprietor, Lostant, Illinois

TRETHAWAY'S

ANTHRACITE STRAIN BLACK MINORCAS

A grand lot of cockerels and pullets will be ready for the Winter shows. If you want to win get the Anthracite; they have won at all leading shows for 25 yrs. All sold on approval and prices right.

Arthur Trethaway, 45 Parish St., Wilkes Barre, Penna.

FULLER'S BARRED ROCKS

Indiana State Fair winners; also blue ribbon winners at Terre Haute, Ind.; Princeton Ind.; Vincennes, Ind.; Elnora, Ind.; etc.

Hen hatched, fresh air and range reared. I offer the choice birds of a flock of 300 chicks from selected layers. No culls used in breeding pens. Cockerels and pullets $5 up.

CHAS. G. FULLER

Ind. Sec'y American Barred Ply. Rock Club

Box A -:- Bicknell, Indiana

OCULUM CHICKS

Grow Like Weeds

Oculum makes roosters gallant, and hens healthy.

Oculum stood the TEST every time on many of America's leading poultry plants.

Oculum changed SICK BIRDS into BLUE RIBBON WINNERS in Madison Square Garden show in 24 hours.

Oculum cures (to stay) Roup, Cholera, and other diseases. All dealers, or from us. Bottle 50c and $1. If not O. K., money back. Booklet FREE.

H. I. Co., Box B, Salem, Va.

The Best Bird Will Win

At the 4th Annual Show of

The Poultry Exhibition of Pittsburgh, Inc.

January 18 to 23, 1915

Entries close Jan. 7, 1915

The largest and finest Hall in the country. We have engaged the following judges:

W. H. Card
C. D. Cleveland
A. Fred Kummer
J. C. Punderford
Irving F. Rice
H. P. Schwab
W. C. Pierce
W. Theo. Wittman
Theo. Hewes
L. Rawnsley
J. H. Lewis
Wm. F. Auerswald

Brown class was one of extra value. In the S. C. Whites the following were winners: W. H. Williams, Miller & Schuneberger, Pastime Farms, Endicott Farms, H. C. Wack, Eden Poultry Yards, etc.

Orpingtons were seen in fine quality classes. The Old Forge Poultry Farm, Spring Grove, Pa., winning on Buff, which are their specialty: Cock, 2; hen, 3-5; cockerel, 2-4; pen, 3. This is a very select line.

Mr. John Arnot won first hen on a rare beauty.

In Blacks the winners were Umholtz & Kleine, Wm. J. Gerogius, Marvin & Handshue and Mr. Kilpatrick.

Large classes of White Cornish were exhibited and the display of Hamburgs, Polish, Lakenvelders, Houdans, Anconas, etc., were complete.

Ducks and geese were extra large and fine classes. Turkeys, very small classes. Bantams numbered over 400 entries and formed a beautiful display. Pigeons as usual were a feature exhibit, one of the best ever seen here, and numbered 1,406 birds.

The judging as a rule and with but two exceptions was very good and the exhibitors very well pleased. We have thought proper to compliment Mr. Chas. D. Cleveland for his work was surely painstaking and most satisfactory. The great classes were very trying and the heat most unbearable. Under these conditions such splendid service is to be commended. There was another judge, Louis P. Graham, whom we also congratulate for the service rendered. Besides his own classes the exhibitors in several other classes asked the management to assign him to their classes and he worked hard for two days. His work was above reproach. In Barred Rocks as well as in Leghorns it was perfection.

The attendance was great. While not as large as usual, they say, still the poultry building was chuck full daily.

Chicago Premium List Is Now Ready.

The premium list of the great Coliseum show is now ready for mailing. The list of cash and special prizes was never before equalled. Every breed and variety is well provided for, while many of them exceed that of any other national show ever held. Rhode Island Reds, with $800 in cash and ten cups; Silver Wyandottes, with $150 in cash and ten cups; Light Brahmas, with $70 in cash and club ribbons. The association is offering an elegant diamond scarfpin for the best display in every variety, Standard and non-Standard, where there are 125 or more entries. Should this prize be awarded to a lady, she may have her choice of the scarfpin or a diamond ring. This is the most valuable prize ever offered at any poultry or live stock exhibition in the United States. From information received, the Buttercups, Sussex, Campines and Blue Andalusians will be a show of themselves.

One of the new features for 1914 is the championship ribbons on many of the classes for best male and best female; and in all Bantams for best display in the several varieties.

Entry fee for Bantams for the 1914 exhibition has been reduced to $1.00 on single birds and $3.00 on pens.

There will be a $5.00 cash championship on Barred Rocks for best colored male and best colored female in the exhibition class; also $5.00 for the best colored pullet-bred male and $5.00 for the best colored cockerel-bred female.

All exhibitors of the 1913 show will receive a premium list without request. Others are asked to send in their names at once. Show dates are December 11-16. Entries close positively November 25.

Theo. Hewes, Secretary, Indianapolis, Ind.

Don't fail to read the editorial headed "Give Us Your Ideas."

Rouen Ducks

Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings. Mention A. P. J.

SWEETBRIAR FARM

Louis B. Schram, Prop.

ELBERON - NEW JERSEY

OAT SPROUTER, $2

For $2.00 you can build the simplest, most efficient and best oat sprouter on earth. Build one some evening. Plans 25c. **I. Putnam, Route 105, Elmira, New York.**

R. C. BLACK MINORCAS

Eggs and Stock for Sale. Ask for Prices.

E. M. Campbell, 571 N. Fourth St., Columbus, O.

S. C. W. LEGHORNS

Winners at Illinois State Fair, Sept., 1914— I exhibited four birds and won 1st cockerel, 2d and 3d pullets. For Sale—Some cockerels, good for breeding or show purposes. Low well spread tails predominate. My birds are bred to lay as well as for show. Satisfaction guaranteed or money refunded

A. D. Taylor, Route 5, Springfield, Illinois

FELL'S FAMOUS WHITE

Wyandottes

Win twelve firsts at Madison Square Garden, at the great Allentown Fair, 1914, four firsts and the great Allentown Fair cup for best ten birds in show, $75 cup for best Wyandotte. Catalog.

A. J. Fell, Box J, West Point, Pa.

"COLFAX" WHITE ROCKS

Fishel Strain—Show birds, baby chix, eggs and stock at all times. **25 baby chix free; send for particulars.**

T. F. RICHARDSON

"COLFAX" :: EVANSTON, ILLINOIS



"On to Buffalo"

Send today for your copy of the premium list of the

Greater Buffalo Poultry Show

(Thanksgiving Week)

Nov. 23-24-25-26-27-28

Best judges. Liberal premiums, attractive cash specials.

WM. C. DENNY, Sec'y

322-323 Electric Bldg., Buffalo, N.Y.



1st Pullet N. Dak. State Fair 1914

Big Profits this winter—eggs and poultry will be higher than ever before. Buy your laying and breeding stock now, for such stock will be high and scarce before spring. We raised nearly 10,000 birds this year but they are going fast because prices are reasonable and quality is excellent—However we still have several hundred pullets and hens and many cocks and cockerels for early buyers. Better write now while our stock is complete and we can supply exactly the type of bird you want.

Trapnested to lay 160 eggs or more a year. Every Ferris Leghorn is bred to lay—even our best exhibition birds must have records of 160 eggs before we breed from them. For 14 years our principal object has been to produce heavy layers. Today Ferris Leghorns are known the world over as egg machines, and they lay as well in winter as most breeds do in the spring.

Winners Last season's record of 35 first and 41 second prizes at 13 big shows proves conclusively that Ferris Leghorns have no superiors from an exhibition standpoint. This season they started out by winning every first and second at the recent North Dakota State Fair and the W. Michigan State Fair. Watch our winnings this fall and winter. For a complete list of last season's prizes see our free catalog. If you want winners for your show we have them—and the prices are right.

Prices—good utility stock—hens and early pullets $2.50 each; cocks and cockerels $5.00 each. Best laying-breeding stock $3.50 each for hens and pullets; $7.00 for cocks and cockerels. Good exhibition-breeding stock $5.00 for females, $10 for males. Exhibition stock $7.50 and up for choice hens and pullets, $15 and up for males. Pure, white, large, long bodied, with good head points, low, well carried tails and typical shape in all sections, these birds will win in any competition. Look at our catalog and see the prizes our customers are winning every year.

Guarantee Satisfaction or money back. Return birds at our expense if not satisfactory and money will be refunded. All stock insured for 30 days. We stand all the risk of change of climate and REPLACE FREE every bird that dies or gets out of condition. Before you buy, find out whether any other breeder will do this for you. Our success depends upon yours, and we do everything possible to help you succeed.

14 YEARS of careful breeding and square dealing are back of Ferris Leghorns. Better layers and better exhibition birds every year; this year's birds so good their quality will surprise you. Line-bred so many years, their good qualities are bred in the bone and make your success assured.

80 Page Catalog tells the whole story—it's free. Testimonials from every state; complete description of our plant and methods, how we developed laying and exhibition qualities, views of farm and stock, exact descriptions of the birds we sell at various prices, and all the information you will want to know before buying. If you need stock now, or eggs or chicks next spring, write us. We will be glad to quote prices and give all possible information.

GEORGE B. FERRIS

Manager Ferris Leghorn Farm 905 North Union Street

GRAND RAPIDS, MICH.

SHOW DATES, 1914-1915.

CALIFORNIA.

Jan. 6-12. South Pasadena, H. H. Mumford, secretary; Russell, Hinds, Goodacre, Masterson, judges.

CANADA.

Nov. 18-19. Vancouver Island, B. C., Mrs. Miller Higgs, secretary; W. M. Coats, judge.

Nov. 23-28. Central Park, B. C., D. M. Ross, secretary; W. M. Coats, judge.

Dec. 1-3. Summerland, B. C., Miss Conway, secretary; W. M. Coats, judge.

Dec. 28-Jan. 1. Smiths Falls, Ont., W. T. Ferguson, secretary.

Jan. 19-22. Moncton, N. B., Geo. H. Seaman, secretary.

COLORADO.

Dec. 28-Jan. 2. Denver, W. J. Searle, secretary; W. C. Pierce, judge.

Jan. 18-23. Denver, Fred P. Johnson, secretary; Tucker, Keeler, judges.

CONNECTICUT.

Nov. 23-26. South Norwalk, Chas. R. Petty, secretary.

Nov. 26-28. Danbury, Thomas Deans, secretary; Wolsieffer, Ives, judges.

Dec. 8-11. Hartford, Warren Hayden, secretary; Ives, Beebe, Balch, Shaylor, Tompkins, Williams, Stanton, judges.

DISTRICT OF COLUMBIA.

Jan. 19-23. Washington, W. A. Kiefer, secretary.

Dec. 14-18. Beardstown, V. L. Adelmann, secretary; D. T. Heimlich, judge.

Dec. 14-19. Freeport, Paul Wurtzel, secretary; Heyl, Hackett, judges.

Dec. 15-18. Batavia, C. A. Pierce, secretary; Louis A. Stahmer, judge.

Dec. 15-18. Granite City, J. W. Costley, secretary; G. E. Teaney, judge.

Dec. 15-18. Murphysboro, O. L. Rawlings, secretary; J. Dagle, judge.

Dec. 15-19. Cowden, B. W. Breighner, secretary; E. G. Feanney, judge.

Dec. 21-25. Mt. Carmel, L. S. Cochran, secretary.

Dec. 28-Jan. 2. Canton, F. J. Rafferty, secretary; C. V. Keeler, judge.

Dec. 28-Jan. 2. Hoopeston, A. L. Knox, secretary; Geo. M. Wells, judge.

Dec. 30-Jan. 3. Capron, Helge Peterson, secretary.

Jan. 4-9. Lanark, J. A. Shaner, secretary.

Jan. 4-9. Golconda, Theo. S. McCoy, secretary.

Jan. 4-9. Elgin, C. H. Leitner, secretary; Hale, Johnston, Cook, Waterman, judges.

Jan. 4-9. Galva, Ed. Everson, secretary; Teaney, judge.

Jan. 11-17. De Kalb, Wm. M. Hyde, secretary; Hale, Johnston, judges.

Jan. 14-20. Chicago, A. E. Lemieux, secretary.

Jan. 18-23. Aurora, C. L. Valentine, secretary; W. C. Pierce, judge.

Jan. 18-23. Jacksonville, Jas. C. Weber, secretary; Heimlich, Engle, judges.



A PARTIAL VIEW OF THE GREAT MEMPHIS SHOW, SEPT. 26 TO OCT. 3, 1914.

IDAHO.

Jan. 4-9. Boise, L. L. Long, secretary; W. M. Coats, judge.

Jan. 4-9. Boise, L. L. Long, secretary; W. M. Coats, judge.

ILLINOIS.

Nov. 24-29. Quincy, A. D. Smith, secretary; Johnston, Hale, Keeler, Thompson, Dare, judges.

Nov. 26-28. Harvel, W. J. Meglitsch, secretary.

Nov. 28-Dec. 4. Waukegan, R. B. Conolly, secretary.

Nov. 30-Dec. 5. Savanna, W. M. Laing, secretary; H. A. Pickett, judge.

Nov. 30-Dec. 5. Peoria, J. T. Cunningham, secretary; D. E. Hale, O. L. McCord, judges.

Dec. 1-4. Kempton, James R. Terrill, secretary; H. A. Pickett, judge.

Dec. 1-5. Mt. Olive, J. A. Schroeder, secretary; E. E. Gimlin, judge.

Dec. 2-5. Benton, Sam Jones, secretary; Thomas B. Faulkner, judge.

Dec. 2-6. Streator, W. H. McCormick, secretary; J. C. Johnston, judge.

Dec. 2-6. Woodstock, Wm. Stearns, secretary; Frank Heck, judge.

Dec. 8-11. Bloomington, C. E. Johnson, secretary; Geo. Heyl, judge.

Dec. 8-11. Alton, G. K. Worden, secretary.

Dec. 11-16. Mattoon, W. H. Morris, secretary.

Dec. 11-16. Chicago, Theo. Hewes, secretary.

Jan. 24-30. Havana, H. W. Chambers, secretary; Chas. V. Keeler, judge.

INDIANA.

Dec. 8-12. Goshen, A. A. Kryder, secretary; Chas. V. Keeler, judge.

Dec. 9-14. Marion, Frank Sherwin, secretary; Earl Hemenway, judge.

Dec. 16-18. Hymera, J. M. Dunlap, secretary; B. O. Swain, judge.

Dec. 16-21. Butler, D. D. Melroy, secretary; Hamlin, Noftzger, judges.

Dec. 22-24. Plainville, O. M. Heldt, secretary; B. H. McCracken, judge.

Dec. 29-Jan. 2. Kentland, J. M. Illingworth, secretary; H. A. Pickett, judge.

Dec. 29-Jan. 3. Terre Haute, M. A. Potter, secretary; Pickett, Northrup, judges.

Dec. 30-Jan. 3. Hammond, Wm. Maginot, secretary; H. C. Dippel, judge.

Jan. 4-9. Elnora, O. P. Hackler, secretary.

Jan. 4-9. Rensselaer, R. Snyder, secretary; H. A. Pickett, judge.

Jan. 11-16. Lafayette, Edward Balser, secretary; B. O. Swain, judge.

Jan. 11-16. Brazil, J. C. McDonald, secretary; B. H. McCracken, judge.

Jan. 12-16. Logansport, Wm. Grace, secretary; C. R. Deardorff, judge.

Jan. 18-23. South Bend, Paul Heireman, secretary; Northrup, judge.

Jan. 18-23. Evansville, H. J. Reimer, secretary; Heimlich, judge.

Jan. 19-25. Fort Wayne, Wm. Stellhorn, secretary.

Jan. 19-26. La Porte, A. F. Wegner, secretary; H. C. Dippel, judge.
Feb. 1-5. Indianapolis, C. R. Milhous, secretary; Hewes, Pierce, judges.
Feb. 2-5. Plymouth, J. W. Shatford, secretary; Greer, Tyrell, judges.

IOWA.

Nov. 23-27. Davenport, O. F. Freeman, secretary; McCord, Richards, judges.
Nov. 23-27. Shenandoah, Elmer V. Scott, secretary; Joseph Dagle, judge.
Nov. 23-28. Independence, C. J. Friedman, secretary; T. J. Rountree, judge.
Nov. 30-Dec. 5. Iowa City, C. M. Davis, secretary; U. J. Shanklin, judge.
Nov. 30-Dec. 4. Muscatine, R. S. Jackson, secretary; Joseph Dagle, judge.
Nov. 30-Dec. 5. Villisca, C. H. Frame, secretary; G. F. Richards, judge.
Dec. 4-8. Dyersville, C. H. Ostwinkle, secretary; D. E. Hale, judge.
Dec. 7-11. Mt. Pleasant, Ralph Owen, secretary; Carl Dare, judge.
Dec. 7-12. Clarinda, J. V. Pfander, secretary.
Dec. 8-11. Jefferson, E. R. McCaffrey, secretary; A. B. Shaner, judge.
Dec. 20-25. Ottumwa, V. Reinhard, secretary; Hale, Dagle, judges.
Dec. 30-Jan. 4. Davenport, Harry W. Atkins, secretary.
Jan. 7-9. Hampton, H. W. Hardy, secretary; S. B. Mills, judge.

KANSAS.

Nov. 23-28. Fredonia, K. F. Spellman, secretary; E. W. Cook, judge.
Dec. 1-4. Pittsburg, D. J. Mackey, secretary.
Dec. 7-12. Topeka, L. H. Wible, secretary.
Dec. 8-11. Fort Scott, S. S. Frary, secretary; Wibble, Emery, judges.

LOUISIANA.

Dec. 9-13. Alexandria, W. H. McCrackin, secretary; Van Winkle, judge.

MAINE.

Dec. 8-10. Sanford.

MASSACHUSETTS.

Nov. 17-19. Beverly, H. P. McKean, Jr., secretary.
Nov. 25-27. Abington, Edward C. Cushing, secretary.
Dec. 2-4. Holyoke, Geo. Barnett, Jr., secretary; Nixon, Fiske, Shaylor, Chapin, judges.

MICHIGAN.

Dec. 7-13. Battle Creek, O. P. Stancer, secretary; Wm. Wise, F. B. Havens, J. W. Mulinix, judges.
Dec. 9-12. Petoskey, S. H. Hoover, secretary.
Dec. 15-18. Belding, Dennis Hollenbeck, secretary; R. V. Otto, judge.
Dec. 16-19. Three Oaks, B. R. Chamberlain, secretary; Chas. V. Keeler, judge.
Dec. 22-26. Holland, Wm. Dinkeloo, secretary; Chas. McClave, judge.
Dec. 29-Jan. 3. Jackson, C. M. Dodge, secretary; C. H. Rhodes, judge.
Jan. 12-15. Grand Rapids, John Bowstrom, secretary.
Jan. 20-26. Detroit, J. A. Turner, secretary; Tucker, Mulinix, McNeal, judges.
Feb. 10-15. Menominee, W. A. Haines, secretary; Harrison, Wells, Tucker, judges.

MINNESOTA.

Dec. 1-4. Two Harbors, Fred D. W. Thias, secretary; Geo. W. Hackett, judge.
Dec. 2-5. Rochester C. A. Boyd, secretary; Ralph Whitney, judge.
Dec. 7-11. Winona, A. G. Sklenar, secretary; A. C. Smith, judge.
Dec. 8-11. Austin, L. B. Hanna, secretary.

MISSOURI.

Nov. 24-29. St. Louis, Fred Crosby, secretary.
Nov. 30-Dec. 3. Butler, Edson Snyder, secretary; E. C. Branch, judge.
Nov. 30-Dec. 5. Sedalia, Fred A. Benz, secretary; Chas. McClave, judge.
Dec. 1-3. Louisiana, C. H. Winn, secretary; T. W. Southard, judge.
Dec. 2-5. Cameron, S. F. McGuire, secretary; Southard, judge.
Dec. 9-13. St. Joseph, L. E. Wing, secretary; Woods, Hobbs, judges.
Jan. 11-16. Kansas City, E. L. Noyes, secretary; Southard, Hobbs, Rankin, McClaskey, Meyer, judges.

MONTANA.

Dec. 14-18. Kalispell, G. F. Tate, secretary; L. C. Taylor, judge.
Jan. 18-23. Stevensville, J. L. Dorsh, secretary; Holdenof, Greenfield, judges.

NEBRASKA.

Jan. 18-22. Hastings, A. H. Smith, secretary; Rhodes, Roberts, Thompson, judges.

NEW HAMPSHIRE.

Dec. 8-11. Concord, H. C. Bailey, secretary; Atherton, Coffin, Pierce, Allen, judges.
Dec. 15-17. Laconia, R. L. Piper, secretary; Ballou, Paine, judges.
Jan. 17-21. Dover, Edw. H. Quimby, secretary.

NEW JERSEY.

Nov. 23-28. Morristown, S. R. Whitenack, secretary; Huyler, Nixon, Pagmore, Bowman, judges.
Nov. 25-28. Asbury Park, Frank H. Hodges, secretary; Kriner, Stanton, Minich, Kennedy, Horner, Applegate, judges.
Nov. 25-29. Red Bank, F. H. Hodges, secretary; Kriner, Stanton, Minich, Horner, Applegate, Seaman, Patterson, judges.
Dec. 10 - 12. Caldwell, Charles H. Schlaefer, secretary; Wolsieffer, Nixon, judges.
Dec. 31-Jan. 2. Lakewood, O. B. Shuts,

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THE ONLY GRIT has been used exclusively at the North American Competition held at the Ingleside Poultry Farms, Thorndale, Pa.

This Egg Laying Competition has broken all records and will become fixed as the greatest achievement in poultry history, and no small part of the wonderful laying records is attributed to THE ONLY GRIT. The rate of mortality 1% is the lowest ever recorded in any egg laying competition.

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At Madison Square Garden, 1913-1914

We have cockerels and pullets that for type and color are almost too grand for description. Bird after bird—almost duplicates—and some better than our **Madison Square Garden Blue Ribbon** Cockerel and Pen, which were conceded to be the best Red specimens ever shown in America.

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January 14-20, 1915

Our show promises to be better than ever this year. We have secured the official American Poultry Ass'n-Illinois State Meet and this means gold medal for sweepstakes cockerel and silver medal for first cockerel in all standard varieties. Eight judges will place the awards. Several national meets. Think it over. Send for premium list. Entries close December 28, 1914. Mention this paper.

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America's Greatest Quality Show

Poultry, Pigeons, Cats, Pet Stock

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THE 1915 OLD GLORY SHOW

MECHANICS BUILDING **JANUARY 12 to 16**

Entries close December 28, 1914. For premium list and entry blanks, address,

W. B. ATHERTON, Sec'y and Mgr., 36 BROMFIELD STREET, BOSTON, MASS.

secretary; J. H. Wolsieffer, L. P. Graham, judges.

NEW YORK.

Nov. 23-28. Buffalo, W. C. Denny, secretary.
Nov. 23-28. Wellsville, Glenn Lee, secretary.
Dec. 1-5. New York City, L. D. Howell, secretary; Hicks, Atherton, Weed, Card, Doll, Shaylor, Nixon, Punderford, Fiske, Wolsieffer, Willmarth, D. L. Orr, Sites, Green, Schwab, Mole, Aubry, Chapman, Story, Brett, Smith, Glasgow, Tracey, judges.
Dec. 7-12. Jamestown, Wm. S. Rathbun, secretary; Burgott, Maunder, judges.
Dec. 7-12. Rochester, J. W. Chapman, secretary; Nicholson, Welles, Nixon, Card, Hammerstrom, Preston, Cornman, Hilfiker, judges.
Dec. 8-11. Peekskill, Harry A. Smith, secretary.
Dec. 15-18. Elmira Heights, L. G. Woodward, secretary; F. I. Bradford, judge.
Dec. 15-18. Kingston, Jasper Kelder, secretary.
Jan. 11-16. Batavia, Lee Folger, secretary.
Jan. 12-16. Schenectady, H. J. Fuller, secretary; Riley, Braun, Rice, Corey, Van Alystine, Otto, McDonald, Hill, judges.
Feb. 12-18. New York, Chas. D. Cleveland, secretary.

NORTH CAROLINA.

Dec. 9-11. Winston-Salem, William C. Brown, secretary; J. H. Wolsieffer, judge.

OHIO.

Nov. 24-28. Marion, Earl Sargent, secretary; L. Streams, judge.
Nov. 30-Dec. 5. Bellefontaine, C. B. Halboth, secretary; J. W. Mulinix, judge.
Nov. 30-Dec. 6. Toledo, A. H. Emch, secretary; J. H. Drevenstedt, Newton Cosh, Frank F. Conway, judges.
Dec. 1-4. Hamilton, Cliff Bryant, secretary.
Dec. 4-9. Kenton, Harry Burger, secretary; J. L. Anglemeyer, judge.
Dec. 7-12. Athens, J. H. Copeland, secretary; W. W. Vike, judge.
Dec. 8-12. Wooster, A. H. Smith, secretary; Faulkner, judge.
Dec. 8-13. Dayton, C. D. Forney, secretary; Pierce, Cosh, judges.
Dec. 22-25. Ashland.
Dec. 28-Jan. 1. Sandusky, Dr. E. L. Jones, president.
Dec. 29-Jan. 2. Norwalk, C. H. Sly, secretary; A. H. Emch, judge.
Dec. 29-Jan. 2. Tiffin, C. H. Lines, secretary; Faulkner, judge.
Jan. 4-9. Cleveland, Dr. R. H. Lindhorst, secretary.
Jan. 5-9. Newark, B. F. Kent, secretary.
Jan. 12-16. Wadsworth, Chas H. Ries, secretary; Geo. W. Webb, judge.
Jan. 18-25. Mt. Vernon, B. D. Humbert, secretary.
Jan. 20-24. Gallipolis, C. J. McCormick, secretary.
Jan. 26-Feb. 1. Woodville, A. H. Mauntler, secretary; James A. Tucker, judge.

OKLAHOMA.

Dec. 16-19. Mountain View, P. A. Parnell, secretary; C. A. Emery, judge.
Jan. 4-9. Waukomis, Fred Atherton, secretary; Adam Thompson, judge.

OREGON.

Dec. 7-12. Portland, C. D. Minton, secretary; Coats, Drevenstedt, judges.

PENNSYLVANIA.

Nov. 23-28. Pittsburgh, A. J. Henning, secretary.
Nov. 30-Dec. 5. Wilkes-Barre, F. N. Roll, secretary; Oke, Kriner, judges.
Dec. 8-11. McDonald, A. V. Campbell, secretary.
Dec. 8-12. Latrobe, P. H. Saxman, secretary; Webb, judge.
Dec. 14-19. McKeesport, W. N. Soles, secretary; McClave, Minich, judges.
Dec. 15-18. St. Marys, F. D. Lambert, secretary; Turner, Ingram, Peters, judges.
Dec. 28-Jan. 2. Berwick, R. S. Hortman, secretary.

Rancocas Single Comb White Leghorns and White Plymouth Rocks



1st Hen
Boston, 1914

Made Their Third Great WIN at New York State Fair, Syracuse

Single Comb White Leghorns. 1st and 2nd Cock; 1st, 3rd Cockerel; 3rd, 4th and 5th Hen; 3rd, 5th Pullets. 1st Old Pen. 1st Young Pen. $50 cash SPECIAL FOR THE BEST EXHIBIT IN THE ENTIRE SHOW, *with 6,000 birds competing.*

White Plymouth Rocks. 1st, 4th, 5th Cocks; 2nd, 4th, 5th Cockerels; 3rd, 4th Hens; 3rd, 4th Pullets; 2nd Old Pen; 2nd Young Pen.

With our large flocks of 22,000 pullets, 10,500 hens, 2,300 cockerels, and 310 cocks, we are in a position to furnish anything you may need in White Leghorns and White Plymouth Rocks. Special prices now for carefully selected birds for exhibition or breeding.

Rancocas Poultry Farms, Box 510, Browns Mills, N. J.



Head of 1st Pen
Philadelphia, 1911

Red SUSSEX Speckled
CHAMPION STRAIN

Utility, Meat and Eggs

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You don't have to trapnest for they all lay day after day. Try it out with a trio of the CHAMPION STRAIN—over 500 to choose from. Wonderful quality in color and type.

From Shell to Show-room in five months

Mr. Scurlock of Stevensville, Mont., won 1-2-3-4 at the State Show, Helena, Montana, with MAY HATCHED CHICKS FIVE MONTHS OLD. Showing how fast Sussex Chicks grow in any climate.

Females at a premium in this country. We give great value in Cockerels—sired by such great Red Males as Red Champion, Red Prince, Dairy King, Palace Boy.

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Write for prices on trios and single Cockerels. Mention American Poultry Journal. Address

RED SUSSEX FARMS — **MARYSVILLE, MICH.**

MYRON W. MILLS, Proprietor — H. H. COBURN, Manager

Dec. 28-Jan. 2. Warren, L. E. Conroy, secretary.
Dec. 28-Jan. 2. Erie, J. F. Boyer, secretary.
Jan. 4-9. Kane, W. K. Whitehill, secretary; Geo. W. Webb, judge.
Nov. 3-8. San Antonio, Geo. Loess-
Jan. 7-9. Ambler, W. W. Slutter, secretary.
Jan. 11-16. Bentleyville, E. C. Snyder, berg, secretary; H. B. Savage, judge.
Nov. 9-14. Houston, W. F. Krahl, sec-
Jan. 12-16. Johnstown, W. S. Krise, secretary.
Jan. 18-23. Greenville, W. F. Beck, secretary.
Jan. 18-23. Pittsburgh, W. P. Craig, secretary; Kummer, Punderford, Card, Rice, Schwab, Hewes, Oswald, Lewis, Rawnsley, Wittman, judges.
Jan. 20-23. Franklin, C. M. Myers, secretary; J. F. Nelson, judge.

SOUTH CAROLINA.

Nov. 25-27. Darlington, H. L. Harllee, secretary; Loring Brown, judge.
Dec. 9-11. Chester, H. S. Adams, secretary; F. J. Marshall, judge.

SOUTH DAKOTA.

Jan. 19-23. Pierre, Joseph Ihli, secretary; Joseph Dagle, judge.

TENNESSEE.

Dec. 7-12. Chattanooga, F. C. Rose, secretary; C. I. Fishel, F. J. Marshall, judges.

TEXAS.

Nov. 26-30. El Paso, J. G. Kenan, secretary; C. P. Van Winkle, judge.
ton, secretary.
Dec. 2-5. Austin, Mrs. M. D. Carr, secretary; N. L. Hutchison, judge.
Dec. 3-8. Amarillo, W. W. McDonald, secretary; W. Burton, judge.

VIRGINIA.

Dec. 8-11. Lynchburg, R. H. Andrews, secretary; J. W. Simons, judge.
Jan. 12-15. Norfolk, J. D. Griffen, superintendent.

WASHINGTON.

Dec. 14-19. Bellingham, M. Galloway, secretary; W. M. Coats, judge.
Dec. 15-19. Spokane, Mrs. H. A. Klussman, secretary; Jas. A. Tucker, judge.
Dec. 29-Jan. 2. Tacoma, J. A. Caddey, secretary; W. S. Russell, judge.
Jan. 11-16. Seattle, W. H. Haven, secretary; Shellabarger, judge.

WEST VIRGINIA.

Jan. 4-9. Charleston, J. C. Byrd, secretary; R. L. Simmons, judge.

WISCONSIN.

Dec. 1-7. La Crosse, Wm. H. Hoesehler, secretary.
Dec. 8-12. Monroe, G. W. Wilkinson, secretary; T. J. Rountree, judge.
Dec. 9-13. Cedarburg, J. E. Greenwall, secretary.
Dec. 9-13. Oconomowoc, O. R. Eddy, secretary; Northrup, judge.
Dec. 17-20. Plymouth, H. J. Dietsch, secretary; J. E. Greenwall, judge.
Dec. 29-Jan. 2. Milton, Rev. Drew, secretary; J. E. Greenwall, judge.
Dec. 30-Jan. 3. Ft. Atkinson, Claire Roberts, secretary; E. G. Roberts, judge.
Jan. 4-8. Madison, J. G. Halpin, secretary; Hackett, Hale, Stanfield, judges.
Jan. 5-9. Chippewa Falls, R. R. Woodruff, secretary; W. H. Laabs, judge.
Jan. 6-10. DePere, Chas. Behrendt, Jr., secretary; Geo. Wells, judge.
Jan. 11-16. Mineral Point, Allen Tucker, secretary; Geo. Wells, judge.
Jan. 11-17. Racine, E. J. Amundsen, secretary; Hackett, judge.
Jan. 12-15. La Crosse, J. L. Herbst, secretary; E. H. Hoffman, judge.
Jan. 14-17. Fond du Lac, Theo. Dilling, secretary; James Tucker, judge.
Jan. 20-23. Green Bay, L. H. Hebel, secretary; J. E. Greenwall, judge.
Jan. 21-24. Oshkosh, Harry G. Simpson, secretary.
Jan. 26-29. Manawa, M. Mitchell, secretary; J. E. Greenwald, judge.
Jan. 28-31. Appleton, Dr. W. L. Farrand, secretary; Wells, Dippel, judges.
Jan. 25-30. Beloit, Guy S. Lee, secretary; T. J. Rountree, judge.



BOLLSTROM'S BEAUTILITY WHITE WYANDOTTES

Cockerels from 253-egg hen for sale. Profusely illustrated mating list showing winnings. "Fashion Plate" is out of a record layer. Stock always, and eggs and chix in season.

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Open the season by winning at the Great Hagerstown Show, Oct. 13th to 17th, 1914, on

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1st cock; 1st, 2d hen; 1st, 2d, 3d cockerel 1st, 2d pullet; 1st old and 1st young pens, champion male and champion female in Orpington classes; while our 1st Buff cockerel wins cup for the best bird in the entire show, 75 birds competing. Write your wants please.

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FORCED SALE Silver Campines

Jacobus Strain For business reasons I am compelled to sell my entire flock of 150 Silver Campines. They are bred direct from Jacobus great New York and Boston winning line Farm raised they are strong and vigorous to a high degree and easily worth double the money I ask for them. I will sell Pullets as low as $2.00, Pens at $15.00, $20.00 and $25.00. "The early bird gets the worm" so order direct from this ad, as they will not last very long at the price I am asking for them. Mention American Poultry Journal.

JOHN BLANCHARD COLUMBUS, WIS.

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One of Our Whites

Buffs I have several hundred choice, early hatched cockerels, many up to standard weight, absolutely solid buff with that wonderful rich exhibition color. Let me send you one on approval. A few exhibition pullets for sale. No exhibition hens but can furnish 200 utility hens at $20.00 per dozen. A bargain this month only.

Whites I am strong on exhibition birds, either cockerels, cocks, hens or pullets. Let me know the show you wish to make and I will quote you price and description. Have at least 400 females to select from consequently am in position to give you breeders at rock bottom prices. I can please you if you give me a trial. At least write me before placing your order elsewhere.

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Both young and old birds. **May 1st** hatched cockerels and pullets fully matured.

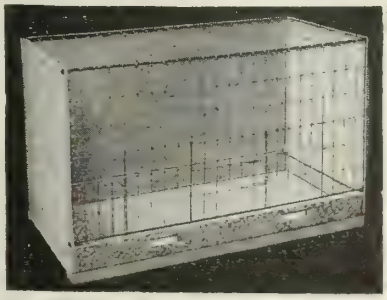
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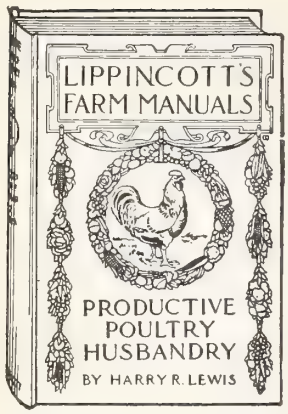
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This book contains 536 pages, 329 illustrations, is fully indexed and put up in handsome cloth binding. It is one of the most comprehensive and valuable books on poultry ever offered to the poultry world. The text is so arranged that it will meet the needs for systematic reading courses, for farmer's clubs, poultry associations and granges. To the farm poultryman the text clearly pictures methods which would enable the average farmer to keep from two hundred to five hundred birds, as "side line" to general farm operations, and realize a handsome revenue.

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In order to get a copy of this great book into the hands of each and every one of our readers, we have made arrangements with the publishers whereby we can furnish you with a copy of **Productive Poultry Husbandry** and a year's subscription to American Poultry Journal at $2.50; or a copy of the book and three years' subscription to American Poultry Journal at $3.50. The price of the book without subscription is $2.00. At these prices we prepay all carrier charges. Order your copy, today address

American Poultry Journal
542 So. Dearborn St., Chicago, Ill.

The Palace Show.

When December 1 comes around New York City will see what, with very little question, will be the finest, most complete and thoroughly up-to-date poultry show ever presented to the poultry world. Its scene is to be the Grand Central Palace, close to the noted Grand Central Terminal on Forty-second street, and one of the city's most remarkable exhibition buildings. The show that is to be given there is the eighth Palace Show. It is widely known everywhere throughout poultrydom as the "Big Eighth" and is of marked importance in the poultry breeding industry for the reason that it opens the poultry show year over the country. A year ago this Palace Show was given the name of the "Lucky Seventh," and it well justified this title. This year's show is being called the "Big Eighth," and it looks as if this would be an exceedingly appropriate name.

How many exhibitors and exhibits there will be no one can tell as yet, but it seems very likely that every record will be beaten and every anticipation excelled. This is to be a show that can best be described as "wonderful." Outside of the regular features that distinguish every poultry show it is to have—and an additional floor of the Grand Central Palace has been engaged for this purpose—a model poultry farm of full size, where all the processes of breeding and marketing are to be carried on along the most modern scientific lines. Not a detail will be omitted, and if the Palace Show had no other attraction it would be well worth the while of every breeder in the country to come to New York to study with care the newest systems for the profitable production of poultry that will be shown here.

To the poultry breeder the Palace Show has one remarkable phase that makes it of the highest possible value to those who patronize it. The experts who are behind it foster with the greatest care and expenditure of many dollars the specialty clubs in poultrydom that are so rapidly increasing and becoming yearly greater factors in the industry. A year ago the Palace Show made an especial point of Buttercups and gave this breed international fame. This season it is to continue its Buttercup campaign and in addition to inaugurate one on Campines. The Empire Poultry Association who give this Palace Show have the keenest regard for these specialty clubs, and their importance in the poultry field, and among the features of this big show of December, will be many banquets and meetings of these specialty organizations, all tending to develop the poultry industry as nothing else will and to firmly cement friendships.

In addition it will be a poultry show along very broad lines, this Palace Show. Those breeders who have fine stocks of White Orpingtons, White Wyandottes, Buff Leghorns, Minorcas, Reds, and White Leghorns should enter without a question. There are to be some famous contests in these breeds, and high honors will go to the winners of these classes.—Cromwell Childe.



The above illustration of the first prize cockerel at the Memphis show, September 26 to October 3, offers convincing proof that photographs of good specimens do not have to be retouched in order to show to the best advantage. There is absolutely no retouching on the picture and the remarkable type and quality of the bird is visible at a glance. Besides winning first cockerel, he also won a number of specials and was the best in the Mediterranean class. There were 350 White Leghorns entered at the show and the quality was the best we have seen for this time of the year. Besides capturing the highest honor in White Leghorns, Mr. Andrews' "Efficiency" strain did equally well in Barred Rocks.

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Cockerels that are the right color and at the right price. Drop us a card.

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BUFF ORPINGTONS BLUE

My specialty is exhibition females. Birds suitable for any show. Prices right—satisfaction guaranteed.

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R. C. WHITE LEGHORNS

Fawn Runner and Colored

MUSCOVEY DUCKS

Winners, 1914, at Cleveland, O., Brockton, Mass., New York State Fair. Bred for profit as well as fancy. Write me your wants. Honest prices and fair treatment.

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Riley's Barred Rocks

Winners for any show. I have raised the finest lot of youngsters from my Madison Square Garden and Boston winners that I have ever had and can supply your needs for the strongest competition. Also breeding birds that will produce winners.

HENRY D. RILEY

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Orr's Poultry Feeds

are made by a thoroughly posted miller and poultryman who knows the needs of poultry and how to supply it. If you seek the best results you must feed the best mixture. We have the standard of perfection, absolutely an individuality of its own

Send for circular and price list.

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UNION STOCK YARDS CHICAGO, ILLINOIS

LAST CALL

Entries Close November 16th, 1914

PALACE SHOW

NEW YORK CITY

December 1 to 5, 1914

L. D. HOWELL, Sec'y Mineola, N. Y.

IDEAL WHITE

ORPINGTONS

IMPORTANT NOTICE!

Change of Location, but

NO CHANGE OF MANAGEMENT

The IDEAL ORPINGTON FARM, formerly of Lombard, Illinois, has moved to Dee, Hood River Valley, Oregon, where, on 160 acres of land, we will continue to breed the acme in quality of White Orpingtons. We solicit your continued inquiries and patronage. Mention American Poultry Journal.

IDEAL ORPINGTON FARM

Chas. W. Green, Mgr., Dee, Hood River Valley, Ore.

Seven Acres of Fashion Plates.

When we say seven acres of fashion plates we mean S. C. Buff Orpingtons as bred by A. E. Martz, Arcadia, Indiana, and this is what you will find on his farm. Nothing short of the genius Mr. Martz is, could so cleverly arrange buildings and yards so as to utilize every foot of space to best advantage and handle 2,500 Buff Orpingtons and range raise them on so small a farm, but he does it and is acknowledged the biggest exclusive breeder of this grand breed in the world. Every year sees progress in the quality of his young stock; anything but a golden buff and buff to the skin is practically unknown on his farm and when it comes to type his birds are true to name in every respect. He was never before better equipped to handle show customers and can give greater value than ever in the birds he ships.

So famous are the Fashion Plate Buff Orpingtons and so grand is their long show record, Mr. Martz could rest on his laurels and never show again, but not him, he must be in the game with his string of winners the whole show season. This season he starts off with the great Forest City show with its 5,000 or more entries and as usual he wins three firsts, two seconds, display and minor places. Get his catalogue and get an idea of how his plant is arranged and get his whole show record and other valuable information. Write him for prices of stock and mention American Poultry Journal.—H. H. Coburn.

Mr. Fred C. Lisk.

It is always a pleasure and one of special interest to visit a plant and poultryman like Mr. Fred C. Lisk of Romulus, N. Y., a plant where the owner is the manager and worker and who devotes all his own time to his poultry, for this kind of place spells success, and if improvement and success were ever evident anywhere it was to be seen here.

Mr. Lisk has a beautiful home and poultry plant. Just at the edge of the village and within easy walking distance of the station we found him with overalls and jumper on, busy among his large and extra fine flock of White Wyandottes and we could not help but congratulate him on the appearance of the stock and plant, for all showed up so well, clean and practical.

We have known Mr. Lisk for a great many years and at this our first visit to his place found just what we had expected of him, a plant built for business and comfort, for the correct growing of stock, and also a line of breeders and youngsters of special and great value. The buildings are practical and so arranged to make the labor easy, they are of the open-front plan, roomy and clean, with large breeding yards planted to fruit trees. The young are separated according to size and sex and all have very large yards covering acres of ground with a strong sod covering, and all have plenty of shade and sunshine.

At the time of our visit, October 7, as was expected, we found the breeders in moult, still there were several cocks and hens nearly finished that were showing their true quality. Two yearling cocks in particular were noted that would add glory to any class or show right now. They were full, deep, stood up clean and with great spread tails, fine backs, and full arched necks with small, well-set combs make them as rare a pair as we ever expect to see, two others of the same class were nearly as far along and several others had just about started to moult; one of these Mr. Lisk considers his best and we hope to meet him later, for we do want to see him finished; he surely has the "makings."

In young Mr. Lisk has close to 700 which are now divided into four flocks, two each of cockerels and pullets. Here was a yard of about 100 cockerels that are rapidly nearing maturity; some have arrived at that stage, while others are coming fast. They were an extra even lot with shape a particular feature. In form they were alike broad and deep fellows with excellent strong bone, legs well set and placed, select heads and absolutely pure white with strong red eyes and good yellow legs. Vigor and constitutional strength was evident in all, and we did not see a knock-kneed or green-eyed bird on the place. The yard of younger cockerels was also very interesting and Mr. Lisk would point out promising birds with a pride for which we commend him. He knows his birds, knows what he has been breeding for and knows what he can expect of these. So do we.

The yards of pullets were next seen and here we hated to leave, for here again we found the same quality and the same conditions noted among the cockerels, a rare and fine collection with shape and uniformity the outstanding feature.

The yards all have a south and west slope

Big book ad on page 1290

GOLDEN QUEEN

Won 4th at Boston 1913 and 1914, and laid **248 eggs in a year** or 20⅔ dozen, weighed 31 ounces to the dozen, nearly 6 times her own weight. Twenty of her pullets averaged 216 eggs a year. **My stock,** the kind "that lays, wins and pays." **World's Best Buff Rocks,** "as above." Also Barred and White Rocks, Wyandottes, Orpingtons, Leghorns and R. I. Reds. Grand pedigreed cockerels out of 200-egg hens. Also pullets and the hens themselves. Leading winners 1914 Fall shows, Syracuse, N. Y., Vermont State Fair and Brockton.

Sunnyside Poultry Farm, Box 1002, Bristol, Vt.

STILES' COLORED Leg Bands

DURABLE, PRACTICAL, ECONOMICAL

Provide instant identification without handling. Identify birds as far as you can distinguish colors. Tell the age of poultry, which are yearling hens and which are older, your different matings, and so on.

8 Colors—Red, White, Pink, Amber, Blue, Black, Ruby, Green.



SINGLE COIL BANDS—for adult fowls. 25-35c; 50-60c; 100-$1.00; 250-$2.25; 500-$4.00.



DOUBLE COIL BANDS—for adult fowls. 12-25c; 25-50c; 50-85c; 100-$1.50; 250-$3.25; 500-$6.25.



BANDS FOR GROWING BIRDS—(2 sizes, state age) 12-20c; 25-35c; 50-60c; 100-$1.00; 250-$2.25; 500-$4.00.



BANDS FOR DAY OLD CHICKS—Six colors: Red, Blue, Black, White, Pink, Amber. 12-15c; 25-25c; 50-40c; 100-75c; 500-$3.50.

Mention your variety when sending your order.

CHAS. L. STILES

232 N. Third St. COLUMBUS, OHIO



Patented

A SHIPPING COOP FOR FANCY FOWL

weighing considerably less than a wooden coop, yet sufficiently strong and durable to carry the heaviest fowls in safety.

The Eyrie Shipping Coop

reduces express charges to absolute minimum.

Made in three parts, body of corrugated paper, top and bottom of wood. Protection is assured from weather conditions, rough handling and damage to plumage.

Stock Sizes are—	L.	W.	D.
	12	16	18
	12	18	22
	12	22	22
	20	22	22
	20	24	22

Sample sent prepaid express on receipt of 25 cents.

Makers of Eyrie Egg Box, Anderson Folding Egg Box, Sefton Live Chick Box, Parcel Post Boxes.

Write for our Express and Parcel Post Package Booklet.

THE SEFTON MFG. CO.

1329 W. 35th St., - - Chicago, Ill.

EXHIBITION STOCK FOR SALE now. Pure Crowther Strain. Cockerels $10, Pullets $5. Great chance.
BELL-VISTA FARM Mentor, Ohio

Stock eggs for hatching—day-old chicks. MOUNT PLEASANT FARM, Mount Pocono, Penna.

CRYS-CO GRIT (PETRIFIED SHELL)
98% Pure Carbonate of Lime.
More eggs, harder shells, healthier hens, cost 1c per pound. Ask your dealer, look for trade-mark, write for booklet. W. A. REUBITZ & CO., St. Louis, Mo.

ADJUSTABLE CLINCH BAND—Strong and Durable

EASY TO PUT ON. 25-20c; 50-35c; 100-65c; 200-$1; 1000-$4.25. No stamps. Return if not satisfactory. Samples free.
FRANK CROSS, Mfgr.
Box 506 Montague, Mass


BROWN LEGHORNS
The kind the fancier delights in. Winners at Boston, Chicago, Madison Square. Show birds and breeders for sale. Can furnish winners now. Write for circular today. Free.
W. H. WIEBKE
Box P348 Ft. Wayne, Ind.

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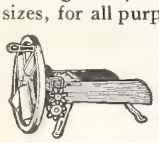
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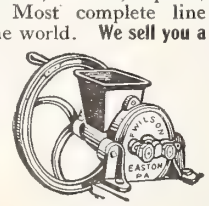
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Carrier 50 ST. PAUL, MINN.

WRITE QUICK FOR WILSON BROS. NEW ILLUSTRATED CATALOGUE


Crown Bone Cutter, $8.50 Without Legs, $6.50

It tells all about the celebrated **Wilson Bone Cutters, Clover Cutters, Grinding Mills, Feed Mixers** of all sizes, for all purposes. **Hand and Power.** Used by poultrymen, farmers, stores and families thirty-five years, for clover, roots, grains, bones, shells, grit, fertilizers, coffee, spices, etc. Most complete line in the world. **We sell you a stronger, quicker, easier running, more practical, better mill or cutter for less money than you can buy anywhere else,** and absolutely guarantee satisfaction. Get catalogue today for reference.


Gem Clover Cutter $9



Grain and Shell Mill, $5.00

Wilson Bros.
Dept. 201, Easton, Pa.

and as we stood at the entrance for a look back over the heavy grass-covered yards the youngsters in their pure white dress flecked the surface in all directions, a sight impressive and one long to be remembered.

Mr. Lisk's birds have years of his careful breeding back of them and also a most excellent show record, for birds of his breeding have won in his hands and those of his customers at most of the leading shows East and West, including Boston, Chicago, Baltimore, Pittsburgh, Indianapolis, Rochester, Elmira, Syracuse, the Auburn (N. Y.) A. P. A. show where on 10 entries he won cock 1-2, hen 1-2, cockerels 1-3-4, pullets 1-3, pen 1, and twenty or more special prizes.

Mr. Lisk is in the poultry business to stay. He knows the breed and their demands and his every effort is to please his customers, which he does, for he entertained us for over an hour showing us letters from the satisfied buyers of the past year or two. He now has a grand lot of birds for the early shows to offer and will have them fit for any show any time this season. Here is a breeder and a line man we are pleased to recommend for such are most worthy of every success—it is their due.—H. P. Schwab.

Rose Comb Rhode Island Reds.

We always have our expectations keyed up when we visit Mr. D. Williamson, owner of Longfield Poultry Farm, Bluffton, Ind., and we are never disappointed, either with this genial gentleman's welcome nor the wonderful quality of his Rose Comb Reds. Mr. Williamson is one of the veteran breeders of high-class Reds. He is still a young man and sees a long and bright future for the Longfield Poultry Farm.

His young stock this season came through with great vigor and he has 1,500 in number. He can fit you out in utility stock, good breeders and show birds fit to win in any show room. The Longfield Rose Comb Reds have won for years at Chicago and other great shows and this year more and still better ones are ready to acquit themselves from coast to coast.

Mr. Williamson was among the first to use very dark red birds and now there is no demand for any other color; dark red being the most popular color in the show room today. Write for prices on exhibition cockerels or any class of birds you desire.—H. H. Coburn.

Wilburtha's New "General Staff."

Just take note of what's recently happened at the Wilburtha Poultry Farm, Trenton Junction, N. J. Then add to that its past splendid record and you'll probably agree that it bids fair to win some of the greatest battles for poultry supremacy, both at the show and in the yard, ever waged.

Here's what's happened: Mr. Charles J. Fisk, the owner, after much sifting, weighing, eliminating and other processes in selecting the right management, announce the following:

Mr. Geo. Kerr, formerly manager of Dune Alpin Farm, East Hampton, Long Island, is to be general superintendent. As a breeder of Leghorns and manager, Mr. Kerr has no peer. His reputation is nation wide. He brought with him the entire lot of wonderful prize winning S. C. White Leghorns from Dune Alpin and is to personally manage the birds of this breed at Wilburtha.

Mr. D. C. Keyler, formerly with Mr. C. D. Cleveland, Sunnybrook Farm, Eatontown, N. J., is to have charge of the Columbian Plymouth Rocks and Columbian Wyandottes. He, too, is second to none with his breeds.

Mr. Thos. Lockwood, formerly superintendent of Monmouth Farms, Freneau, N. J., is to have charge of the incubating and brooding. With his long extended and highly successful experience in this line and with Wilburtha's splendid equipment, this farm's ability in the custom-hatching and baby-chick line will certainly be greater than ever, and it has long held a foremost place in this respect.

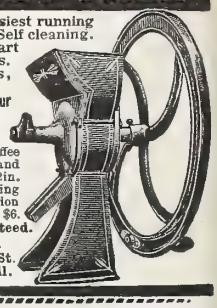
Now add these recent events to those of the past. Put these men at work with the birds that have won hundreds and hundreds of honors and have always been "one shade better" than the others at Madison Square, Grand Central Palace, Hagerstown, Allentown, Paterson, Plainfield, Red Bank and other shows innumerable, and what have you? An array of talent, judgment, experience, birds and equipment that's invincible.

Wilburtha is going right on supplying its much-envied consumer trade in New York City with "24-hour eggs," and big tasty broilers. Utility is the first consideration and breeding must be to that end. Wilburtha birds, comprising "the best all around strains of the best all around


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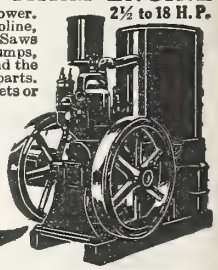
Saddles	$3.00 up	Army Revolvers	$1.65 up
Bridles	.90 "	" B-L Rifles	.98 "
Team Harness	21.85 "	" Swords	.35 "
Leggings, pair	.15 "	" 7 Shot Carbine	3.50 "
Tents	2.85 "	New Uniforms	1.50 "

Colts Cal. 45 Revolver $7.45. Ctgs. 1c each. 15 Acres Government Auction Bargains illustrated and described in 420 large page wholesale and retail cyclopedia catalogue, mailed 25 cents East and 30 cents West of the Mississippi River.
Francis Bannerman, 501 Broadway, New York

$5 Humphrey's Wonder GRIST MILL
Simplest, easiest running mill built. Self cleaning. Mill taken entirely apart by loosening four bolts. Grinds corn, oats, barley, rye, etc. Capacity 2 to 7 Bushels per hour Grinds fine or coarse. Special process chilled iron. Self-sharpening grinding rings. Can grind meal, coffee and spices for table use. Hand wheel 20in. Power pulley 12in. x 2in. ½ to 1 H.P. Shipping weight 55 lbs. Combination hand and power machine $6. Ask for catalog. **Guaranteed.**

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HUMPHREY, Avon St.
Factory, Joliet, Ill.

PILLING *Easy to use* **CAPON TOOLS**


MORE THAN DOUBLE YOUR COCKEREL PROFITS
Capons grow twice as large on the same amount of feed and bring twice the price per pound.
Capons bring 30c per lb. Roosters 15c
Complete set of reliable, practical, easy-to-use Capon Tools —full, illustrated instructions included. Parcel Post prepaid. **$2.50**
G. P. PILLING & SON CO. Phila., Pa.
Send for FREE Capon Book

$18.30 PER HORSEPOWER
Can you buy a horse for $18.30? No! Yet you can get a six horsepower
DETROIT FARM ENGINE
for $18.30 per horsepower. Runs on Kerosene, Gasoline, Alcohol or Distillate. Saws wood, grinds feed, pumps, etc., does any job around the farm. Only 3 moving parts. No cams, gears, sprockets or valves. Positive satisfaction ten year guarantee. 30 day money back trial. We want farmer agents everywhere. Write for particulars.
Detroit Engine Works
128 Bellevue Ave., Detroit, Mich.
2½ to 18 H. P.


Our Championship English 200-Egg Strain
Improved layers — the stock that has made wonderful, winning records in all the important egg-laying contests.
Now is the time to buy—we have a limited number of **Breeding Hens, Early-Hatched Pullets and Cockerels,** ready for immediate delivery.
WORLD'S GREATEST LAYERS
Our contest records prove that we have the greatest egg-producers ever bred.
S. C. White Leghorns
White Wyandottes
S. C. R. I. Reds
Buff Orpingtons
Most Profitable Poultry Known

Write today for full information and our copy of "The 200-Egg Hen"—full of valuable information about heavy layers.
PENNSYLVANIA POULTRY FARM
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POULTRY CUTS
Our new catalog now ready; latest and best designs; all varieties; ask for it today
Chas. L. Stiles, Columbus, Ohio

Throw Pearl To Your Hens
Then watch results. There's no better grit—no better egg maker—no better health food for all poultry than
PEARL GRIT
It makes shells, makes eggs, makes feathers. It serves a double purpose. Send for prices and our new valuable poultry booklet.
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THE MARK OF POULTRY QUALITY
The Tywacana Farms Indian Head signifies hardy, vigorous birds of great laying ability.
TY-WAC-A-NA
White Leghorns, Barred and White Plymouth Rocks have years of utility breeding back of them. They are large, beautiful, thrifty and profitable birds. Write for catalogue.
TYWACANA FARMS POULTRY CO.
Box 53 Farmingdale L. I., N. Y.
TYWACANA FARMS POULTRY CO.

Pure Bred Day-Old Chicks

Capacity 35,000 per week
Finest Quality
Lowest Prices
Engage now for Spring Delivery
M. Uhl & Co.
New Washington, Ohio

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24 PAGES FULL of MONEY MAKING HINTS
Contains Information Never Before Published!
In this book J. Willard Bolte, B. Sc. in Ag. tells of his 15 years' experience with poultry.
He tells—
How to Increase the Winter Egg Yield
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A clean, wholesome Meat Feed—recommended by expert poultrymen. Contains 50 per cent more protein than meat scraps—increases your egg yield and fattens your chicks.
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Send a postal—giving your dealer's name—and get a free copy of this famous book—today.
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Dept. 2 U. S. Yards CHICAGO

breeds," have fine laying habits in addition to "fine feathers."

Don't you think that with the present personelle and investment in birds and equipment it is imperative, more than ever, to sell nothing but the best of breeders, the freshest of eggs and the finest of broilers?

Better send in your name today for the big Wilburtha catalog about to be sent out. It's a beauty. Free, too.

—o—

Single Comb Reds.

B. H. Scranton, of Rising Sun, Ind., has again outdone the quality of his Single Comb Reds. When I visited him in early September he had cockerels with finish enough for the show room, the grandest I ever saw, and his pullets will never be beaten for beautiful color. Mr. Scranton has great skill in mating Reds and he is never defeated in the show room. The past season he has had wonderful success with his young stock, this to a great extent due to the great vigor in the parent stock. The quality is not all in the young stock, his hens are molting red and his cock birds are retaining wonderful color. The Scranton Reds are models of type and he lays great stress on fine head points.

He is in position to furnish winners for any show room and has a goodly number of utility birds to sell. Get one or more of those wonderful cockerels. Write for them today; they are going fast.—H. H. Coburn.

—o—

A Visit to the Poultry Plant of Eugene C. Smith.

It has been the writer's pleasure to visit a great many poultry plants, both large and small, from those breeding the "best in the land" down to those simply "raising chickens," and in all our travels never, at any time, have we seen a more thoroughly conducted, down-to-date plant than that of Eugene C. Smith, 317 Galena boulevard, Aurora, Ill., and this goes without any apologies.

Mr. Smith is one of the most enthusiastic breeders in the business today and is the greatest student of the mating proposition with whom we have ever talked on the subject. He knows a White Leghorn from "A" to "Z" and knows how to produce them. Many breeders produce an occasional "happen-so" good one, but not so with Mr. Smith; the same uniformity of type, snow-white plumage, prevails throughout his entire flock and all show the same graceful, racy type, with the beautiful curves, without which you cannot have real Leghorn type.

In one yard we saw twelve pullets which Mr. Smith had selected and started to condition for his customers for the winter shows, and in our opinion they are the twelve best we have ever seen in one yard. All had excellent five-point combs, correct type, splendid backs, low spread tails; in fact, they showed such uniformity of type that it was difficult to distinguish one from the other. The un-retouched cuts of two four-months' old cockerels, printed elsewhere in this issue of this journal, gives a good idea of the prevailing type of males bred on this plant.

Mr. Smith just furnished one of his customers with a cockerel that won the blue in the largest class of Single-Comb White Leghorns ever shown to date.

He informs us that he has shipped his stock this season to a large number of shows,

SILVER LACED WYANDOTTES
America's beauty strain cockerels $2 and $3. (March birds.) Write us your wants.
EWING & ROMICH Lock Box 393 **CRESTON, OHIO**

World's Best Strain S. C. Buff Orpingtons
Some choice hens at a bargain price; few cocks and 300 young birds of superior type. Write me.
P. F. CLARDY ETHEL, MO.

ORPINGTONS
If you want birds which will win at your shows or high class breeders in either Buff, Black, White or Blue Orpingtons, we can supply you. We have made arrangements with one of England's most successful breeders, whereby, we can furnish birds of the highest quality at very moderate prices. These birds are of wonderful size, type and color. If you want the **genuine English Orpington** let us import same for you. State requirements and price you wish to pay and we will get you just what you want. Our motto is to give satisfaction. We also have birds from our own breeders as good as the best in this country at prices which are right. Write us your wants and let us quote you prices. Catalogue free.
BRUCE-CROFT POULTRY FARM
Home of Orpingtons Lynbrook, L. I., N. Y.

BIG MONEY IN SQUABS
Pleasant, paying work, city or country. Starts small, grow big. Our book "How to Make Money Raising Squabs" tells all. Sent FREE. Write for it today. AMERICAN CO., B11, Brighton, Colo.

Don't Feed Green Food!
Do away with the bother by using
Succulenta Tablets
They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail $1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to **The Succulenta Co., P. O. Box 405-1, Newark, N. J.**

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Improved Champion Strain Silver & Golden **Campines**
The fowl with sterling merits and ancient pedigree and the most noted utility and exhibition strain in the world.
Campinology—Third edition.
"The Story of the Living Egg Machines." The most costly and complete work ever attempted on **Campines** for ten cents.
J. FRED N. KENNEDY
BOX 17 BIRCH CLIFF, ONTARIO, CANADA

FISKE'S WHITE LEGHORN'S

Those Prize Winners You Want; Order Now
RIGHT NOW, I have some particularly promising S. C. Whites. Every time I look my birds over, it makes me feel mighty cheerful. Some of them are such exceptional ones I shall dislike very much to part with them, but my business is selling birds—not keeping them. So here's your chance to get birds of the true Fiske Strain.
Birds that are direct descendants of my great Fiske winners, that have walked away with so many ribbons at the principal shows, all over the country.
Earlier than ever this year, we are getting inquiries about my Tip-Top Class, and sales have been surprisingly brisk.
So if you want some of these likely prize winners; it certainly looks like good sense to get after us right away.
Want some laying pullets at $1.75—or a few yearling hens at $1.50 up?
HARLO J. FISKE
WHITE LEGHORN FARMS
891 F Westfield St., W. Springfield, Mass.


THE MILLER FRESH AIR HEN HOUSE
Ready-made—Comes in sections—Bolts together in few hours' time. For city and country, very attractive. It's the latest improved and most practical hen house on the market. Write for printed matter on portable hen houses, garages, barns, cottages, corn cribs and sectional buildings of every description. Write today. **The Miller Manufacturing Co.** 8001 Alabama Avenue, St. Louis Missouri

The Raven's Rose Comb Red
sale of breeding stock at a big reduction.
M. C. De LOOF Box 171 WILLOUGHBY, OHIO

Keifer's White Wyandottes
Some beautiful cockerels and pullets now ready to win your State Fair, or early Fall show.
FRED B. KEIFER MARSHALL, ILL.

BARRED PLYMOUTH ROCKS
That win. Write us before buying elsewhere.
SUNNY SIDE POULTRY FARM
J. J. Klein, Prop. Macon, Illinois

BAWDEN'S BUFF PLYMOUTH ROCKS
are big, vigorous, great layers, fast growers, finest yellow feather, yellow flesh table fowl, and the greatest exhibition strain in the world. Ask for 1914 egg cat.
JOHN BAWDEN Box 20, Ridgetown, Ontario, Can.

ROSE COMB MINORCAS
First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free
G. A. CLARK SEYMOUR, INDIANA

McDanell's Golden Wyandottes
Over 1000 prizes won. Better every year. Write for prices. Mention Am. Poultry Journal.
OLD HOMESTEAD FARMS J. H. McDanell WARSAW, KY.

BLUE ORPINGTONS
The best stock and quality. A few choice show birds
Adoph Lehne Mechanicsburg, Ohio

Wanted Position as Poutryman. Expert on Orpingtons.
Art C. Gilbert, So. Lincoln, Mass.

S. C. W. Leghorns and Anconas
EGG LAYING STRAIN
THE KELLS FARMS, New Paltz, N. Y.

Golden and Silver Campines
Limited number of yearling breeders for sale. Now is the time to buy them right.
MANHATTAN FARMS
Geo. E. Noeth, Owner Brighton, N. Y.

I WILL select about 50 cockerels from about 1000 S. C. White Orpington chicks raised, 4 and 5 point combs, perfectly white, correct eyes, heavy bone, raised out on range and hardy. I'll only have 50. Let me book your order now for your wants.
DR. J. J. BOONE MT. VICTORY, O.

We Have a Big Proposition for You



If you want one portable house for keeping a few chickens on your back lot, or if you want a number of colony houses, do not fail to write for circulars and prices on portable chicken houses. Many styles and sizes. Shipments made from coast to coast. Prices $9.00 to $50.00. Write for circulars to-day. Mention A. P. J.
The Lytle Lumber Company, Deshler, Ohio

SINGLE COMB BUFF
ORPINGTONS
500 early hatched youngsters ready to lay ..... $2.50 to $5
Yearling Hens..... $2 Cocks..... $3 to $5
Cockerels....$3 to $10 Pens.....$10 to $50
OLD FORGE POULTRY FARM
SPRING GROVE PENNSYLVANIA

Wh. Wyandottes
Won silver cup for best display at Philadelphia, 1913. 200 breeders for sale at $2, $3 and $5 each. Send for free catalogue.
Carr Bros.' Celtic Poultry Farm
VINELAND - - NEW JERSEY

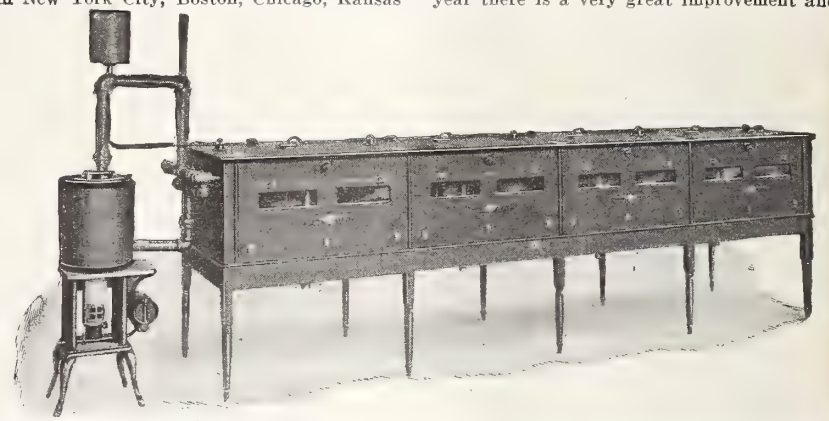
from the hotbed of White Leghorns in New York State to the far western border of the coast; from the Canadian border on the north to the Sunny South; and in not one instance has the stock sent out by Mr. Smith this year missed winning the blue.

The demand for Mr. Smith's Leghorns has increased by such leaps and bounds the last few years that he has been unable to keep pace with the demand. This bears testimony to the fact that the Single Comb White Leghorns bred and raised on this plant are all that is claimed for them—"As Good as the Best"—while at the same time it speaks volumes for the honesty and integrity of Mr. Smith.

Mr. Smith's catalog is one of the neatest we have seen and will be gladly sent free upon request to those interested.—J. C. Johnston.

Cyphers Semi-Mammoth Incubators Now on Sale.

Cyphers Incubator Company, Buffalo, N. Y., with branch stores and warehouses in New York City, Boston, Chicago, Kansas City, Mo., and Oakland, Cal., has placed on the American and foreign markets what it calls the Cyphers Semi-Mammoth Incubator, doing so in response to an increasing number of requests for hatching machines of 1,200 to 3,000-egg capacity that embody the patented principles which have made mantled at will. Each egg chamber has four egg trays, each tray holding 100 hen eggs, which size makes these trays easy for man or woman to handle.



A highly important feature of the Cyphers Semi-Mammoth is that every egg chamber has separate regulation, thus taking care of the animal heat, as incubation progresses and also doubly protecting all eggs against harmful variations of temperature. One chamber or compartment at a time can be filled with eggs, then a week or so later another can be filled, each to be regulated separately as conditions may require during the Cyphers Company lamp-heated incubators world famous. An illustration, made from photograph, is shown herewith of a Cyphers Semi-Mammoth that holds 1,600 eggs and is heated by a blue-flame oil stove. Larger sizes are heated by gas or hard coal.

As may be seen in the picture, this Semi-Mammoth does not require a heater pit, nor call for the handling of coal or ashes. The machine stands free on the floor of any apartment and can be moved about or dis the first, second and third weeks of incubation.

See advertisement of this latest "wholesale hatcher" on another page of this issue and when writing to Cyphers Incubator Company for descriptive circular and price list please mention the American Poultry Journal.

Aldrich Farms.

I have had the pleasure for the past three or four years of visiting annually the wonderful Aldrich Poultry Farms adjoining Columbus, Ohio, and each year I find the quality of the stock much improved. This year there is a very great improvement and a much greater per cent of the best White Orpingtons to be found anywhere. Visitors come from all parts of the United States to see these birds and Mr. Aldrich has obtained some very long prices for birds for the early shows.

The Aldrich method is to hatch and raise chicks with hens. This natural method gives great vigor and hustling qualities. There are two thousand ready to win anywhere at any time. It will be remembered by lovers of the beautiful White Wyandottes what winnings the Aldrich Poultry Farm birds made at Chicago and Madison Square Garden last year. This is only a part of their long show record. If you want to be sure of a blue ribbon get in touch with the Aldrich Farms and write them stating just what you want and get one of their fine catalogues that shows the farm, buildings, and birds most satisfactorily. Write now.—H. H. Coburn.

GOLDEN WYANDOTTES
I have bred them for nineteen years. I won nine out of a possible ten firsts at Boston, 1913 and 1914. I have stock for sale that will improve yours, or will start you right in breeding these beautiful birds. LOREN H. BROWN, Lock Box 16, Lunenburg, Mass.

Owen's Silver Laced Wyandottes
Get our prices on trios and pens. We have some extra good bargains.
R. D. OWEN - - - - - CRESTON, OHIO

Acme Strain Barred Plymouth Rocks
None better; prices reasonable. They are going to win from fall fairs to winter shows, better let it be for you.
ACME POULTRY YARD C. A. Gifford, Prop. RUSK, TEXAS

"THE VIGOROUS STRAIN"
Silver Campines
ARE READY TO WIN FOR YOU!
During 1914 our Campines have won as follows: Boston Show, 1st and 2nd Cockerel; 4th and 6th Pullet; 3rd Exhibition Pen and American Campine Club Special. At the recent New York State Fair our winnings were: 2nd and 3rd Cock; 2nd and 3rd Cockerel; 1st and 4th Hen; 2nd Exhibition Pen; 2nd Display and American Campine Club Special. If you are in need of show or utility stock write us. We can supply you at reasonable prices. Satisfaction guaranteed. Address
HOMESTEAD CAMPINE FARM Box A WAYLAND, MASS.

We want "your brains"—read the editorial—"Give Us Your Ideas."



The "Signet" Aluminum Leg Band
Adjustable—Signifies Quality
Price 12-15c; 25-20c; 50-35c; 100-60c.
"Silver Tip" Pliers for applying all kinds of bands. Price 10c, 3c extra for postage. Mention A. P. J.
W. J. BALL, SALEM, OHIO



SPECIAL SALE OF YOUNG STOCK

	Ckls.	Pits.	Trio
Silver Campines	$3.00	$4.00	$10.00
W. C. B. Polish	3.00	3.00	8.00
Wh. Wyandottes	2.00	2.00	5.00

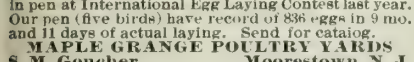
J. C. COFFIN & CO., Box A, Sewickley, Pa.

BARRED PLYMOUTH ROCKS
210 Eggs in 259 Days, the record of one female in pen at International Egg Laying Contest last year. Our pen (five birds) have record of 836 eggs in 9 mo. and 11 days of actual laying. Send for cataiog.
MAPLE GRANGE POULTRY YARDS
S. M. Goucher Moorestown, N. J.

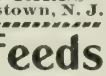
H-O Poultry Feeds

—for a healthy flock and larger profits. They include: H-O Steam Cooked Chick Feed, Intermediate Scratch, Scratch-Feed, Poultry Feed, Dry Poultry Mash or Chick Feed. Write for sample and prices.
H-O COMPANY Buffalo, New York

The Champion Improved Leg Band



Aluminum, numbered to suit. Postpaid 100-35c; 50-20c; 25-15c; 12-10c. Initial extra 10c per 100; 50 or less 5c. Circular free giving prices on Superior, Riveted and Pigeon Bands. Sample for stamp.



T. CADWALLADER, Box 1452 Salem, Ohio

EG-O Milk Albumen

Unequaled as an Egg Producer. 55 to 60 per cent Protein. Made from milk. Makes more and larger eggs; bigger and better chicks. Send for circulars.
INNIS, SPEIDEN & COMPANY
120 W. Kinzie St. (Est. 1816) Chicago, Ill.
Main Office; Branches;
46 Cliff St., N. Y. Boston and Philadelphia

From Embryo to Feathered Bird
you can rely absolutely on Hall Mammoth Incubators, Sectional Pipe Brooder Systems, Coal Heated Colony Brooders. Investigate

Hall Mammoth
Equipment
Save operating expenses. Raise more and better chicks. Write today for catalog
HALL MAMMOTH INCUBATOR CO.
132 Southern Avenue Little Falls, N. Y.



Blencoe's Anconas

Pullets laying since July 7. Great show Cockerels—Rose and Single Comb. Write me if you want a really good bird.
MRS. GUY BLENCOE Alma Center, Wis.

A Few Facts About Keeler's White Wyandottes.

There have been many attempts made by the writer and others to do justice to Chas. V. Keeler's White Wyandottes, and Keelerville through the columns of American Poultry Journal. This time we are going to leave Keelerville to be seen by the eye or through the beautiful and well-written catalogue Mr. Keeler puts out. The free use of printers' ink doing its part for the phenomenal success of Mr. Keeler and his White Wyandottes.

We positively cannot describe the quality in mere words: it takes the eye to grasp that. Every year we think his Wyandottes are as near perfection as White Wyandottes can be bred, but each succeeding year we see a great improvement in the size, type, head points and snowy whiteness of the youngsters, and each year we see how the old birds stay white, regardless of the sun or hot weather. The fact is, Mr. Keeler has experimented with adverse conditions to test their stay-whiteness and they come through stay-white.

Mr. Keeler is among the few successful ones who succeeded in raising a large number of young stock and without loss to the old birds, but Keelerville has abundance of shade and fresh water to make them comfortable and being range raised for years and years they have the vitality to combat any extraordinary weather conditions.

If we tried to describe the birds in detail we could not pass a one without raving over its individual merit, and space would forbid that. Again, if we just gave Mr. Keeler's long list of winnings it would be as monotonous as a weather report, in that it would be the same thing over and over, namely: 1-2-3-4-5 cock, 1-2-3-4-5 hen, 1-2-3-4-5 pullet, 1-2-3-4-5 pen, special grand champion, etc., etc., for show after show, year after year. As before stated, we will let you visit Keelerville or draw your conclusions from the above-mentioned catalogue. Write today for prices and be sure to state definitely just what you want. Mr. Keeler has booked many shows to judge as his services in that capacity are much sought after.—H. H. Coburn.

Get Right on Poultry Supplies.

Write Otis & Moe Manufacturing Co., Otis Building, Chicago, for their complete free catalogue No. 5, just issued, which describes the many new and useful devices for the poultry raiser added to their line since last season. Among these is a Sectional Oat Sprouter, advertised elsewhere in this issue, that will appeal to all poultry raisers.

There is nothing like green food in the winter time for increasing your egg yield when prices are high. This sprouter is made in adjustable sections adapted to any size flock, for as your birds increase in number add another section, and each section increases your green food capacity for 50 more fowls.

Made entirely of heavy galvanized iron, with no wood to warp or fall apart, and with a special fresh air feature that prevents the grain from moulding or becoming sour, but supplying plenty of heat and moisture at the same time.

Any breeder that has used one of these most convenient devices would not part with one for the price of two.

Leg Bands

Tell the Age of Poultry

Tell which are yearling hens and which are two year olds. For laying purposes it does not pay to keep hens after the second laying season. The pullets and the yearlings are the profit makers.

LEG BAND your birds and then you will know which to keep and which to kill or sell.

Our bands are made from heavy aluminum, have smooth edges, locks with double clamps, are numbered with large **RAISED FIGURES.**

Prices, either kind:—12-15c., 25-25c., 50-40c., 100-65c., 250-$1.50, 500-$2.75, 1000-$5.25.

CHAS. L. STILES
LEG BANDS



The Favorite Six sizes

232 N. 3rd St.
COLUMBUS, OHIO



The Capital Adjustable

S. C. BROWN LEGHORNS
Can supply you with choice young stock for early shows reasonable, from my famous "Ever-Lay" strain, line bred for years; persistent winners at all America's leading shows.
H. V. Tormohlen Box 2 Portland, Ind.

Clemans' Columbian Rocks
THE ORIGINAL BIG-BONED TRUE ROCK TYPE
F. M. CLEMANS, Mechanicsburg, Ohio

100 year-old S. C. White Leghorn Hens
at a bargain if taken quick.
20th CENTURY HATCHERY, Chatfield, O.



ORPINGTONS BUFF AND WHITE
SILVER CAMPINES
A fine lot of yearling exhibition and breeding birds. Also youngsters at very reasonable prices. Catalog free; write
C. A. KEEFER, (AJ5) Muskegon, Mich.

SCHULTZ'S Buff Wyandottes

I have a nice lot of young and old stock from which I can select grand show birds and excellent breeders. My prices are reasonable. If interested, write
W. F. Schultz, Box 97, Cuyahoga Falls, O.

BLUE WAVE BARRED ROCKS
The sensational winners at the Great St. Louis Coliseum Show, 1913, winning 1st and 2nd pullet, special for best shaped female, also second pullet mated ckl. In 1912 I won 1st cockerel, 2nd pullet and 2nd pullet mated pen at same show. They carry the size, shape, with wonderful deep, straight and narrow barring. I have a fine lot of show birds, fit to win any show. The price is reasonable; also fine breeders for sale cheap. Write me before you buy.
E. A. WEBB - BENTON, ILL.

Tompkins' Strain R. I. Reds



12 years record of prize winnings. Their breeding is based on 45 consecutive years of careful selection. Send for catalogue.
LESTER TOMPKINS CONCORD, MASS.



COLORED LEG BANDS
Big Black Figures on White Background.
All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.
A. P. Spiller : Dept. A : Beverly, Mass.



Madison Square Winners

Over 43 prizes in the Garden. Hundreds of prizes by my customers; four 1sts on Rose and 1st Cock on S. Comb Brown in 1 year in the Garden. The two best strains of Browns bred. They are large and lay large. Lots of show and breeding stock.

Rose Comb Whites
Pullet record 244 eggs one year. They are large and lay large eggs.

Single Comb Whites
236 and Cyphers 281 egg strains. 120 one year hens, 100 pullets for sale. Cocks and Cockels; all farm raised. Strong and vigorous.

White Wyandottes
Fine Duston Line

Barred Rocks
Bradley's Line

Single Comb Reds
Tompkins'

Fine show and breeding stock of all above breeds. Be sure and send for catalogue.
W. W. KULP Box 70 Pottstown, Pa.

THE IDEAL POULTRY FEEDER

Write for prices and terms.

THE MILLER ANCHOR CO., Box 293, Norwalk, O.

Flanders' S. C. White Leghorns

Send for catalog of Flanders S. C. W. Leghorn eggs, matings, day-old chicks, etc. The greatest prize winners at the last National (Official) Poultry Show. Unequaled for exhibition, flesh, flavor and hardiness and cost no more than others' second-grade.

Flanders White Leghorn Farm

Box 80 Orchard Lake, Mich.

Duston's White Wyandottes

With a world wide reputation. Choice old stock for sale. Also some elegant young birds now ready to win at early shows. Write for prices. Satisfaction guaranteed. Mention American Poultry Journal.

ARTHUR G. DUSTON

BOX 1020 SOUTH FRAMINGHAM, MASS.



45 Varieties

Land and Water Fowls

Send for free illustrated catalogue, which tells you much you should know. Stock and eggs at all times. Mention A. P. J.

S. A. HUMMEL Box 52, Freeport, Ill.



Don't Wait for Exhibition Coops till the last minute. ORDER NOW. Our poultry goods are just what you want and have a reputation for quality. Send for catalogue to

Warner "THE COOPMAN"

224 River Street

ALLEGAN - MICHIGAN

for Show Coops, Shipping Coops, Trap-Nests, Warner's Way for Lice, etc. Mention Am. Poultry Journal.

WYANDOTTES

I offer 300 grand hens and 100 exhibition cocks in Golden, Silver and White Wyandottes at much less than half price for quick sale. Bred from our N. Y. Winners. A great chance to procure the finest line in America at a sacrifice price. Also the finest imported Golden Seabrights. Circular.

IRA C. KELLER, Box 75, PROSPECT, O.

A MILLION HENS USE

Wellcome's Famous

"Ideal" Trap Nest

Shows which Hen Laid the Egg

New Principle, 100 Per Cent Efficient

F. O. Wellcome Box J Yarmouth, Me.

Write NOW for prices and proof.

The Poultry Silo

The Poultry Silo is the coming thing, as it solves the feed problem once for all. Keeps poultry all winter the same as on range in summer—the cheapest and best food possible. Saves time, labor and expense. Complete set of blue prints and full instructions for $1.50, also little booklet "Poultry Silage." Send all orders to The Poultry Silo, Box 35, New London, Missouri.

Bourne "Bignum" Poultry Band



Patent Applied for

Send for free sample and special trial offer. Yours for the asking. Large numbers showing 10 feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each $2.50 a 100.

BOURNE MANUFACTURING CO.

231 Howard St. Melrose, Mass.

Sunlight Poultry Farm.

Three miles from Lynchburg, Ohio, on branch of B. & O. Railroad, 50 miles from Cincinnati and a half mile from C. & C. Traction line at Dodsonville we find Sunlight Poultry Farm, busy as a bee and making good with the wonderful business-getter, the Single Comb White Leghorn. Mr. Ernest N. Lemon is the man behind the gun, and this is his first introduction to the readers of American Poultry Journal. He wisely started with the best strain of heavy layers obtainable and his whole aim is great egg production.

His farm is well adapted to poultry raising under conditions to produce health and vigor. The farm is well drained and has a supply of fresh water and plenty of shade to grow the youngsters right. He is the only breeder we know of who has no special pen but allows his one thousand head to have range the year round. No wonder they have vigor and that the baby chicks can stand any journey and live.

The male birds that head this flock are grandsons of Edward XLIV, the best cock ever shown, winning first at Cincinnati 1913. Last season Mr. Lemon had pullets on range that began to lay when 134 days old without any special feeding. Mr. Lemon handles a big egg trade and does a fine baby chick business. His prices are reasonable for males and he ships quality as well as utility.

His incubator cellar is 48x14 and has a capacity of 5,400 eggs, brood house is 54x14 and broods five thousand at a time, he has one building 12x36 and 25 colony houses and building more this fall. He is a strong advocate of fresh air colony houses if it does require a little more labor to care for the stock. He also has a cockerel house 15x15.

Sunlight is a strictly up-to-date poultry farm and run on original plans. Write today for a cockerel or as many as you need, they will bring up the egg yield of your next year's pullets.—H. H. Coburn.

Holterman's Barred Rocks.

On my annual visit to W. D. Holterman, Ft. Wayne, Ind., I was surprised to see even better quality in his Aristocrat Barred Rock youngsters than ever before, and this is a broad statement, as they looked like perfection last year. We pronounce Mr. Holterman nothing short of a wizard in mating so as to produce even, narrow barring, and right here we will state that his son Louis is an apt scholar and a close second to his father and is much interested in producing the best Barred Rocks.

Mr. Holterman is one of the never-give-up stayers and determined to win and he has the satisfaction of seeing his business grow each year and is making good for the reason that he has goods to satisfy his customers and they come again. When Mr. Holterman says a Rock is narrow barred to the skin it is narrow barred and the purchaser can depend on the description not being overdrawn but identical with what the bird really is. It is a pleasure as well as a sound business proposition to do business with a man so honest in his dealings and he gives more in actual value than he leads you to expect.

In spite of the hot, dry summer in Indiana he has succeeded in raising over 2,500 Aristocrats, showing they have the vigor to overcome adverse conditions. His young stock have a beautiful grove to shade them and are raised under the best possible conditions and management. Mr. Holterman never has to go outside of his own matings to introduce a little new blood to keep up the wonderful vigor and vitality as he has two distinct families. The Aristocrats have won at 144 shows the past two seasons in the hands of his customers and are ready to cover that number this coming season. He puts out one of the most beautiful catalogues which is sent upon request. Write him today for prices on cockerels or as many birds as you need to complete or make your show string. He can fit you out to win and his prices are within reason.—H. H. Coburn.

Faulds' Black Minorcas.

It is with great pleasure that we call our readers' attention to a booklet just issued by T. A. Faulds, of London, Ont., Canada. This booklet contains letters from Mr. Faulds' many satisfied customers, also the winnings of his great S. C. Black Minorcas and Rhode Island Reds. It's free for the asking. Mr. Faulds has some bargains in show birds and can fill your wants with entire satisfaction. See his ad elsewhere in this issue. He won the prize at London Poultry Show as the most popular exhibitor.

Parsons' Poultry Plant

S. C. Wh. Orpingtons R. C. R. I. Reds

Write for Our Winnings

R. F. D. No. 1 Box 41 AVON LAKE, OHIO

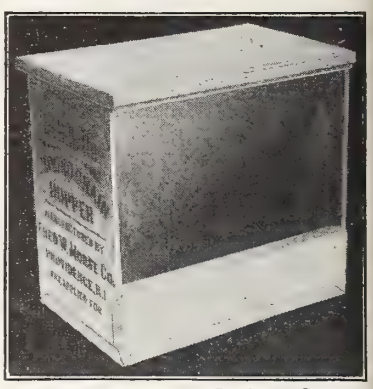
Let Me Start You In The Poultry Business

My "Peerless-60" is a revolution in incubators,—first practical, all-metal, fire-proof, everlasting 60-egg machine ever known. Perfect heating system. For large or small poultry raisers. Delivered anywhere, $6.00. Write for details.

H. M. SHEER CO., 104 Hampshire St., Quincy, Ill.

Wanted:—An Idea

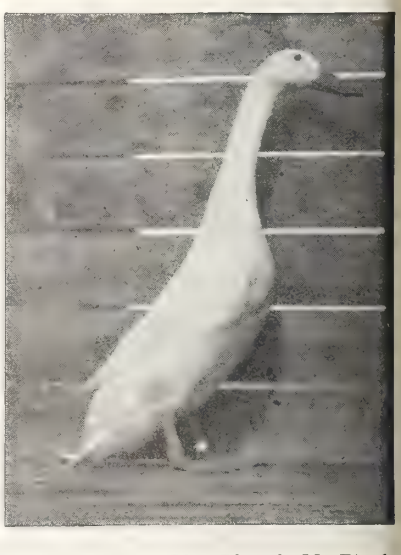
Who can think of some simple thing to patent? Protect your ideas, they may bring you wealth. Write for "Needed Inventions" and lists of Patent Buyers. RANDOLPH & CO., Pat. Attorneys, Dept. 317, Washington, D. C.



Gillette Labor Saving Equipment

Send $1 for this 12-qt. Dry Mash Hopper. Delivered anywhere east of the Mississippi River. Proper allowance made for all points west of the River. Gillette Dry Mash Hoppers are made in various sizes; single and double. The Gillette Automatic Hopper is the standard for practical poultrymen. Printed matter for the asking. Mention A. P. J.

FRED W. MORSE CO., Mfrs., Providence, R. I.



One of the many Fine Birds in My Flock

IF INTERESTED IN

White Runners

write me for prices. Fine lot of exhibition birds for sale at reasonable prices.

Mention American Poultry Journal.

E. G. CURTIS, Atsion, N. J.

Productive Poultry Husbandry.

We are just in receipt of a copy of the revised second edition of the above named book by Harry R. Lewis, B. S. This book is one of the most comprehensive and valuable books ever published on the subject of poultry. It is cloth bound, contains 536 pages, 329 illustrations and the text is so arranged that it will meet the needs for systematic reading courses, for farmers' clubs, poultry associations and granges. To the farm poultryman the text clearly pictures methods which would enable the average farmer to keep from two hundred to five hundred birds, as a "side line" to general farm operations, and realize a handsome revenue. The book is fully indexed so that you can tell at a glance where to find information pertaining to almost any point about which you might wish to know. The price of this book is $2 and certainly is well worth the price asked. J. B. Lippincott Co., Philadelphia, Pa., are the publishers of this book. We make a special combination price on this book with subscriptions to American Poultry Journal. All orders for the book should be addressed to American Poultry Journal Pub. Co., 542 S. Dearborn St., Chicago, Ill.



TEDDY VI.

Second prize cockerel Chicago show. Bred and owned by Truckenbrod Bros., Mendota, Ill. From Retouched Photographs.



TEDDY IV.

Third prize cockerel Chicago show. Bred and owned by Truckenbrod Bros., Mendota, Ill. From Retouched Photographs.

Selecting the Male for Your Pens.

It seems to be universally agreed among the most successful and especially the breeders for improved egg production, that too much care cannot be given to the selection of the male that you are going to mate to your females. It used to be a common saying among the breeders that the male was half the pen, which, in a sense, was the least he could be, but now it is admitted that when it comes to results in the offspring, it all depends upon the breeding back of the male, and quite often he is almost the whole thing.

The shrewd breeder nowadays is not entirely ignoring the utility of egg laying side of his strain, but is seeking a combination of the two, fancy and eggs or eggs and fancy. One of the oldest and most successful breeders of this class we believe is Mr. J. W. Parks, whose strain of Bred-to-Lay Barred Plymouth Rocks are said to have simply laid their way into universal popularity. His strain in addition to over 25 years of careful breeding for eggs must have been kept pretty close to the standard requirements to have made the winnings they did the past season, and on his list can be found a number of Madison Square Garden winnings for customers, showing that our greatest breeders are looking after the utility end of this breed.

Mr. Parks' new large cockerel circular has just reached us and in addition to giving a full description of his cockerels, sure gives a good account of the work of his strain in his customers' hands. This circular is sent free.

B. H. Scranton, of Rising Sun, Ind., turned the trick at the Great Hagerstown Fair, winning with his S. C. Reds 1-2 cock, 2-3-4 hen, 1-5 cockerel, 1-2-4 pullet, 1st old pen, 1st young pen, special for best Red male in class and some color and shape specials. This certainly is great.—H. H. Coburn.

TOLMAN FRESH AIR STRAIN

WHITE PLYMOUTH ROCK EGGS FOR HATCHING

Now is the time to raise your early BROILERS and SOFT ROASTERS.
WRITE FOR PRICES.

JOSEPH TOLMAN R. F. D. 1. Dept. H Rockland, Mass.

Iowana White Orpingtons.



Iowana Breeding has produced young stock better than ever.

Four Firsts at Iowa State Fair, 1914

Quality and lots of it. Write your wants.

IOWANA FARMS POULTRY DEPARTMENT.
HARRY W. ATKINS. Supt. BOX S DAVENPORT, IOWA

Columbian Wyandottes

Supreme Strain. My March pullets were laying in August. I can supply cockerels and pullets at golden rule prices.

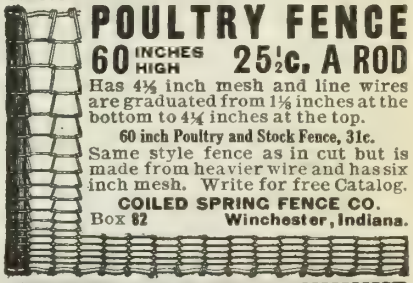
Alfred W. Budd, North Brookfield, Mass.

I have closed out my stock of

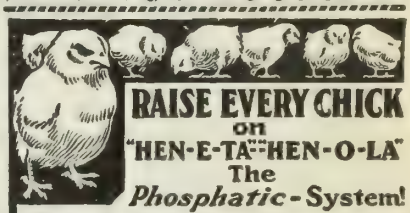
ORPINGTONS

and am out of the business.

A. A. Anderson Macon, Ill.

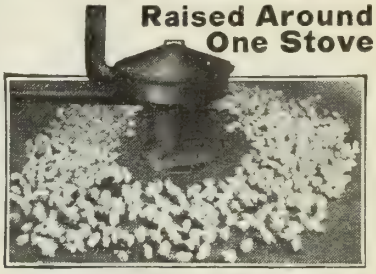


POULTRY FENCE
60 INCHES HIGH 25½c. A ROD
Has 4⅛ inch mesh and line wires are graduated from 1⅛ inches at the bottom to 4¼ inches at the top.
60 inch Poultry and Stock Fence, 31c.
Same style fence as in cut but is made from heavier wire and has six inch mesh. Write for free Catalog.
COILED SPRING FENCE CO.
Box 82 Winchester, Indiana.



RAISE EVERY CHICK
on
"HEN-E-TA" "HEN-O-LA"
The
Phosphatic - System!
The more phosphorus in the egg and the more phosphorus in the egg-shell, the greater the fertility, the better the hatch and the hardier the new-born chick.
The Hen-e-ta-Hen-o-la System eliminates all bowel-trouble; reduces mortality to a minimum; grows and develops the chicks faster and cheaper into strong, rugged, healthy "egg-producing" birds.
Ask your dealer or write us for new booklet, entitled:
"The Successful Way to Grow Little Chicks."
HENETA BONE CO., Dept. 1, Newark, N. J.

$1500 Worth of Chicks
Raised Around One Stove



by the Duplex System of Colony Brooding, is the report of one of the country's big poultrymen.
This wonderful method of brooding is the only logical and practical way to **Save Every Healthy Chick Hatched;** if free from organic disease; **Bring Them All to Maturity, Positively Eliminate White Diarrhoea and Cut Out All Drudgery Connected With Brooding.**
Kinnear Poultry Co., Sussex, N.B., says "The
Duplex Combined Brooder Stove and Ventilator
is easy to operate and perfectly satisfactory with results."
This is the stove that **will not smoke or throw off fumes**—has regulator that **controls flow of oil—keeps temperature at correct point—heats and ventilates perfectly** at all times.
Made in 3 sizes to meet all requirements. To get further information about the Duplex System
Send for Free Book on Brooding
and learn how to Cut Labor and Expense of Poultry Raising in Half, as well as to Keep Chicks Healthy and Alive, Until Maturity. Other interesting literature free.
Write and get the facts. Our testimonials are worth reading and will help you.
DUPLEX COLONY BROODER CO.
Box 607 ROCKFORD, ILLS.

Read page 1290---do it right now! HURRY UP!!

LISK'S WHITE WYANDOTTES
THE KIND THAT WIN AND LAY

Birds of my line and breeding have won for years at the leading shows, including Boston, Chicago, Baltimore, Pittsburgh, Rochester, Buffalo, Indianapolis, etc., etc. They have the habit with Quality and will win for you. This year I have 700 youngsters that show superior merit and I can supply the trade with the desired quality to win. A few selected yearlings for sale. Write me your wants and let me tell you how well I can serve you. Choice Breeding birds in correctly mated trios and pens a specialty.

FRED C. LISK **Box B** **ROMULUS, N. Y.**

The European War
Will Raise the Price of EGGS 60 Cts. Doz.



Feed Hens Sprouted Oats for Full Egg Baskets

What are you doing to get some of this big money? What are you doing to get **extra eggs?** Have you got a Grain Sprouter? A sprouter is as much a part of the equipment of a successful poultry farm as healthy fowl. Simply because it produces the kind of green feed that

—Increases Egg Production 50%;
—Makes Some Hens Lay Double Quantity;
—Helps Pullets Lay Before Winter;
—Fattens Them and Cuts Feed Bill in Half.

Every extra egg counts. 100 hens should bring you $5.00 extra weekly if the feed is right. For this purpose, nothing equals the



Reliance Grain Sprouter

It makes 3 to 4 bu. of the **snappiest, juiciest and most tender sprouts** imaginable—all from 1 bu. of dry grain. This kind of feed is a **natural tonic and regulator**—keeps birds in perfect condition, too, besides making them profitable.

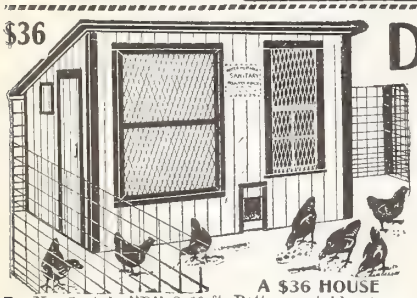
Our No. 2 Reliance Sprouter, Guaranteed Capacity large enough for 100 hens. **Other sizes, $5.00, $8.50 and $11.50.** Order direct or send for literature, pictures and prices of our entire line. **$7.00**

This is the original **double sprouter** made by one of the **largest and best incubator factories in the world.** It has **better heating and ventilating system,** thus insuring sprouts free from mold. Besides, the front of the Reliance **contains more glass** which induces larger quantity of sprouts.

All shipments made on guarantee of satisfaction or money back. Sprouter comes complete, ready to run. **No extras to buy. Send Postal for Literature — or order direct from ad.**

Reliance Incubator Co., Dept. 23, Freeport, Ill.
Manufacturers of Grain Sprouters, Incubators and Brooders

$36



A $36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5-ft. 3 perch complete hennery outfit for 30 hens. Price of complete house, $36. Painted 2 coats.

Don't Build
you can buy better, cheaper, more complete, ready-made (factory made) hen houses, roosting and nesting features, coops, hoopers, etc., from Potter & Co. We buy No. 1 high grade cypress lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures you need in convenient sections all ready to set up.

Potter Poultry Houses and Fixtures
Portable - Sanitary - Inexpensive

Have been sold over 10 years, are used and recommended by thousands who want the best and buy the best in poultry houses and equipment. You start **right** when you buy a **Potter Portable** with complete outfit of roosts, dropboards, and nests. You save money too. A clean, sanitary henhouse means healthy hens and lots of eggs.

OUR BIG CATALOG

contains 112 pages and over 150 illustrations showing Potter Portable houses, coops, hennery outfits, feed hoppers, brooders, hovers, etc., in fact, everything for the poultry keeper. You need Potter made, high grade goods. Send 2 red stamps to cover postage on our large catalog and circulars on the Potter System book.



A $6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter hennery outfit for 36 hens This same style made in 12 sizes.



Don't Kill
or sell your laying hens.

Use the POTTER SYSTEM and pick out the layers from the loafers and diseased hens. Keep only healthy laying hens. The POTTER SYSTEM is a secret and the greatest discovery of the century in the poultry world on the subject of Egg Producing Hens Used by over 3,000 satisfied poultry keepers, who are saving dollars every year.

Our new 100-page Potter System book, "DON'T KILL THE LAYING HEN", contains the secret and knowledge about laying and non-laying hens. It's revelation to poultry keepers, and you will learn how you can use the Potter System on your flock, keep less hens, get more eggs and make more money using it. Write today, sending two red stamps to cover postage on our large catalog and circular telling about Potter Poultry Products made for Particular Poultry People. If you are particular and want to make more money on your flock, you will write us today.

T. F. POTTER & CO.

Box E-21 **Downers Grove, Ill., U. S. A.**

A Day With America's Foremost Red Breeder.

The best time to visit a poultry farm is when you are not expected. It is then when you can see the actual conditions under which the owner raises, houses and cares for his birds. We did not send any advance notice to Mr. Fred E. Harrison of Menominee, Mich., that we were coming and for that reason the description of his farm and his stock can be accepted as a truthful statement of the conditions as we found them on our visit.

In reading the war news in the different papers we often run across the expression that, "the ground was red with the blood of the fallen soldiers." Applying this quotation to Mr. Harrison's farm, we would say that the ground was red with about two to three thousand of the choicest Rhode Island Reds which we have seen for some time. The ground itself is of a peculiar red shade and if this has anything to do with the remarkable color for which Mr. Harrison's Reds are noted, then it would explain the secret of his success. Well can we remember the remarkable lustrous red of his prize winners at the last two Chicago shows, that peculiar sheen in the deep rich under color which runs so uniformly throughout his flock and which could only have been produced by careful mating and an absolute knowledge of the blood lines of the strain.

In describing his flock it is best to describe it in bunches. For instance, in one of the many large roomy yards we saw a flock of fifty pullets not fully matured but showing already prize winning quality; an even shade of lustrous red and remarkable type was visible in these specimens. In another yard and still another and still another and so forth we found in each about fifty cockerels and pullets and the description of the first pen would answer for all of them. In fact, we cannot see how we can give a better description of any of his birds than the description of the first lot.

As said before, we arrived unexpectedly and had given no advance notice, and for that reason we did not expect to see the spick and span condition in which we found the houses, grounds and runs. The dropping boards were as clean as they could be and the atmosphere in the houses pure and wholesome on account of the perfect system of ventilation which Mr. Harrison has devised. As his stock is hatched all under hens and have ample room to grow they are all very vigorous and we did not see a sick chicken on the farm.

Mr. Harrison's record at Chicago, Indianapolis and other large shows is too well known throughout the United States and it is not necessary to quote his long string of winnings, but the old saying "that all good things come done up in small packages" holds good, for we have it from direct oral and visual authority that Fred, despite his size of six foot two, is the smallest member and the baby of the family, but we would suggest that he change the spelling of his name as follows: fRED Harrison.—L. A. Stahmer.

Neponset Paroid Roofing.

Neponset Paroid Roofing, which for more than sixteen years has been the standard high grade roofing, is now being manufactured with a new improved gray surfacing. This has been improved in two ways—first in appearance and secondly in permanence. The old style surfacing of Paroid was considered to be the most permanent finish that could be applied, but it is believed that this new finish will outlast the old gray finish by years.

The United States Government has just purchased 172,000 square feet of Neponset Paroid Roofing, making a total over 1,500,000 square feet which it has used at Panama alone. These orders are only some of the many others which the government has placed for this roofing.

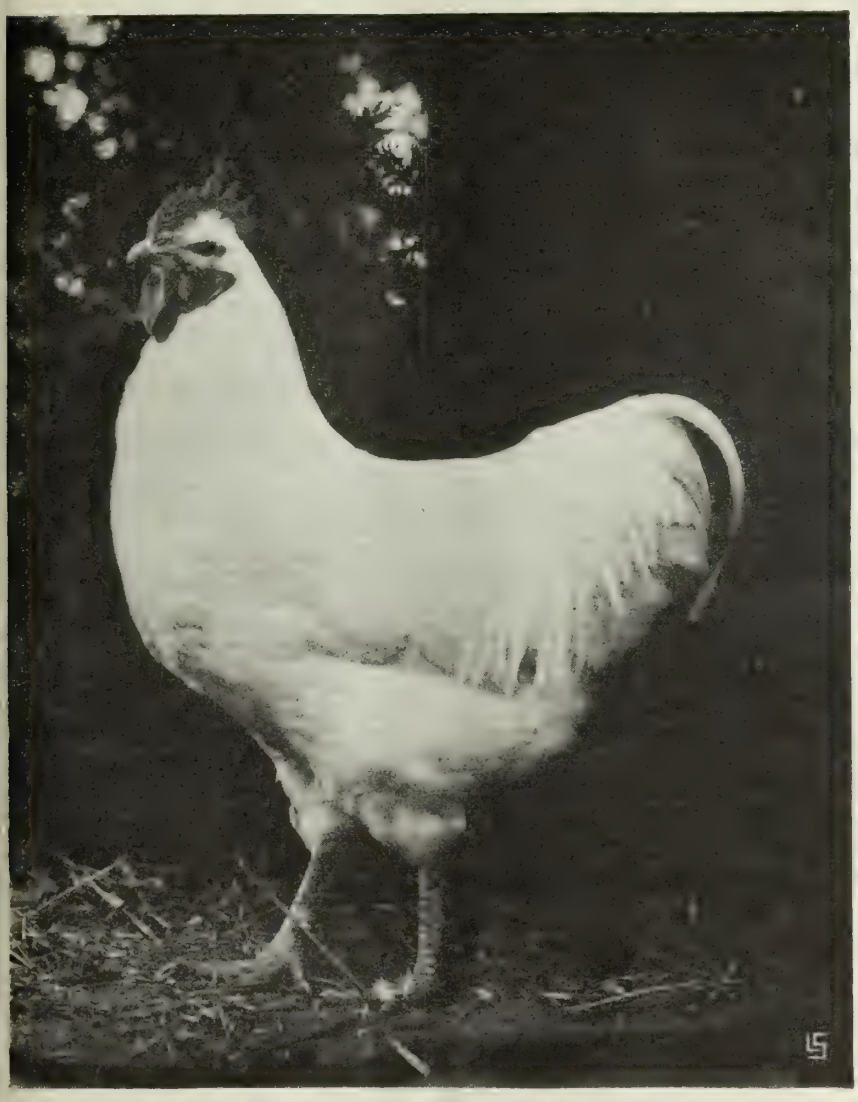
The secret of the success which Neponset Paroid Roofing has had is due to the care with which it is made. It is the very best roofing of the sort that it is possible to produce, being made of only high grade materials and constructed with one idea foremost—permanence. It is made by us from start to finish and it is made slowly. A slowly made roofing is a slow wearing roofing. When you buy a "hurry-up" roofing, you save money on its first cost only. You will have to re-roof two or three times and pay out eventually more money than for Neponset Paroid Roofing. In every climate, under all sorts of conditions, Neponset Paroid Roofing has been tested. Therefore, when you buy this material you will not get something of doubtful value.

Turn right now to the editorial page and read "What's Your Name."

Carvers' Campines at Hagerstown Fair.

A. A. Carver, Seville, Ohio, writes us as follows: "I have just received a telegram that we won first Golden Campine pen at Hagerstown, the largest fall fair in North America. Made only one entry. Telegram states 7,500 birds on exhibit. It also states best pen shown since last New York show. This pen was raised from our mating headed by first pen cockerel Chicago last year, as you know we won first pen Chicago last year in a hot class."

They further state that their Golden Campines are being line bred from their imported first Chicago pen cockerel, direct from Rev. E. Lewis Jones, and on the females' side from the Golden Campine hen Empress, now three years old and one of the greatest Golden Campine hens in America. She won first in large shows as a pullet and last season won second at Chicago as a two year old, and she looks now as though she would be fit to win at the big shows this winter; in fact, she did win first at the great Cleveland Fair last month. Mr. Carver would be pleased to hear from any of our readers in need of show birds in either of the breeds, as follows: Golden Campines, Red Sussex or Rhode Island Reds. Write him for prices and further particulars, mentioning American Poultry Journal.



"HALBACH'S PRIDE"

"Nuff sed." The above unretouched picture of a young cockerel tells the tale better than a page of descriptive reading matter. Mr. Halbach has not seen this picture before, as we made it on a recent visit to his farm when he was not looking. When we say that a blind man can go into Halbach's flock and pick a winner for a show, we believe we are not stretching it very much, for we have never seen such quality at his place before, and the American Fanciers know only too well that Mr. Halbach has always bred White Rocks that have been winning consistently at some of the largest shows in the country. His great record at the Chicago Coliseum Show, extending over a period of five years, has never been excelled and stands supreme. We saw close to 2,000 youngsters on his farm that will be among the winners this coming season, and it will pay anyone interested in White Rocks to write for particulars to H. W. Halbach, Box A, Waterford, Wis.—L. A. S.

Pape's Recent Winnings.

Charles G. Pape, Fort Wayne, Ind., has just advised us that he won on his S. C. Black Minorcas at Tri-State Fair, Memphis, Tenn., Sept. 28-Oct. 3 as follows: Champion cock bird of show, all varieties competing; gold leg band for best cock bird in show; grand champion cockerel; A. P. A. silver medal for best cockerel; silver cup for best pen; silver cup for best Mediterranean display; first and fifth cock bird; second, fourth and fifth hen; first and second cockerel; first, second and fourth pullet; first and third pen; first and second prize on best dozen white table eggs; first and second on heaviest white eggs. This certainly is a grand record and speaks well for Mr. Pape's Minorcas. If in need of some show birds write him your wants.

The Willows Farm, South Bend, Ind., owned by Frank E. Hering and under the management of Harmon Bradshaw, has started its fall season with a splendid winning at the Illinois State Fair. The S. C. White Leghorns from this farm won sweepstakes championship. Thirty-six Leghorns were entered, 31 were returned prize-winners. Beau Brummel, the splendid Leghorn sire, was entered in the Old Pen class, and won first. This makes four consecutive years that this great male has won at such shows as New York, Chicago twice, Indianapolis and the Illinois State Fair. The Willows Farm is especially strong in females this year. Hens entered at Springfield made a clean sweep in the class. Breeders or fanciers wishing splendid stock at reasonable prices would do well to write the Willows Farm.

Owen Farms' Recent Winnings.

Owens Farms, Vineyard Haven, Mass., made the following winnings at Allentown Fair: 14 out of a possible 20 first prizes; first cockerel and first pen in each of the four varieties exhibited and second pen in three of the varieties, which was equal to two first pen prizes in those varieties. Mr. Maurice F. Delano, the proprietor of Owen Farms, writes us that he can fill the wants of our readers in show birds of any variety that he advertises in his full page announcement on another page of this issue which are as follows: Buff Orpingtons, White Orpingtons, White Ply. Rocks, White Wyandottes and S. C. Rhode Island Reds. Write him your wants. He guarantees satisfaction or no sale.

1,500 Miles on the Road.

Mrs. J. H. Harnly, 2301 Elisha avenue, Zion City, Ill., has begun the season's battle by traveling 1,500 miles, visiting three state shows and carrying off 70 ribbons, 25 first prizes and 20 second prizes. At the Minnesota, Wisconsin and the Illinois State Fairs her birds won the highest honors. At the Cook County (Chicago) Fair Mrs. Harnly made a clean sweep.


J-M ASBESTOS ROOFING
Never needs coating. An excellent fire protection. Write for Illustrated Catalogue.
H. W. JOHNS-MANVILLE CO.
New York and every large city

S. C. BLACK Anconas FOR THE BEST Langshans
See my stock or write for catalog; winners at Madison Sq. Garden, Grand Central Palace, Philadelphia, Augusta, Ga., etc. Stock, eggs, baby chicks at reasonable prices. Mention American Poultry Journal.
ELIAS HICKS, Bound Brook, New Jersey

Hilldorfer Blk. Minorca
BREEDERS FOR SALE
1000 choice birds to sell of my best breeding lines. Write for prices on wants. Mention A. P. J.
J. P. Hilldorfer, Saxonburg, Butler Co., Pa.

WHITE
Orpingtons
T. A. SCOTT, Bethany, Ill.

LO-GLO Electric Incubators

Hatch by Electricity
Absolute Control of
Heat, Moisture, Ventilation
LO-GLO Incubators embody in the highest degree every qualification for the successful hatching of strong, vital chicks from every fertile egg.
All Steel, Oderless, Smokeless, Sweet, Sanitary. Prices no higher than other standard makes.
Lo-Glo Electric Hovers from 50 chicks up to any number.
Don't fail to write for FREE BOOKLET and learn how easy and pleasant it is with electricity to raise big batches of strong, vigorous, healthy chicks. LO-GLO ELECTRIC INCUBATOR CO., Inc., 74 Greenwich Street, New York, N. Y.

CLASSIFIED ADS

UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and **five cents per word each insertion for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under **classified headings.** No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention A. P. J. **All copy for Classified Ads must reach us by the 17th of month preceding date of issue.**

ANCONAS.

FOR THE GREATEST EGG producers try Mayhew's Ancona Yards, the world's best stock. J. E. Mayhew, Afton, N. Y. 11-8

TIMMS' POULTRY YARDS—Anconas, blue ribbon winners at Cincinnati, Columbus, Cambridge and Zanesville. Prices reasonable. Catalogue showing cuts and description free. John Timms, Malta, Ohio. 11

ANCONAS. GET YOUR show birds and breeders now, the kind that win. Frank W. Mains, Morris Plains, N. J. 11

KING OAK ANCONAS won four firsts this fall at Brockton, three firsts last winter at Boston. A splendid Single or Rose Comb cockerel for $5.00. Utility pullets, $2.00 each. Lewis E. Strang, East Weymouth, Mass. 11-1

ANCONAS—FANCY SHOW birds for any show. Mark Lewis, Alma Center, Wis. 11-1

FOR SALE—SINGLE COMB ANCONAS. Some grand breeding stock, in cocks, cockerels, pullets and hens. Quality and prices right. Geo. C. Schwegman, Richmond, Indiana. 11-1

ANCONAS, BOTH COMBS. Young stock ready. Write Wm. S. Rathbun, 8 Kingsbury, Jamestown, N. Y. 10-12

BERRY'S PRIZE WINNING Anconas, 2,000 for sale. Dr. J. E. Berry, Powhatan Point, O. 9-11

BIEHLER'S SINGLE COMB ANCONAS. Stock for sale, young and old, at $1.50. Great winter layers. J. A. Biehler, Strasburg, Ill. 9-1

MEYER ANCONA FARM, CANTON, O. Our stock bred specially for heavy layers and winning clean sweeps wherever exhibited proves our quality. Breeding stock. 2-14-tf

GRIMM'S CELEBRATED Anconas, winners of first prizes at leading shows, including the recent ones at Kansas City and St. Louis. Quality high. Prices low. Booklet free. Eggs, $1.50 to $5.00 per 15. Every egg guaranteed fertile. Fred Grimm, Webster Groves, Mo. 1-14-1yr

SHEPPARD'S FAMOUS ANCONAS — THE world's best. See display advertisement first page. Cecil Sheppard, Berea, Ohio. 11-13-1yr

ANDALUSIANS.

BLUE ANDALUSIAN cockerels from Chicago winners. Mrs. S. H. Brooks, Salem, Ind. 11

ROSE COMB BLUE ANDALUSIANS. John Hacker, Box C, Marissa, Ill. 11-1

BANTAMS.

BUFF AND BLACK Cochins, Duckwings, Black, Red Pyle games; 25 firsts state fair and Chicago, $1.50 to $3.00 each; photos. Fred Arthur, Streator, Ill. 11

WHITE AND BLACK TAIL Japanese Bantams, $3.00 a pair. Louis Yender, Naperville, Ill. 11-1

GOLDEN SEBRIGHTS. Bred from state show winners; $5.00 to $8.00 pair. Geo. Johns, Oglesby, Ill. 11

400 BANTAMS FOR SALE, 10 varieties; $2.00 to $3.00 per pair. Hurry if you want bargains. Circular. Hal Carman, Petersburg, Ill. 11-12

WHITE JAPANESE Silkies. Stock for sale; better than ever. G. W. Kinter, Route 1, Dillsburg, Pa. 11-1

BARGAINS! JAPANESE BANTAMS: Black Tails, Whites, Blacks, White Booted, Black Rose Combs, Polish, Golden and Silver Sebrights. Satisfaction guaranteed. Hez Kinter, Dillsburg, Pa. 11-1

BEAUTIFUL BANTAMS. Black-tailed white Japanese. Elegant pets. Prolific layers. Ready for exhibition. Miss Alice Andrus, Wellington, Ohio. 10-12

BANTAMS. ALL VARITIES. Pairs $3.00, trios $4.50. Robert V. Hale, Shelbyville, Indiana. 10-12

THE BEST IN WHITE Japanese and Black Rose Comb Bantams. Winners at New York and Boston. Grand show birds and breeders for sale. Also Buff Cochin Bantams, $5 per pair. C. F. Davey, Vineyard Haven, Mass. 10-12

WORLD'S FINEST BANTAMS, 37 varieties, shipped on approval; catalogue. F. C. Wilbert, Grand Rapids, Mich. 9-11

WHITE COCHIN BANTAMS. Scoring 96¼. Winners Chicago, Pittsburgh, Philadelphia, Indianapolis, Buffalo, St. Louis, Kansas City, Cleveland, etc. Satisfaction guaranteed. Catalogue. I. R. Mankel, Upper Sandusky, Ohio. 8-12

LIGHT BRAHMA BANTAMS—Finest flock in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C, Dougalston, Long Island. 1-14-1yr

BANTAM SPECIALIST. Buff, Black, Partridge Cochins, Light and Dark Brahmas. I ship on approval. Circular free. Geo. C. Salmon, Port Dickinson, N. Y. 1-14-tf

BANTAMS bring profit and pleasure. Our monthly tells how and why. Send 50c for a year's subscription or ten cents for a three months' trial. American Bantam Fancier, 933 Advertising Bldg., Chicago. 1-14-tf

BRAHMAS.

LARGE LIGHT BRAHMAS, pullets and cockerels. Nintzel Bros., Oshkosh, Wis. 11

DARK BRAHMAS. Forty years breeding. Prize winning strain. At state fair, five firsts, four seconds. Young stock and some this year's breeders for sale. Dr. S. Lott, Bellona, N. Y. 11-1

LIGHT BRAHMAS—BUY auto world's laying and show record will. Loring of Dedham, Mass. 11

LIGHT BRAHMA COCKERELS, $5.00; pullets, $4.00; trios, $12.00; pens, $20.00 and up. Nothing cheaper. From my winners at New York and other leading eastern shows. Harvey C. Wood, 227 River Road, Bound Brook, N. J. 11-1

BUTTERCUPS.

ORIGINATOR circular picture. Loring of Dedham, Mass. 11

BUTTERCUPS. UTILITY and show birds for sale. Prices reasonable. Fred Coulson, Malta, Ohio. 11-12

BUTTERCUPS—STOCK shipped on approval. (Rev.) E. H. Keator, Franklin Park, N. J. 11-1

SICILIAN BUTTERCUPS. Excellent stock for sale cheap. J. A. Shott, New Wilmington, Pa. 10-12

ELMDALE BUTTERCUP Gardens. Grand utility and show stock for sale. J. Blanksma, Firth, Neb. 10-11

BUTTERCUPS FOR SALE. Alvinian strain. Alvina laid 309 eggs in one year; circular. Rev. Sahler & Sons, Harlingen, N. J. 9-11

SICILIAN BUTTERCUPS of quality, exceptional bargains in eggs and breeding stock now. Rood, Buttercup Specialist, Garrettsville, O. 8-11

BUCKEYES.

BUCKEYE STOCK AND EGGS from blue ribbon winners. Catalogue free. Lindley Place, Meshoppen, Pa. 5-13-tf

CAMPINES.

BARGAIN SALE—ELEGANT Silver and Golden Campines shipped collect on delivery. Catalogue free. E. M. Benson, Box 1871, Washta, Iowa. 11

THE VIGOROUS STRAIN of Silver Campines. If you want health and vigor in your birds, buy from the Homestead Campine Farm, Wayland, Mass. Winners at Boston and New York State Fair, 1914. Excellent exhibition and utility stock. See display ad. Box A-2. 11-1

SILVER CAMPINE COCKERELS from prize winners, Jacobus strain, $2.00, $3.00, $5.00. Geo. Donahey, Clarendon, Pa. 11

M. BAYERDORFFER, Oakwood Heights, N. Y. Silver Campines exclusively. My Campines are marvelous layers of larger than the average size white eggs; 300 typical, grandly barred, white hackled birds for sale. Prices right. 11-1

FOR SALE—SILVER Campine cockerels from imported first prize pure stock, $3.00 and up. Campines are non-setters, continuous layers and beautiful birds. Address H. A. Sharpe, Zanesville, O. 11

KENNEDY STRAIN Silver Campine Cockerels for sale, $2.00 each. H. M. Powers, La Grange, Ohio. 11-1

CAMPINE COCKERELS ON APPROVAL. Choice birds, $2.00, $5.00, $10.00. Sturtevant Poultry Co., Delavan, Wis. 11

CAMPINES. Cockerels, $2.00. Would trade for pullets. Roy Abrams, Greencastle, Ind. 11-12

SILVER CAMPINES, stock and eggs, reasonable. August W. Schroeder, St. Peter, Ill. 11

CARVER'S RED FARMS, Seville, O. Golden Campines bred from their first Chicago pen mating now leading Goldens in America. They won 10 firsts (every first) and eight seconds on their Golden Campines first two shows of the season. Look up their great show record on page 1313 and write for their prices on stock and eggs. Just have telegram winning first Golden pen, great Hagerstown show. We only made the one entry. 11-14-1yr

CAMPINES—GOLDEN, SILVER. Stock shipped on approval. (Rev.) E. H. Keator, Franklin Park, N. J. 11-1

IMPROVED SILVER CAMPINES. Choice stock reasonable. Rev. W. Berberich, Groton, New York. 10-12

IMPROVED SILVER CAMPINES. Stock for sale. Show birds a specialty. W. B. Lashley, Powhatan Point, Ohio. 10-12

CHAMPION IMPROVED SILVER and Golden Campines. Kennedy's best. Hen feathered males that will win and improve your flock. Thos. Brogden, Rush Lake, Wis. 9-11

SILVER CAMPINE TRIOS, $6.00 (April hatched). From Kennedy stock. H. M. Powers, La Grange, O. 9-10

IMPROVED GOLDEN and Silver Campines, imported yearlings. Young stock for sale. Farm raised. Prices reasonable. Klager's Poultry Yards, Hespeler, Ont. 8-10

M. BAYERDORFFER, Oakwood Heights, N. Y. Silver Campines. Bargains yearling hens and cocks. Cockerels from special white hackle matings, reasonable. 8-10

FOR SALE—Mothers of first coop and first pullet Silver Campines, Columbus, 1914, and 25 Silver Campine yearling hens, imported and Kennedy, Jacobus and Manhattan Farm's first prize stock. Many show birds among them, also limited number of young Goldens later. R. O. Woods, Lima, Ohio. 8-10

1914 WINNINGS—16 firsts, 2 seconds, 1 third, 1 fourth, 5 specials. New York State Fair, Syracuse—1st display Silver Campines, 2d display Golden Campines, 1st display white eggs. Trenton, N. J., Interstate Fair—1st display Silver Campines, 1st display Golden Campines, 1st display white eggs. Hundreds of grand breeding and exhibition birds for sale. The Martling Hennery, P. O. Box 186 N., Ridgefield, N. J. 2-14-1yr

GARRELL'S PEERLESS CAMPINES have proven their superiority by their winnings at the recent shows at Kansas City, Springfield and St. Louis. If you want high class stock or eggs at modest prices, send for free booklet. Julius Garrell, Webster Groves, Mo. 1-14-1yr

COCHINS.

PARTRIDGE COCHINS, fine plumage, $5.00 for trio. J. A. Junge, Opelousas, La. 11-1

LARGE PARTRIDGE COCHINS, young and old stock. Nintzel Bros., Oshkosh, Wis. 11

CORNISH.

W. B. GRINYER, Eleroy, Ill. Importer and breeder Dark and White Cornish of quality. Stamp for prices. 11-3

DARK CORNISH of quality. Extra fine young stock bred from the best. Satisfaction guaranteed. E. B. Weaver, Basil, O. 11-1

BEST DISPLAY CHICAGO three consecutive years, also winners at all leading American shows. Choice bred cockerels, $5.00 up. Show specimens now ready. Ir. Munn, Hampshire, Ill. 11-1

LET E. W. CARD, Oneonta, N. Y., give you prices on 1914 Bargains of his Dark Cornish of Quality, the greatest breed for utility. 10-12

200 DARK CORNISH. Hardy, Northern raised, as good as they grow, $1.00 to $5.00 each. Waltham Poultry Yards, Waltham, Minn. 10-12

"SUPERIOR" DARK CORNISH. Winners at State Fair, Lancaster, Chillicothe. Good breeders at bargain prices. C. Leitnaker, Basil, O. 9-11

CHAMPION DARK CORNISH. Prize stock, half price. Morris & Rearick, Eaton, Ind. 8-11

DOMINIQUES.

AMERICAN DOMINIQUE cockerels, forty at $2.00 each; three, $5.00. Dr. Harwood, Malone, N. Y. 11-1

FARM RAISED. BRED from winners. Stock, Eggs. C. W. Besse, Jefferson, Maine. 10-4

GAMES.

SILVER DUCKWINGS. Red Pyles and Black Breasted Reds. Jesse Bromley, Washington, Mich. 10-12

PIT GAMES. Six of the gamest and most beautiful strains, all at their best. Winners all over this country and Mexico. Cocks, stags, hens and pullets for sale. Send for circulars and testimonials. W. C. Byard, Walnut Hill, Cincinnati, Ohio. 10-12

GAME FOWLS, gaffs, game books, etc. Catalogue free. H. P. Clark, Mansure Bldg., Indianapolis, Ind. 9-11

HAMBURGS.

SILVER SPANGLED HAMBURGS, specialty for thirty-two years. If in the market for good stock, correspond with S. S. Rich, Horicon, Wis. 11-1

SILVER SPANGLED HAMBURGS, old reliable breeder (twelve years); winner dozen big shows; extra fine show cockerels, pullets, hens, for sale. Guaranteed satisfactory. Circular free. Charley Laughlin, Bloomfield, Ind. 11-1

SILVER SPANGLED HAMBURGS won first at New York State Fair. Old and young stock for sale. Chester Williams, Gloversville, N. Y. 11

SILVER SPANGLED AND BLACK HAMBURGS, "Black Diamond" strain. Highest honors at Madison Square and other leading shows. A trio we sold in 1913 won 1st cock, 2nd hen at the Palace show and 1st cock, 1st and 2nd hens at Madison Square. Eggs, $3.00, $5.00 and $10.00. Will L. Clark, Pres. Am. S. S. Hamburg Club, Sullivan, O. 2-tf

HOUDANS.

HENS, COCKERELS, $1.50; Rose Comb Brown Leghorn cockerels, 75c. Deforest Storey, Shabbona, Illinois. 10

HOUDAN COCKERELS, $1.00 each. Honey Creek Poultry Farm, Kahoka, Mo. 11

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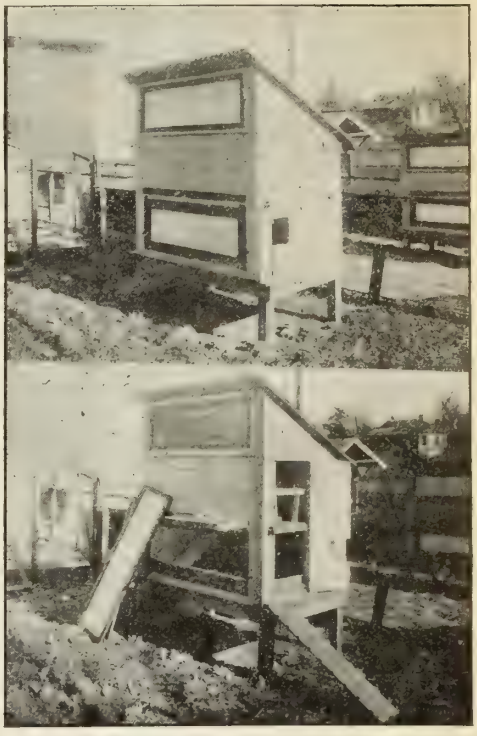
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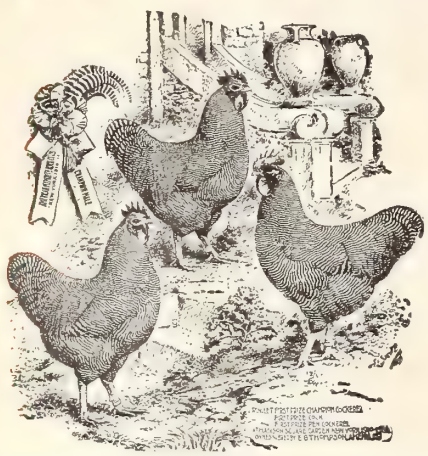
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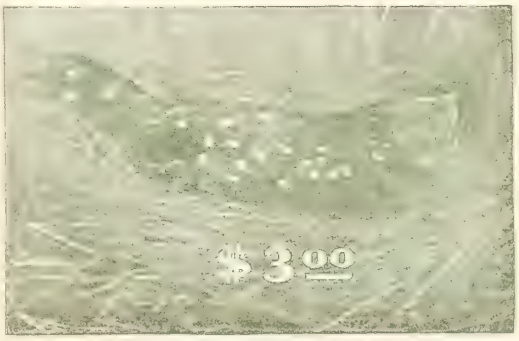
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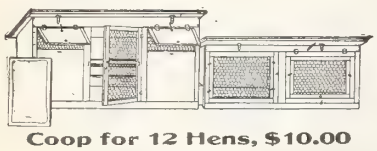


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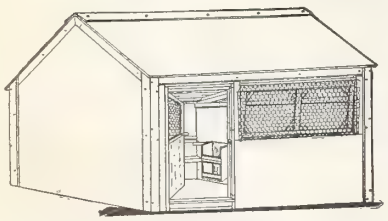
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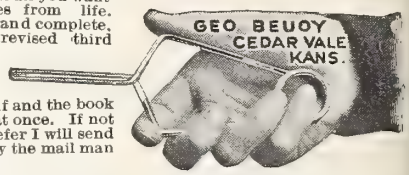
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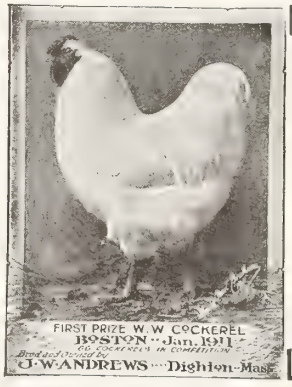
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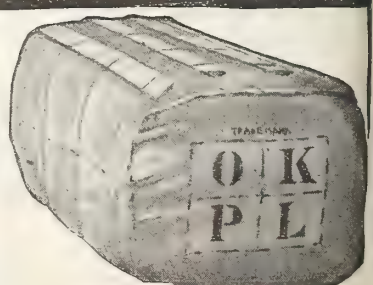
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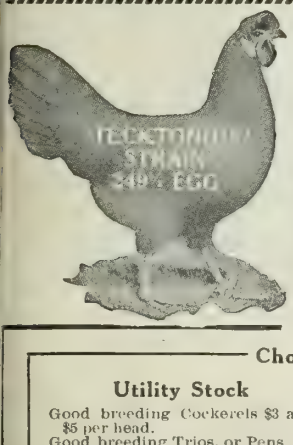
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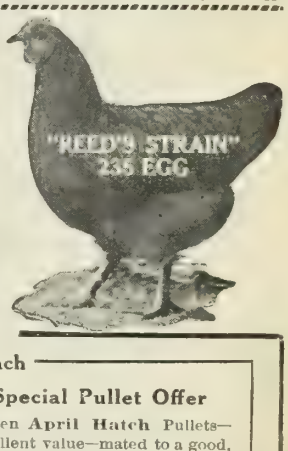
BEST by CONTINUOUS TEST

Is The Unbeatable Record of

Tecktonius-Reed Strains

R. C. S. C. Buff Leghorns

S. C. Rhode Island Reds



An occasional winning fowl, or pen, is not unusual; many breeders produce them, but that don't make a WINNING STRAIN, any more than a "swallow makes a summer". Producing a strain of birds that **sweep the boards** in the big Nat'l Laying Contests and Exhibition Arenas - not ONCE, but YEAR AFTER YEAR - is the unbeatable achievement of **Tecktonius-Reed** "Buffs" and "Reds", in competition with all popular breeds—against America's foremost breeders. This unequalled breeding and exhibition record proves "Tecktonius-Reed's" **breeding methods** to be scientific, and and their strains of "Buffs" and "Reds" to be a dependable foundation upon which poultrymen can rear a brilliant poultry success. Hundreds are doing it today; why not you?

Note Our Attractive 1914 Offerings

Choice of three Varieties (R. C. and S. C. Buffs—S. C. Reds) with Each

Utility Stock	Exhibition Breeding Stock	Exhibition Show Stock	Special Pullet Offer
Good breeding Cockerels $3 and $5 per head. Good breeding Trios, or Pens, $10 and $15.	Hens or Pullets—$5, $8, $10, $15, $25 per head. Cockerels—$10, $15, $25, $50 per head.	Pens—high quality—$50, $75, $100.	Eleven April Hatch Pullets—excellent value—mated to a good, vigorous Cockerel $25.00

NEVER BEFORE HAS OUR OFFERING been of such high quality—never before was your chance for making a "a ten strike" in poultry raising as good as now. In National Laying Contests—1912—our Buff Leghorns led with high average of 249½ per pen - 201 for individual hen.

"Tecktonius" Strain of "Buffs" carried of first exhibition honors for 8 years at Chicago, New York, Boston, Philadelphia, Baltimore, St. Louis, San Francisco, Kansas City, Indianapolis, Cincinnati, New Orleans, Memphis, Des Moines, and scores of lesser shows. Your success as a breeder—as an exhibitor—will be assured with a **Strain** backed by such an array of continuous triumphs. Send us your order today.

Tecktonius & Reed Buff and Red Farm

ROUTE 7 **RACINE, WISCONSIN**

Because you want birds of proven quality—
That's the reason

Rudy's Perfection Strain
White Wyandottes



are bound to please you. They have that pure white color, broad back, perfect head points and well spread tail so much desired in the beautiful White Wyandottes.

I will supply you with birds that cannot fail to please—the kind that will not be overlooked by any judge—birds that you will be proud to possess and that will win the ribbons for you if entered in competition.

Remember, my birds have the reputation of winning the most coveted prizes at the larger fairs and poultry shows.

Send for illustrated catalog and moderate prices.
Satisfaction guaranteed or money refunded.

Geo. H. Rudy, Route 15, Mattoon, Illinois

Candee The Big, Fresh-Air Cast Iron Colony Brooder

The heater, the grate, the hover, the depth of the felt curtain, the "breathing space" for the chicks under the hover—everything about the Candee Colony Brooder is BIG.

And best of all, it is built on honor to last a lifetime.

Its heater is all cast iron—a stove for business, with big, quick-heating surface to handle February and March brooding when the chicks need the big volume of heat that a coal stove gives.

Its guaranteed all-woven-wool felt curtain extends nearly to the floor, and positively directs the heated air down over the backs of the chicks; and it saves fuel because, with the felt curtain, you don't have to heat the whole room to keep the chicks warm.

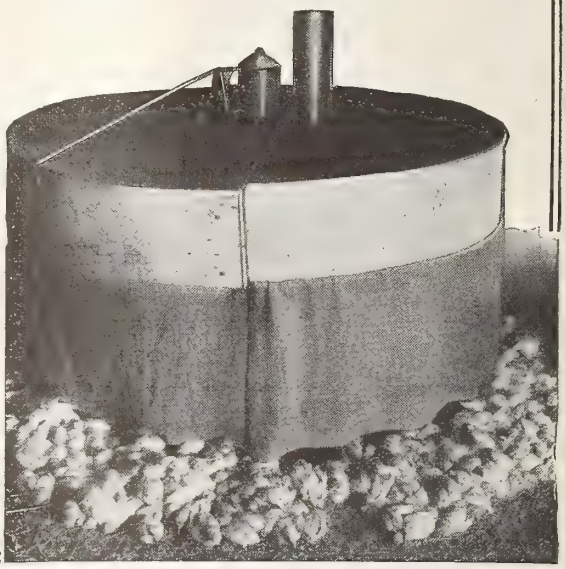
Its Big Features

A Grate of 12 inches in diameter—a safe size.

A Hover 28½ inches high—as high as a table or desk.

Hover 13 feet; 7 inches in circumference.

Section of Hover that swings out of the way for tending, 38½ inches—gives plenty of room for the operator.



Write Your Own Money-Back Guarantee

As a result, also, the room is not over-heated; the chicks have ideal conditions for exercise and a great, big warm hover when they need heat and a place to rest.

Through the Automatic Damper Regulator air is drawn from under the hover up the stove-pipe, and this circulation insures pure, fresh air for the chicks all the time, and healthier birds.

No wonder poultrymen are enthusiastic about the Candee. Read what Harry Tweddle, Proprietor of Beaver Dam Poultry Farm, Montgomery, N. Y., says:

"My chicks are doing fine with my two Candee Colony Brooders. I have 700 with one and 500 with the other. I have used brooders for 15 years and can say that I like yours the best, for it runs an even temperature all the time, uses very little coal and needs attention only once or twice a day."

Regardless of the number of chicks you will be brooding, you owe it to yourself to learn all about the Candee Colony Brooder. A post card or letter will bring you full information as to why the Candee will save your fuel, will give you more birds at maturity and increase your profits.

Candee Incubator & Brooder Co.

Department 2 **Eastwood, New York**

F. E. Harrison's ROYAL RED S. C. R. I. Reds

Are the True ARISTOCRATS of the Rhode Island Red World



1st Old Chicago Pen 1913-14, Bred and Owned by F. E. Harrison, Menominee, Mich.

The sun has never shone on three thousand Single Comb Rhode Island Reds that are of the same high class quality as my flock of this 1914 season.

The old adage, "Blood Will Tell," is demonstrated most decisively in the magnificent production of my this year's matings, and these specimens stand out with a pre-eminence that is clearly defined; in fact, the entire farm is alive with **living standard models.**

Editor Theo. Hewes, on a visit of inspection to my farm August 31st, stated that never before had he seen any flock that contained so many magnificent show specimens. (Read his report of this visit in the October Inland Poultry Journal.)

In the past two Chicago Coliseum Shows, **Royal Reds** have won nine out of a possible 12 firsts. No other competitor winning more than one.

My show record in national shows is positively the best ever recorded, and **Royal Reds** in the hands of customers are winning the world over.

Remember Royal Reds are the proud product of years and years of careful, conscientious, systematic and scientific breeding, and are the classic strain of either hemisphere.

In four national battles of supremacy, under four different judges, and in four different states in the season of 1913, **Royal Reds** won twenty-two out of a possible twenty-three first prizes; besides, winning every color special, every shape special, every championship and the Rhode Island cup emblematic of the Western championship, given by the Rhode Island Red Club of America.

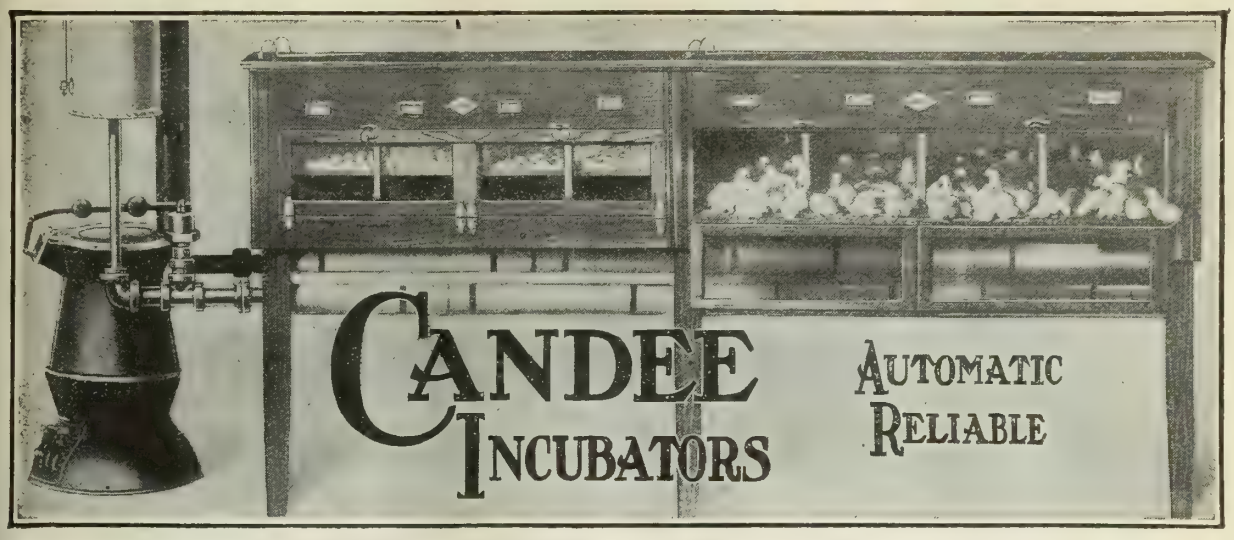
Note This: There were just one hundred and thirty-six exhibitors competing for these twenty-three first prizes, and when you stop to consider that **Royal Reds** won all firsts but one, you can then imagine the strength of this world's champion strain.

Cocks, hens, cockerels, pullets, trios and pens that have quality to go into any show in the world, for sale. There is no breeder in America that is in better position to furnish you with exhibition birds.

Circular free, and full details for the asking.

F. E. Harrison

Box 30 Menominee, Mich.



Make More Money Selling Baby Chicks Doing Custom Hatching

Turn a 2-cent egg into a 10-cent chick.

Fill any spare space with your neighbor's eggs at $2 a tray—practically clear profit.

That is what the big plants are doing and in a single season their Candees pay for themselves and earn handsome dividends besides.

Baby Chick Plan

All you need is a clean cellar in which to install your Candee. A supply of 60 eggs a day will keep a 1,200-Candee filled to capacity. If your own egg supply is too small, buy from your neighbors who have free range standard stock. You will operate when the eggs hatch the best and when eggs are at the lowest market price. In a few hours, you can arrange for your eggs. The chicks can be easily disposed of at your door or at local stores.

Custom Hatching Plan

The news that you have a Candee quickly spreads and you will probably have more business than you can handle. The Candee trays hold 75 eggs each—a wire partition between prevents mixing of chicks. Whenever you have four trays of eggs you start a compartment. An automatic heat regulator for each compartment holds that setting at just the right temperature as incubation progresses and safety against overheating is automatically assured.

Start at Once with a Candee 1,200

Hundreds of Candee 1,200s are in use. It is a popular size to start with—a perfect success and a proved money-maker. It represents only a small investment and earns money from the very first hatch. Only 11x14 feet of space is required. It comes in two sections and you can set it up in a few hours. Place it in your house cellar, if you wish, as it is approved by the Fire Underwriters and does not affect your insurance. Add extra sections as your business grows. It burns only a few cents worth of coal daily and is cared for in a few minutes. Your wife, son or daughter can easily look after it.

Write for Our Big Free 140-Page Catalogue

More Candees are in use than all other mammoths combined. More colleges and universities teach their students on the Candee. More successful farms use the Candee. More Candee customers increase their hatching capacity.

It takes a big catalogue to tell all these facts, to tell why and how Candee customers succeed. We have gathered all this information in a beautiful book, printed on good paper, 140 pages in all.

Our catalogue shows large illustrations of hundreds of poultry plants, from the Atlantic to the Pacific, in both the United States and Canada. It is sent free upon request.

It describes the 1915 Candee incubators, hot water brooding systems, hot water heaters and colony brooders. Write us today for your copy.

Candee Incubator & Brooder Co., Dept. 2, Eastwood, N. Y.

"The Crow Elk-Hart Jr."

A classy five-passenger touring car, electrically lighted and electrically started, with beautiful stream line body

List Price Between $690.00 and $745.00

A Real Automobile at a Popular Price

Within the next fifteen days, the *Crow Motor Car Company*, of Elkhart, Indiana, will formally announce the completion of a model, to be known as the *Crow Elk-Hart Jr.*

Every mechanical expert who has studied the splendid specifications of this classy little touring car, predicts it will sweep the country.

It will have a beautiful stream line body, oval radiator, full floating rear axle, 101-inch wheel base, electric lights and dimmer, electric self-starter, using the famous Gray & Davis generator system, fine upholstering, air cushions, beautiful royal blue finish, and the most practical motor that has yet been brought out.

Our mechanical engineers have been working for many months on a car that would be within reach of the average person—a car that would furnish a real automobile value. Here it is at last.

You will find in the *Crow Elk-Hart Jr.* every up-to-the-minute feature used in the highest priced car. It is built of the very best material throughout. It represents the best efforts of our skilled mechanics after seven years' experience in building motor cars that have earned a reputation of being "made to make good."

Every part of the *Crow Elk-Hart Jr.* has been subjected to the most rigid tests. Every part has been thoroughly tried out before it was finally adopted.

There is nothing experimental about the *Crow Elk-Hart Jr.* Like every car built at our factory, it will have our two-year guarantee against defects in workmanship or material.

Although we have not yet issued a single circular telling just what the *Crow Elk-Hart Jr.* will be, we are already receiving orders for it in carload lots.

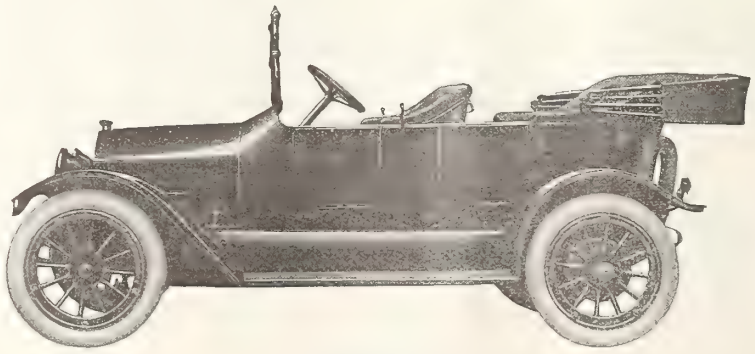
To those who contract before December 1st for handling *Crow Elk-Hart* cars, we will promise the delivery of five *Crow Elk-Hart Jr.* cars before March 1st.

The *Crow Elk-Hart* is a car *you can sell.* The *Crow Elk-Hart* is a car that will bring you big profits as our dealer in your territory. We want to have a sample *Crow Elk-Hart* running in every county in the United States this fall, so that we can show the prospective buyers just what our 1915 car is and what it can do.

If you are looking for an opportunity of realizing big profits, we suggest that you write us immediately and we will give you our special introductory prices to dealers. *Drop us a line now.* The time to act is short.

Crow Motor Car Company

Elkhart, Indiana



MODEL E-45

NOW THREE STYLES of CYPHERS INCUBATORS

FOR THE SEASON OF 1915 we offer the poultry public of the United States and Canada *three patterns or styles* of high-class, *guaranteed hatching machines*, as illustrated and briefly described herewith. Please note closely the names, sizes and prices. These three styles of incubators, running through **Eight Different Sizes** and ranging in price from $10 to $38 are meant to meet the needs of all persons who are to be in the market this winter and next spring for *a satisfactory device of this kind.*



Made in Two Sizes.

130 Egg Superior Hot-Water Incubator. Price, Complete in Every Detail, $14.00.

SUPERIOR HOT-WATER INCUBATORS

These machines are exactly what the name says. They are heated by hot-water, instead of with hot-air and are "superior" *in every detail.* The water boiler and tank (tubular) are of heavy-weight copper. Lamp has seamless bowl; burner is best on market. Incubator case *is of wood,* attractively finished in golden brown, with brass trimmings (hinges, buttons, etc.), and has *double walls,* with air space insulation. Are equipped with Standard Cyphers zinc and steel toggle-joint thermostat and knife-edge regulator. Have *forced water circulation* and are automatic in ventilation. Roomy chick nurseries. Are built in two sizes: 65 eggs, price complete, $10; 130 eggs (see illustration), price complete, $14.00. *Fully guaranteed.*

COLUMBIA HOT-AIR INCUBATORS

Are built to meet the wide-spread demand for large-capacity, lamp-heated machines that can be sold at *surprisingly low prices* and yet be guaranteed to do high-class work. Have wooden cases, attractively finished in dark green, with brass trimmings and double walls. Seamless-bottom lamp bowls, best quality brass burners, zinc and steel Standard Cyphers toggle-joint thermostat and *same regulating equipment as used on highest priced machines.* Fume-proof, forced draft heater, asbestos covered and metal banded. Automatic in ventilation and embodies diffusive principle. Roomy chick nursery under egg trays. Are made in two sizes: 140 eggs, price complete, $15.00; 250 eggs (see illustration), price complete, $19.00. *Fully guaranteed.*



Made in Two Sizes.

250 Egg Columbia Hot-Air Incubator. Price, Complete in Every Detail, $19.00.



Made in Four Sizes.

390-400 Egg Standard Cyphers Incubator. Price, Complete in All Details, $38.00.

STANDARD CYPHERS INCUBATORS

These are machines that *for fifteen years* and more have been recognized as the "standard hatchers of the world." Tens upon tens of thousands of them have been sold and are in *successful use in every civilized country on the globe.* They are the last word to date in incubator building, not a penny being spared anywhere in their construction to make sure of their doing satisfactory work *in all climes,* under *widely different conditions,* in the hands of all sorts of people. Are built in four popular sizes and at prices as follows: 70 eggs, price complete, $15.00; 140 eggs, price complete, $22.00; 244 eggs, price complete, $32.00; 390-400 eggs, price complete, $38.00. Satisfaction, *or your money back.*

All Prices in this advertisement are for territory east of the Rocky Mountains, north of Texas, and south of the Canadian line. In high freight territory slightly higher prices have to be charged, but as a rule the difference is small.

FREE CATALOGUE: WRITE TODAY for special circulars about our SUPERIOR HOT-WATER and COLUMBIA HOT-AIR INCUBATORS, which will be sent free on request to any address, and also have your name listed to receive a FIRST EDITION COPY of our 200-page Complete Catalogue for 1915, entitled **"The Profits in Poultry Keeping,"** that will be ready for mailing by January 1, 1915. Contains valuable down-to-the-minute information on how to make the most money with poultry in small or large flocks. Address our place of business nearest you and ask for the name of nearby sales agency.

Cyphers Incubator Co. Dept. 30 Home Offices and Factory **Buffalo, N.Y.**

BRANCH STORES and WAREHOUSES: NEW YORK, N. Y. 41 Barclay St. | BOSTON, MASS. 12-14 Canal St. | CHICAGO, ILL. 329-331 Plymouth Court | KANSAS CITY, MO. 317-319 Southwest Blvd. | DALLAS, TEX. 316 N. Preston St. | OAKLAND, CAL. 2127 Broadway | LONDON, ENG. 121 Finsbury Pave.

COLE'S BUFF PLYMOUTH ROCKS

Are among the best in the world. Won at the great Coliseum Show, Chicago, Dec. 1913, 1st and 4th cockerel, 1st pullet, 3d hen, 1st pen young, best display. For Sale—50 yearling hens at $2 and $3 each. Young stock now ready for delivery. Some fit to win in any show.

Frank C. Cole : : Catalogue Free : : Van Wert, Ohio

A New Record for Nixon's White Wyandottes

At the big Inter-State Fair, Trenton, N. J., October, 1914, I made the following smashing win: 1st and 5th cock, 1st and 2d hen, 2d and 4th cockerel, 1st aud 2d pullets, 1st pen, special for best male, special for best female and best display. **Lost first cockerel on sick birds.** This win was made on eight entries. Come to a specialist if you would be successful. Write for just what you need in good winners, layers or breeders.

Chas. Nixon, Judge and Breeder : : : Box 202, Washington, New Jersey

Special Sale of Choice Select Breeders

SHIPPED ON APPROVAL

on a most liberal and fair plan which absolutely insures you birds that will please. You take no risk. You are absolutely pleased or no sale.

MODERATE PRICES

50 White Plymouth Rocks **50 Barred Plymouth Rocks**
50 White Wyandottes **50 R. C. Rhode Island Reds**

These birds have all been carefully selected especially for this sale. They are good sized, good colored birds, farm reared, healthy, vigorous, and at the best age for breeding.

Good Birds sold on a plan that is really on approval. Handsome catalogue and full details free.

R. C. CALDWELL Box 1021, LYNDON, ROSS CO., OHIO

Myers' Barred Ply. Rocks

LADY BEAUTIFUL STRAIN -- FEMALE LINE EXCLUSIVELY

Consistent Winners at Madison Sq. Garden, New York, Philadelphia, Hagerstown, and other leading shows

My show record has been made with birds of **my breeding.** I have mated and bred them for years and have pardonable pride in my success and the **breeding quality** of this line which is of utmost value. They breed true and a quality to please you.

A FEW OF MY WINNINGS

1913

AT MADISON SQ. GARDEN, N. Y.

1st and 5th Hen
2d and 3d Pullet
3d Pen
Champion female in Barred Rock class.

AT PHILADEPHIA

1st, 3d, 4th, 5th and 6th Hen
1st, 3d, 5th and 6th Pullet
1st, 3d, 4th and 5th pullet-bred male
1st pen to produce exhibition pullets
Cup for best display
Champion hen of show, all breeds considered

1912

AT MADISON SQ. GARDEN, N. Y.

1st Hen
2d Pullet
Special for best shaped female in Barred Rock class

AT PHILADELPHIA

1st, 2d and 8th Hen
1st, 3d and 4th Pullet-bred male
1st, 3d, 5th, 6th and 8th Pullet
Champion hen of show, all breeds considered

Have a grand lot of breeding stock for sale. If you want to improve your stock write for a cockerel, or if you want to breed winners let me mate you a trio or pen. Let me send you my catalog—it tells the story of this line in breedings, winnings, matings, etc. It also describes the birds, with prices and general information. Write today, address

C. N. MYERS : : : HANOVER, PENNSYLVANIA

HERE IT IS!





21 TIMES World's Champion



BELLE City hatching outfits entered by owners in Successful Farming's 1914 Contest in *competition with all other machines* took 13 more championships out of the total of 28 awards.

These added to the 8 world's championships which the Belle City already had, make the Belle City the 21 Times World's Champion.

A full account of the 21 Times World's Champion Belle City winnings is given in my new free book, "Hatching Facts." Send for book.

Get the Whole Wonderful Story—The winners themselves tell how all the 21 World's Championships were won by 100 per cent hatches in competition with all makes of incubators, some costing far more than the Belle City.

My Free Book, "Hatching Facts," also gives the stories of multitudes of men and women who are scoring 100 per cent perfect hatches with the Belle City in all parts of the country. 327,000 World's Champion Belle City outfits are now in use. Get the Book. Satisfy yourself. And remember—when you order a Belle City you get an exact duplicate of the machines which have won the World's Championship 21 Times.

Belle City Incubators and Brooders

Postal Brings Free Book to You

Get This My $800.00 Gold Offers

HERE'S the greatest chance you ever had to make money with a hatching outfit. The conditions are so easy that any man, woman, boy or girl of any age may receive the biggest pay.

My big Free Book tells all about it. You don't have to be an expert. You don't have to have *any experience whatever* to share in these cash gold offers. Write right now and you will have the advantage of those who wait until later. *Don't delay.* Don't let anyone get the start of you. Free Book tells you everything you want to know.

A Postal brings you the big portfolio "Hatching Facts," in addition to the facts about the high percentage and perfect hatches, it tells you how the 21 Times World's Champion Belle City Incubator is made—illustrates it by great big reproductions in actual colors. The book tells you all about my world famous Belle City Brooder—guaranteed to raise largest percentage of chicks every time—a fitting companion to my 21 Times World's Champion Belle City Incubator.

The book shows you pictures from actual photographs of prize winning hatches—gives you my ten-year money-back guarantee—my low price and 1-, 2-, 3-months' Home Test *freight prepaid*—gives you full particulars of my $800.00 cash gold offers. Start a postal to me now and book will come on next mail.

Jim Rohan, Pres.

Belle City Incubator Co.
Box 27 . Racine, Wis.

Write Now



Successful Lessons in Poultry Raising FREE

20 Lessons Free to Everyone Purchasing a Successful Incubator or Brooder

HERE IS YOUR CHANCE to get this complete course of 20 lessons that have enabled hundreds of poultry raisers to add hundreds of dollars to their yearly income—real, genuine, down-to-brass-tacks lessons that explain everything in detail—that save you all chance of going wrong. Let Gilcrest, the successful man, start you right—keep you going right—and help you cash in on the profits this season that you hope to make, can make, and deserve to make raising chickens if you start right. Just write Gilcrest a postal.



J. S. GILCREST
President
Life Member American Poultry Association

These 20 Poultry Lessons Are Really Worth $25 or More

Beginners need these lessons which will save them failures—loss of money, time and trouble. Write today for this lesson offer and for your own sake—learn just why Successful Incubators have been so successful for years and years—why they are being sold by thousands not only in every state of the United States, but also abroad.

Send Me Your Name on a Postal

Write early. Get ready now. That don't cost a cent. If you decide not to buy of Gilcrest, you won't be under any obligations. Write—then decide. You don't want to miss this chance. Find out by writing us a postal.



Fresh, Green Feed That Makes Hens Lay All Winter

Change 1 bushel oats into 3 bushels green, tempting, egg-making food with a

SUCCESSFUL GRAIN SPROUTER

Sectional, All Steel

Double steel walls—fireproof. Make hens lay when eggs are highest. Write today for descriptive circular and low prices.

SUCCESSFUL
Incubators and Brooders

The famous incubators and brooders that give most chicks, *every time*, in any climate, anywhere, for longest term of years.

The incubator that I, personally, and the entire Des Moines Incubator Company and all its resources stand back of and positively *guarantee*, will hatch larger and stronger chicks and *larger percentage than any other incubator* when operated under the same conditions.

The incubator *guaranteed* to be the only machine in the world that is cabinet made. The only hatcher that heats around the colder edges of the body first. The hatcher *guaranteed* to vary not over a fraction of one degree throughout the entire hatch—*because* of the fact that our own patented lamp and water thermostat regulator are 99 9-10 per cent perfect.

Learn *all* the *exclusive features* of Successful Incubators before you risk a penny on any poultry raising outfit. Investigate before you invest. Write *immediately* for my big Free Catalog. Read my guarantee—the strongest, broadest guarantee ever put behind *any* incubator. You will find it fully explained in big Free Book. Send your name and address for it *now*.

Gilcrest has mighty attractive poultry, too—high grade stock and eggs of all leading varieties—land and water fowls.

NOTE—Our famous little booklet, "Proper Care and Feeding of Chicks, Ducks and Turkeys"—is worth its weight in gold—sent for 10 cents. But our BIG CATALOG is FREE. Send for it.



Only $6.75 and Up

J. S. GILCREST, President and General Manager

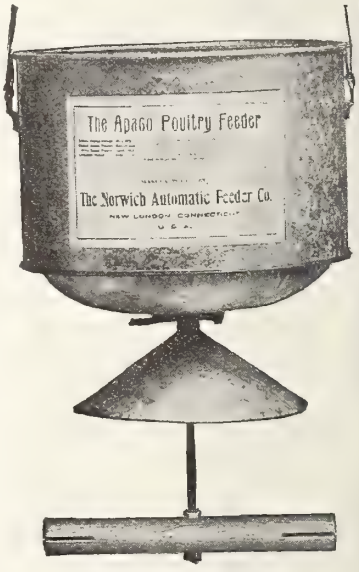
Des Moines Incubator Company, 1 Second St., Des Moines, Iowa

This Automatic Poultry Feeder
Will Make Your Hens Lay Better

Here's *proof!* The Norwich Automatic Feeder is used exclusively at the North American Laying Competition where all official egg records have been broken. In the Third Competition, just completed, the entire flock of 500 birds averaged 170 eggs—131 of them laid 200 eggs or more—one pullet made a world's competition record of 286 eggs in 365 days. These are *official records* made by birds operating these feeders, *which were refilled but once each week.*

Did your flocks do as well? You *can* secure equally good results, at the same time *reducing labor and feed bills.* Adopt this method of feeding—give your birds a fair chance to do their best work. Our new

APACO POULTRY FEEDER



12-Quart Capacity

Price $1 Delivered

east of the Mississippi River—$1.30 delivered to points beyond



"Columbian Queen" The 286-egg Record Hen

Fed by our automatic feeders

is offered in response to the demand from owners of small flocks for a low-priced machine embodying the essential mechanical features which have proved so thoroughly satisfactory. It has a capacity of *12 quarts*—is positive in action—thoroughly well made—will give satisfactory service for years.

Among the special points of merit of the Apaco Poultry Feeder are the all-important *adjustable valve* for regulating the flow of feed and positive *rotary action feeder rod.* These are exclusive Norwich features which cannot be secured elsewhere.

Guaranteed Satisfactory or Money Refunded

Test this time-saving, results-bringing method *right now.* Mail your order for one or more Apaco Feeders today. We will make immediate delivery through your dealer or by parcel post and your flock will soon begin to pay you dividends. You simply can't lose under our guarantee.

Our attractive catalog is full of interesting pictures and helpful information. Mailed free for the asking.

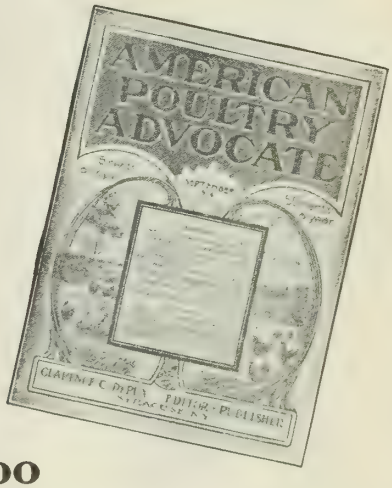
THE NORWICH AUTOMATIC FEEDER COMPANY

21 Trumbull Street New London, Conn.

$2.00 Value for $1.00







ALL THREE
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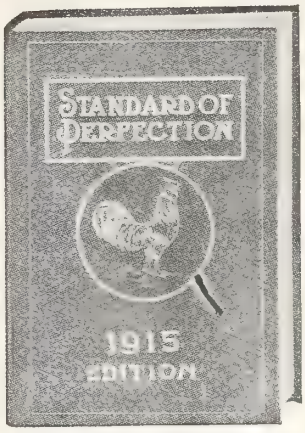
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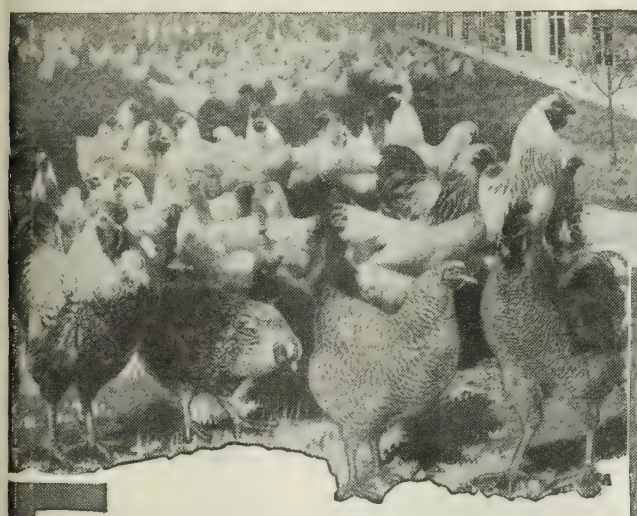
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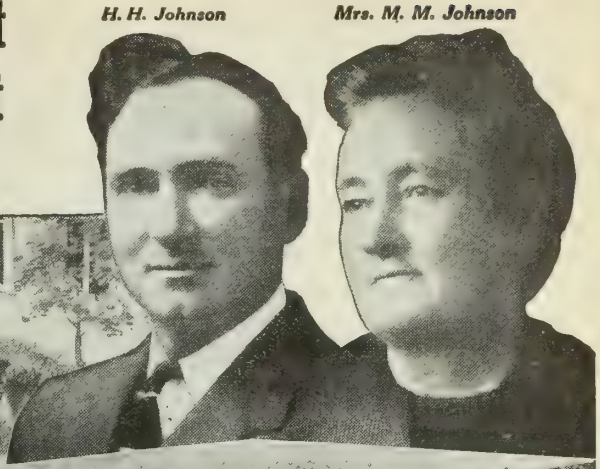
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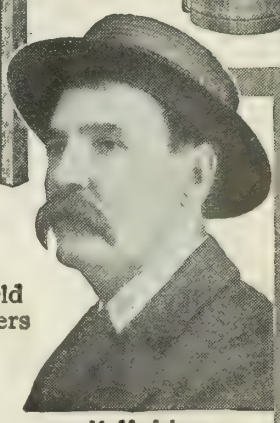


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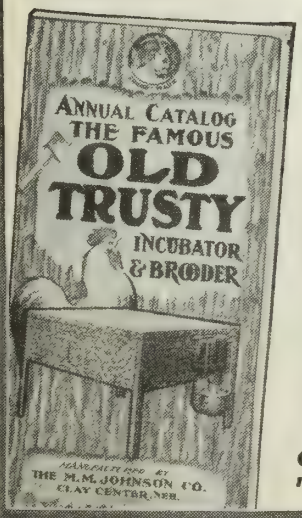
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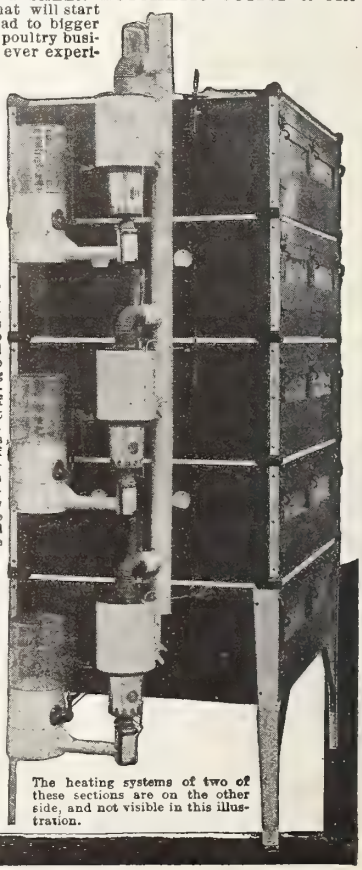
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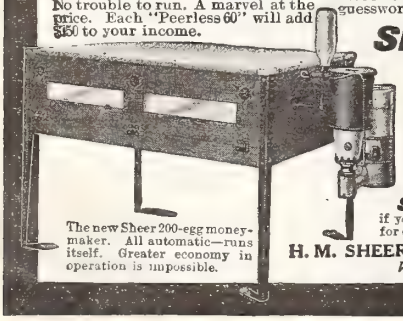
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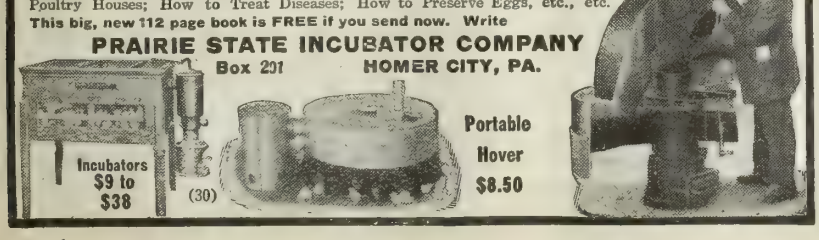
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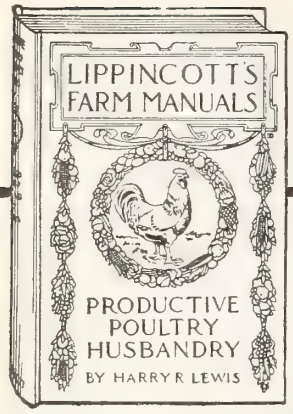
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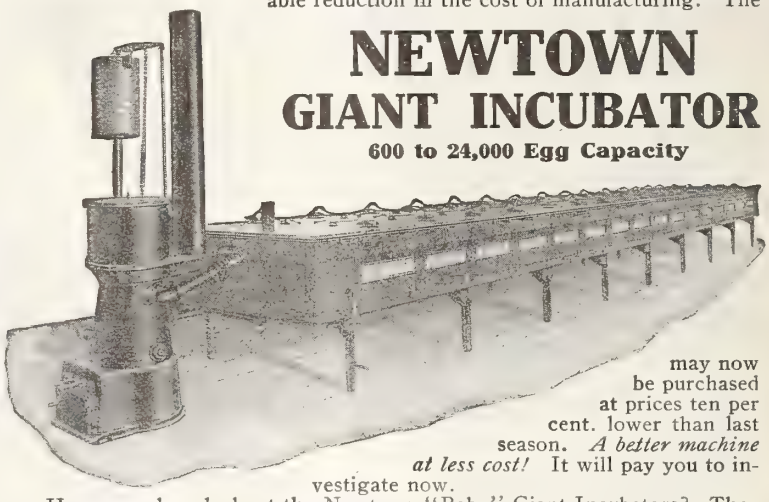
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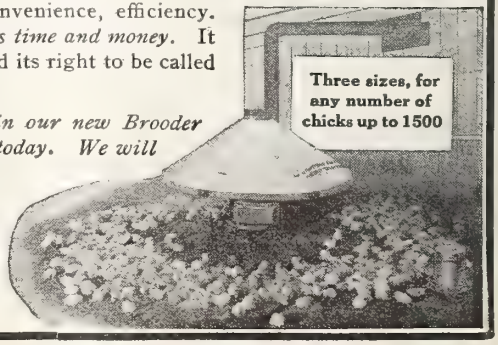
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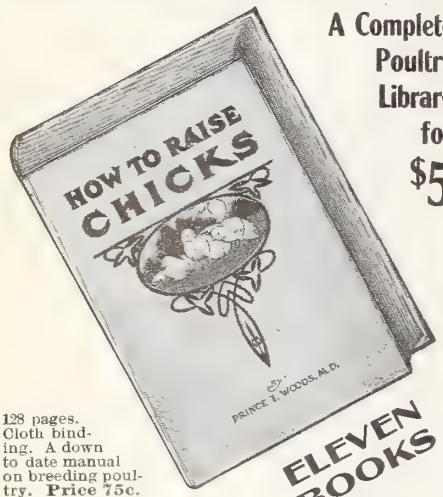
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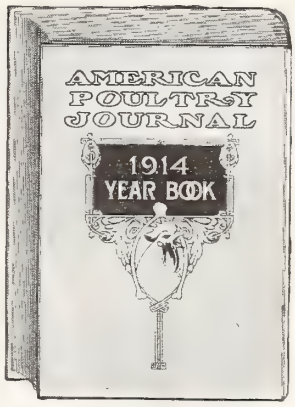
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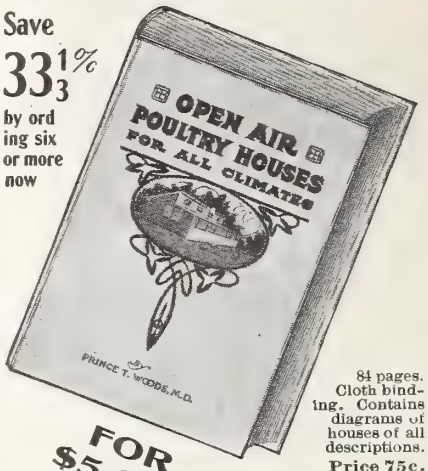
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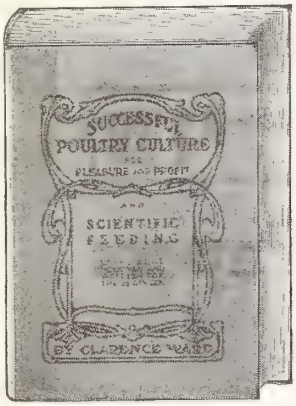
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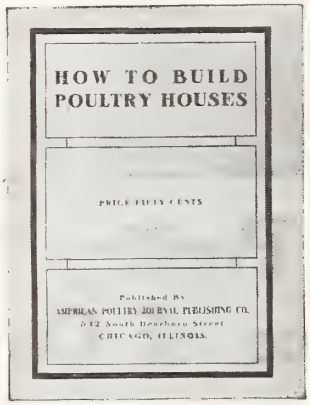


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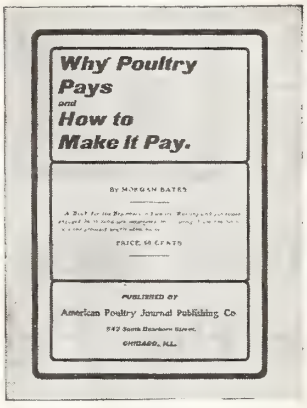
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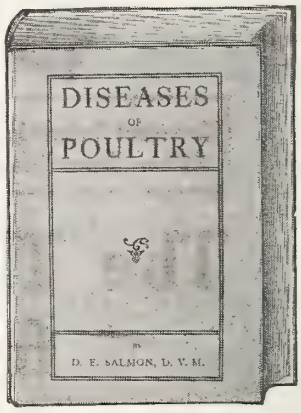
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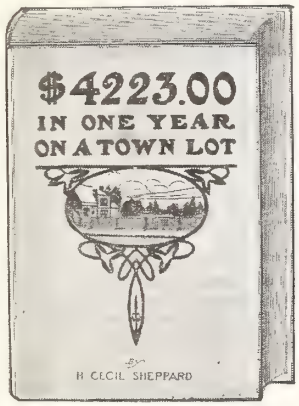
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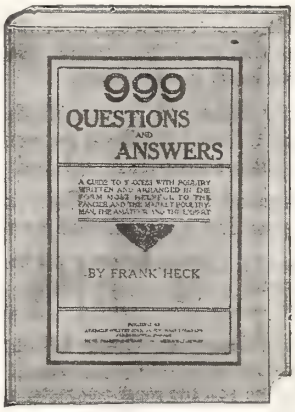
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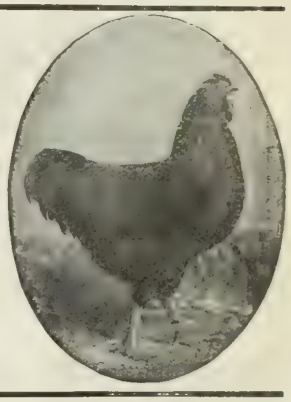
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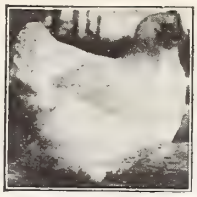
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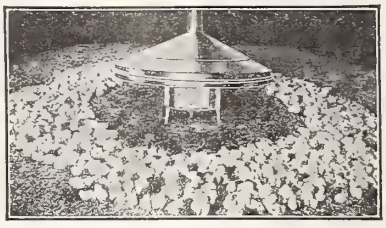
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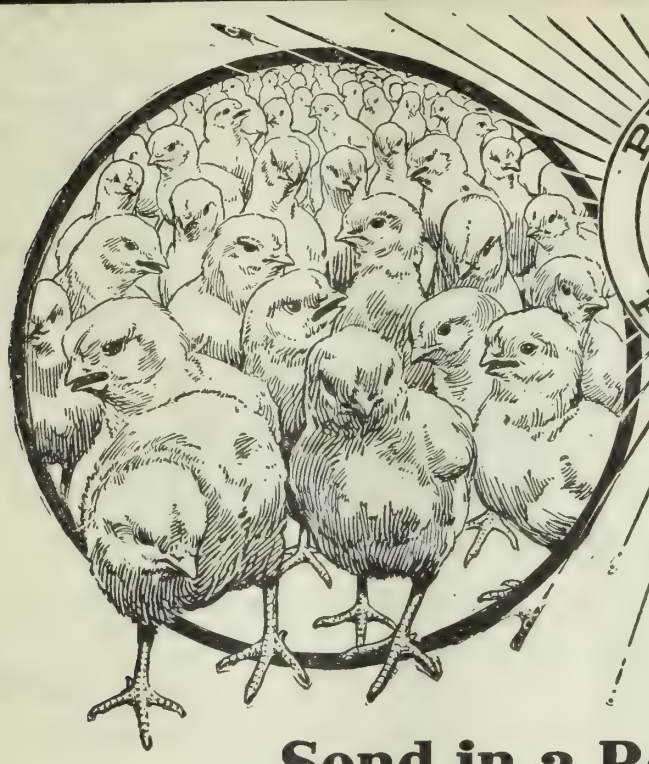
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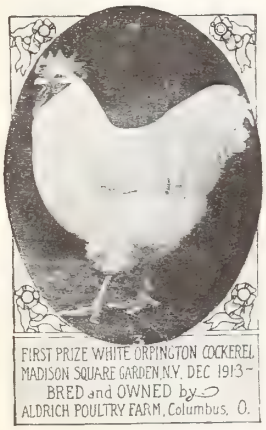
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AMERICAN POULTRY JOURNAL

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Volume 45 | Chicago, Ill., December, 1914 | No. 12

The Improvement of Farm Poultry

It Will Pay the Farmer to Keep Only First Class Standard-Bred Fowls

By James B. Morman, Kensington, Md.



THE farmers in the United States are not getting rich quickly from poultry keeping. The Census of 1910 gives the average value of eggs produced on each farm which reported in 1909 as a little less than $58, and the value of poultry raised as $42. Thus the average total value of poultry products per farm in 1909 was about $100. When the expense of feeding, labor and marketing are considered, together with the interest on the capital invested, the profits made by the average farmer from poultry must be exceedingly small.

The kind of poultry kept probably has something to do with this poor showing. The number of fowls on farms reporting was 273,255,924, and the number of eggs produced 1,457,385,772 dozen, or an average annual production of 64 eggs per fowl.

With the natural advantages the farm has over any other place for keeping poultry, this is a very poor showing in egg production. The fowls of the farm usually have free range, and this advantage ought to be worth dollars and cents to the farmer. But from a financial point of view, the showing is not much better than the egg yield. The total value of poultry products raised in 1909 and sold on an economic basis has been estimated at about a billion dollars. The Census reports the value of all fowls on farms in 1909 at $154,663,000, and of eggs produced at $281,157,980—or a total of $435,820,980. It is to be considered, however, that only 87.8 per cent of all farms reported poultry returns and only 76 per cent reported egg production. When due allowance is made for these deficiencies, it shows that only about one-half of the poultry and products raised comes from the farms in this country.

From these facts let us learn two lessons. First, that the American farmer has a golden opportunity at hand in poultry keeping; and, secondly, that standard breeds of poultry are as important and valuable to the farmer as other first-class stock.

Now, I propose to show that it will pay the farmer well to keep first-class fowls, as judged by the record of my flock of 50 White Plymouth Rocks during the past year. The day of the scrub in live stock on the farm is rapidly passing, for the importance of pure-bred stock is quite generally recognized by the progressive farmer everywhere. There is no reason why this progress should not include poultry. It has been shown by the Illinois Experiment Station that many farmers are keeping cows with little or no profit, if not at a downright loss. Such a farmer, if he is wise, would probably find it to his advantage to get rid of all such cows and invest his money in good poultry. His prospects for turning a loss into a profit would be much better with some Standard breed of poultry. But the question is will he do it?

Increasing the Egg Yield.

Notwithstanding the Census figures quoted above, it is difficult to believe that the great utility industry of egg and poultry production on our farms, which amounts to upward of half a billion dollars a year, is carried on without a profit. If this is the case, it had better be abandoned. No farmer is justified in working for nothing in this day of economic progress. He has done that long enough in the past, and it is time to have a change. Let us suppose, therefore, that the farmer whose flock produces an average of 64 eggs per fowl a year makes a little profit off his fowls. Then, if he can double his annual egg output, the difference is all clear gain and his profits will be increased to that extent. If he keeps 50 or more fowls, the gross increased profit on this basis would amount to a nice sum at the end of the year. That this increase in egg production per fowl is easily possible, I give the following figures of eggs laid by my flock in 1913.

January	617 eggs	July	575 eggs
February	672 eggs	August	459 eggs
March	892 eggs	September	349 eggs
April	728 eggs	October	210 eggs
May	650 eggs	November	143 eggs
June	612 eggs	December	290 eggs

These figures of monthly egg production give a total of 6,197 eggs. At the beginning of the year the number of fowls was 53, of which 4 were 2-year hens, 22 1-year hens, and 27 pullets. On the basis of 53 fowls throughout the year, this gave an average of 117 eggs per fowl.

Since I use only fowls for incubating purposes, a part of the time of many fowls was taken up in hatching and rearing chicks. Moreover, several fowls were sold for hatching purposes early in the year, some were killed later for table use, and by the first of November the whole flock had been sold or otherwise disposed of with the exception of six. When all these conditions are taken into consideration, it is evident that the average egg production per fowl is much above 117 eggs, or more than double the average egg production of farm flocks in the United States.

The simple though necessary conditions of high egg yields are a Standard breed of fowls scientifically bred for egg production if possible, regularity in feeding, good houses, scratching accommodations for winter use, cleanliness, and a good yard or grass range. Of these conditions, probably the subject of feeding for successful egg production is one of the most important for poultry keepers. I practice the following simple method:

On winter mornings I feed a mash consisting of 8 parts by measure of bran, 2 of middlings, and one each of ground

oats, meat meal, and cut alfalfa or clover, the whole being wet down to a crumbling mass with the wastes from the table. In summer, the meat meal is omitted or reduced to not more than twice a week, depending upon the extent of the range that I allow the fowls to have. At noon, the fowls are given a half ration of wheat and oats mixed in equal parts; in winter this is thrown into the litter in the scratching pens, but in summer it is usually fed out-doors where the fowls can scratch for it to some extent. At night, the fowls are given all they will eat of a mixture of two parts corn and one part each of wheat and oats in winter, the amount of corn being reduced one-half as summer approaches. The reason for this is that fowls do not need as much of a heat-producing food as corn in summer as they do in winter.

As accessories, especially for winter egg production, the fowls are supplied with some kind of green feed occasionally, but are always provided with plenty of oyster shell and grit, fresh water, and a clean, dry dust bath.

Money in Surplus Cockerels.

Cockerels are generally regarded as a nuisance. For this reason they are frequently sold before their most profitable



First hen Chicago Coliseum show, 1913. Bred and owned by Robert D. Parmenter, Knoxville, Ill. Made from retouched photo.

age. Young chicks grow less rapidly during the first three months than they do during the second three months of their life. But, instead of being a nuisance, cockerels can be turned into good money without much effort by giving attention to a few details as to feeding and management.

For the best results, cockerels should be put in pens by themselves when they are from three to four months old. If penned early enough, they remain quite contented, require less attention, put on flesh rapidly and make an excellent table fowl with flesh almost as tender as a capon.

In feeding cockerels for meat, it is to be borne in mind that feeds containing a high percentage of protein, like meat meal, wheat, oats, etc., are the flesh formers. Corn, on the other hand, is rich in carbohydrates and fats, and is a heat and energy producing feed. In summer and early fall, cockerels can get along well with very little corn. The method of feeding described above for hens has also given good results with cockerels, especially if they are given a good supply of feed three or four times a day. When growing and in good health, cockerels will eat ravenously and put on flesh rapidly.

During the season of 1913 I undertook to determine what would be the income from 50 surplus cockerels handled in this way after they had reached the age of three months. During the time they were fed and managed as described not one showed any signs of sickness and there were no losses. No cockerel was sold or killed until the weight reached was four pounds or over. The average weight was about six pounds. The price charged was 20 cents per pound live weight, and 25 cents dressed. The cost of feed was $32.40, or about 10 cents a bird per month. The value of the cockerels sold and used for food was $63.98. This gave a surplus of $31.58, or a profit of about 60 cents per cockerel.

Profits From the Flock.

Would it pay the farmer to handle a small utility flock of fowls in the manner described? That is a question each must answer for himself, but it is worth considering. How many farmers keep records of income and expenditures from their dairy cows in order to know what profits they are making each year? Many a cow does not pay for her feed, yet some farmers keep them right along because they do not keep the records of individual cows, do not keep accounts, and cannot dispose of a cow as easily as a fowl.

For the past ten years I have kept detailed accounts of my flock of 50 White Plymouth Rocks, and I find both pleasure and profit in it. An itemized statement of income and expenditures for the past two years shows the value of a Standard breed of fowls for profits:

	1912.	1913.
Eggs at retail	$184.59	$163.02
Profit on sittings	21.08	29.11
Poultry sold	29.25	68.21
Fowls for table use	20.45	23.02
Increase in flock	6.00	40.50
Manure	5.00	5.00
Total income	$266.37	$328.86
Expenditures	108.92	151.71
Profits	$157.45	$177.15

On the basis of 53 fowls at the beginning of the year 1913, with no charge being made for labor, the net income is shown to be $177.15, or an average profit of $3.34 per fowl. This surpasses any record of profit I have ever made, and I attribute it to the following reasons: (1) The importance of a Standard breed of utility fowls for eggs and meat; (2) the raising of more chickens so that the cockerels could be fattened and sold; and (3) selling off the older fowls entirely with a view of using pullets only during the season of 1914.

At the present time, when the prices of many farm products are being lowered to a bare margin over the cost of production, it is advisable to practice every sort of economy and to secure as high profits as possible to meet existing conditions. From a strictly economic point of view, fowls today offer the farmer as good an opportunity to make a substantial profit as any line he can take up. The demand for eggs and poultry as food is going to increase with the rise in the prices of all other kinds of meat. When it is considered that the outlay for feed on the farm is very little, that the fowls usually have an extended run and do not require so much care, except in the winter, when the farmer has the time to give to them, the prospects of good profits by keeping some Standard breed of fowl were never better for farmers than they are at the present time. It seems surprising, in view of what profits can be made from egg production, that the farmers in the United States have paid so little attention to the poultry side of their industry, as the Census figures seem to indicate.

After many years of experience, I would advise every farmer to adopt some Standard breed of fowl, to give more attention to this branch of his business, and to keep records of the flock's production in eggs. These records will furnish a clue as to any improvement in profits from year to year. I believe the average farmer would soon realize that good fowls are about as profitable as any kind of livestock produced on our farms. There will undoubtedly be an increasing demand for both eggs and poultry for many years to come, and if the farm does not yield its quota of these products, the profits for the commercial producer will be all the greater because of the increase in price of eggs and poultry. In either case, the future prospects of utility poultry keeping were never brighter than they are at the present time.

National Egg-Laying Contest Report

"Lady Showyou's" Record Probaby Will Be Surpassed By Several Eggs—All Previous Records Broken for Eleven Months

By T. E. Quisenberry



THE tremendous interest which has been manifested and the attention given by breeders everywhere during the past few years to selection and breeding for egg production is responsible, in our opinion, for the great showing being made by the 1,000 hens in the National Egg Laying Contest at the Missouri State Poultry Experiment Station. Previous records are already broken, and it seems that a beautiful White Leghorn hen from Nebraska is almost certain to beat the record made by the famous hen, Lady Showyou, 281 eggs. The pen record has already been beaten by 181 eggs, and we have one month yet before the contest closes. This record is made by the English White Leghorns. A Barred Rock from Iowa, a White Wyandotte from Pennsylvania, and a Black Orpington from Nebraska have already surpassed any record made by those varieties in any of our previous contests. Others also seem destined to break previous records made by their varieties before the contest closes. Notwithstanding handicaps, a hen from New Zealand is among the nine highest hens. The average number of eggs laid by each hen for the eleven months is 155, which includes good and bad.

The hens have all been housed in the Fool Proof Shutter Front Poultry Houses. Each house is 8x12 feet with a partition in the center and ten hens on each side.

The method of feeding is as follows:

Equal parts of corn and wheat in spring and fall. Two parts corn and one part wheat in winter months, and one part corn chop and two parts wheat in the hot summer weather. Ground oats were fed in a hopper to take the place of the dry mash usually used. The oats were prepared by running them through an ordinary feed mill, hull and all. With each hundred pounds of oats we mixed ten pounds of dry beef scraps, one pound of ground charcoal, and one pound of salt, free from lumps. When sour milk, buttermilk or separated milk is available, we use that and prefer it to beef scraps. If the ground oats are not available, we use equal parts of wheat bran, shorts or middlings, and cornmeal with the beef scraps, charcoal, oystershell, and salt, as stated. The ground feed is kept before the hens at all times. The grain is fed in a six-inch litter in the following quantities:

Each morning, one pint to ten hens, and at night, one and a half pints to ten hens. Provide some green food, and keep the yards sweet by cultivation. We have grit, oystershell and fresh water always before the hens. Each afternoon we give the hens a moistened mash, all they will eat in thirty minutes. Use the cornmeal, bran and middlings for this purpose, and moisten it with milk or water. This is an important part of the rations for laying hens. Don't neglect the moistened mash.

This is a very simple method of feeding laying hens and there is not much danger of overfeeding them if they have been properly bred. For breeding stock we would recommend a ration composed principally of corn, wheat and oats, and no mash or beef scraps. Provide plenty of green food and compel the breeders to take plenty of exercise. This will enable you to get eggs which are fertile and which will hatch strong vigorous chicks which will live. Remember that the breeding stock should not be fed so freely and compelled to take more exercise. Feed more whole grain to the breeders and avoid much mash and beef scraps.

The Barred Plymouth Rock hen mentioned above is a very well marked specimen. She is better than 50% of the hens found in fanciers' yards. This is another point in favor of trying to breed good colored and shaped birds and combining in them the qualities of egg production. We also have two Leghorn pullets hatched in February that were bred from prize winning birds at last fall's poultry shows. One of these February pullets has laid 85 eggs so far, and the other 82 eggs.

The ten highest pens for eleven months are as follows, each pen being composed of ten hens:

Pen.		Eggs.
0.	S. C. White Leghorns, England	2,251
79.	S. C. White Leghorns, Pennsylvania	2,050
65.	S. C. White Leghorns, Missouri	2,033
47.	S. C. Reds, Missouri	1,932
18.	White Wyandottes, Pennsylvania	1,919
24.	White Wyandottes, England	1,901
69.	S. C. White Leghorns, Kentucky	1,867
70.	S. C. White Leghorns, Missouri	1,844
9.	S. C. White Leghorns, Pennsylvania	1,799
59.	Barred Plymouth Rocks, Ohio	1,797

So many hens are in full moult that the pen records were not very high, but were good considering the season. The ten highest pens for October were as follows, the English White Wyandottes winning the silver cup for October:

Pen.		Eggs.
24.	White Wyandottes, England	183
69.	S. C. White Leghorns, Kentucky	164
19.	Buff Wyandottes, New York	163
79.	S. C. White Leghorns, Pennsylvania	156
23.	S. Wyandottes, Missouri	155
25.	Buff Wyandottes, Missouri	151
75.	S. C. White Leghorns, England	137
94.	S. C. Reds, Ohio	137
102.	S. C. White Leghorns, New Zealand	137
35.	Black Langshans, Missouri	136

If the Nebraska White Leghorn hen can lay 17 eggs in November she will beat the great hen, Lady Showyou. The fifteen highest hens are as follows:



Made from retouched photo

Pen.		Eggs.
611.	S. C. White Leghorn, Nebraska	265
653.	S. C. White Leghorn, Missouri	250
566.	Barred Plymouth Rock, Iowa	248
655.	S. C. White Leghorn, Missouri	248
180.	White Wyandotte, Pennsylvania	246
05.	S. S. White Leghorn, England	242
694.	S. C. White Leghorn, Kentucky	242
799.	S. C. White Leghorn, Pennsylvania	242
820.	S. C. White Leghorn, New Zealand	240
01.	S. C. White Leghorn, England	238
03.	S. C. White Leghorn, England	238
576.	White Plymouth Rock, Texas	238
864.	Barred Plymouth Rock, Michigan	235
335.	Black Orpington, Nebraska	234
456.	R. C. Red, Missouri	234

Care and Management of A Farm Flock

Second Prize Article in A. P. J. 1914 Chick Growing Contest, With Illustrations Showing Fine Growth of Chicks

By A. H. Faulkner, Millington, N. J.



FOR the past fifteen years I have devoted much of my time to the study and work of raising poultry, and find it fascinating and profitable. Have selected for my breed the White Orpington, as I wish to have a large bird, a good winter layer, and one that is naturally tame, consequently easy to handle. Also when dressed for market, white feathered birds look better than those with the dark pin feathers that show up through the skin. For several years I have put colored leg bands on my birds, using a different color for each year, and can by this method tell the age of any bird at a glance.

Last November I selected from the flock ten pullets and ten hens. With the ten pullets I mated a cock and called it pen 1, while with the ten hens I mated a cockerel, making pen 2. They were kept in good condition, but not pushed for winter laying.

From these pens I commenced, March 1st, to use the eggs for hatching, placing them under hens, but always more than one hen at a time, as one hen would be wasting time brooding a small flock of chicks. Near the poultry house I have a building which I use for sitting hens. I use shallow boxes for nests and place a sod with the dirt side up in each nest. After the sod is rounded out in the center, I place hay and chaff over it. This plan avoids drying the eggs too much. When all is ready I put in a few nest eggs, and dust the hens with a good louse powder. The dusting is repeated on the fifth day and again on the tenth to kill off any lice that might have hatched since the last dusting.



Day-old White Orpington chicks with mother hen. Average weight, 2 ounces. See second prize article "Care and Management of a Farm Flock."

After the hens have been on the nests a couple of days and have settled down to business I give them their eggs, placing twelve eggs from pen one under one hen and twelve from pen two under the other.

In this room I kept whole corn, grit and water, and about the same time every morning took them off the nests to get something to eat and saw to it that they went back to the right nest again. The hens sat well and at the end of three weeks the hen on the eggs from pen 1 hatched ten nice fluffy white chicks. I have a chick toe-marker and marked these chicks on the outside of the right foot, so when they are grown I can tell the mating they are from. The hen on eggs from pen 2 hatched five chicks. I broke the rest of the eggs and found them sterile. The five chicks were toe-marked on the outside of the left foot. When the chicks were well dried off and strong enough to remove from the nest, I took them out and rubbed camphorated oil on their heads. I repeated this within ten days and a number of times throughout their growing period.

When the eggs from pen 2 did not hatch well, I tested other eggs that I had under hens from this pen and found very few fertile ones, so I at once removed the cockerel from this pen and placed another one with these hens and after two weeks I had eggs from this pen from which I got excellent hatches.



White Orpington Chicks, two weeks old, average weight 8 ounces. See second prize article "Care and Management of a Farm Flock."

At about this time I sent to one of the leading White Orpington breeders for a sitting of eggs and placed them under one of my best sitters. I was rewarded by a hatch of seven good chicks. These I toe-marked on the inside of the left foot.

My chicks are not fed until thirty-six hours old and they are then given hard boiled eggs mixed with bread crumbs and steel-cut oat meal. Sweet milk is given the little chicks to drink until the weather gets warm, when sour milk is used exclusively, but never the two together. After one week old, the chicks are fed a good reliable chick food. When three weeks old, they are gradually put on a developing food con-



White Orpington Chicks, four weeks old, average weight 1 pound. See second prize article "Care and Management of a Farm Flock."

sisting of wheat, cracked corn and other small grains. A dry mash consisting of middlings, cornmeal, alfalfa meal, ground oats, and a little salt is kept in hoppers so they can have access to it at all times. They also have fresh water, grit and charcoal, so they can get it when they want it.

The chicks were kept away from the main flocks and allowed good runs in flocks of about fifty of nearly the same age, after being weaned by the hens. They always had plenty of shade, and for this purpose I prefer a cornfield, but where that is not convenient, small fruit trees, or artichokes make good substitutes.

When the pullets and cockerels had grown to sufficient size to be able to readily determine their sex, I separated them and fed the male birds everything I could get them to eat, but the pullets more sparingly, just enough to keep them growing nicely.

I find the earlier I can get them to leave their coops and go on a roost the better it is for them. I aim to give them plenty of fresh air from the time they are hatched, and keep the coops and houses as clean as possible. One of the things most to be dreaded in hen hatched chicks is lice, and it is necessary to be constantly on the outlook for them. I use on the roosts a mixture of ten parts kerosene, one part creolin, and bore holes half way through the roosts six inches apart, pouring the mixture in the holes just before the birds go to roost. I find it rids the body of lice in roosting size fowls, and frees the roost of mites.

After all the chicks were housed, I went around September first to the different colonies, counting them and found that only a small percentage were taken by hawks or varments of any kind. The smallest of the entire flock will weigh two pounds apiece, there being two hundred and seventy-five on the roosts. Have sold one hundred and ten for broilers, also fourteen pullets and four cockerels for breeders, making the number raised five hundred and seven birds.

The following is the table of weights of the flock entered in the chick growing contest:

One day old, 2 ounces.
Two weeks old, 8 ounces.
Four weeks old, 1 pound.
Eight weeks old, 2 pounds.
Three months old, 3¾ pounds.

Poultryman's Practical Dispensatory

Chapter VI.—Value of Acids and Acids of Value—Protests Against Continual or Unnecessary "Drugging"

By J. H. Petherbridge



IN developing this series, it seemed eminently proper that I should first take up Elements, so my first three chapters were devoted to Iron, Sulphur, Potash, Soda, Magnesia, Lime and their combinations in so far as they touched the poultry business. Next in the natural order would have been the Acids, to have been consistent to my design to advance from the elementary to the complex, from simples to combinations. Seemingly, I switched off to a branch road in chapters IV and V by interpolating Coal Tar and Petroleum products. In reality these were only flag stations on the main line, for there exists a close analogy between the products and constituent parts of Coal, Wood and Petroleum from the chemical view-point. Not only their medicinal values, but their menaces as well, as exhibited in their more or less "irritating" qualities, are due to their several acid contents.

Of the more than 500 acids recognized by chemistry and pharmacy, but very few are of utility to poultrymen, save as exhibited in their "salts" or as one or more of the constituents of the natural or artificial "ration" gathered by or provided for the birds.

And right here I want to go on record that, although I write of drugs, I protest against continual or unnecessary "drugging." If your flock is well-bred, well-fed, well-watered, well-housed—given room, range and kindly treatment—you *should* have but rare occasion for *any* drug or remedy.

"Prevention is better than Cure," but mark this—intelligent and worth-while prevention lies in the observance of the preceding paragraph and not in the drugging or in the inoculation of perfectly well and normal chicks or chickens.

Some day we may have proved and efficient antitoxines with which to render immune our flocks from the more serious disorders, but the day is not yet. "The morning steals upon the night, melting the darkness," but it is yet too dark to use the inoculating needle.

Drugs are only a necessary evil, *as drugs*: it is far better for the vitality and productiveness of your flock that they obtain the minerals, salts and acids their economy demands from Nature's laboratory in field, forest and stream than from the druggist's shelves or proprietary preparations.

And when "shut-in," keep in mind that not only must the grain, grit, shell, meat and GREENS be ample in quantity, good in quality, but of sufficient VARIETY to furnish ALL the elements required to maintain health and vigor. Although the poultryman in his work and attendance has need of but few of the many Acids, it is wise for him to know something



White Orpington Chicks, eight weeks old, average weight 2 pounds. See second prize article, "Care and Management of a Farm Flock."



White Orpington Chicks, three months old, average weight 3¾ pounds. See second prize article "Care and Management of a Farm Flock."

of those with which we are all more or less familiar and those most frequently referred to in the poultry press.

Nitric (aqua fortis), *Sulphuric* (oil of vitriol) and *Hydrochloric* (muriatic) Acids.—Of supreme importance and inconceivable consumption in the Arts and manufacturing and in their dilutions frequently employed by physicians. Their administration to poultry, though not without value in skilled hands and faultless diagnosis, is not recommended to the laity.

Arsenous Acid.—Better known as arsenic; usually prescribed in liquid form, as Fowler's solution. I have occasionally noted its recommendation in poultry journals as a tonic and blood purifier. It is no more efficient than the Tincture of Iron, but many times as dangerous, for in order to be beneficial it must be continued in gradually increasing doses for some weeks and yet being culminative in its action there comes a time when another dose would prove fatal.

Boric Acid.—Fifteen grains dissolved in an ounce of water makes an excellent wash for cleaning out the mouth and



Made from retouched photo

nostrils of fowl afflicted with catarrhal accumulations. I referred to this acid under Soda, and stated that its therapeutic value was identical with Borax.

Carbolic Acid.—See Chapter IV.

Salicylic Acid.—Esteemed and much employed in rheumatic troubles; have seen it recommended for birds afflicted with rheumatism, but the necessary length of treatment and the cost of the drug militates against its use in the poultry yard. If your fowl exhibit symptoms of rheumatism and you cannot discover and correct the conditions responsible for it, you will find it more *profitable* to *eat* them than *treat* them with Salicylic acid.

Then there exists a group of organic or vegetable acids that doubtless at times the fowl's organism demands a modicum of, that we can best administer by giving them the run of the orchard and garden or throwing them the waste from our tables of the following:

Grapes and pineapples; containing Tartaric, Tannic and Gallic acids. Apples, pears, peaches, apricots, gooseberries and currants will supply Malic acid, a near relative of tartaric. Lemons, limes, oranges and citron offer them Citric acid. Strawberries, raspberries and cherries—both malic and citric.

It would be absurd for me to recommend the feeding of above fruits at regular intervals and too often offering of them to the penned birds would be unwise, but I am satisfied that an occasional acid fruit or berry is not only relished, but craved by the confined birds.

It is easily demonstrated that fallen fruit and reachable berries form a portion of their ration on free range.

Phosphoric Acid.—Bone meal and granulated bone ad libitum and freshly ground, untainted green bone, *in moderation* afford the fowl this necessary product to growth and upkeep.

Acetic Acid.—Vinegar is an impure dilute acetic acid, produced by fermentation; its utility in domestic science is too well known for me to dwell upon. A teaspoonful added to the water in which you boil the tough old rooster or ancient hen will help to lessen the strain on your jaw muscles and teeth.

There is another "impure dilute acetic acid" produced, not by fermentation, but by the destructive distillation of the wood of the swamp pine of North and South Carolina, Georgia and Alabama, known as Pyroligneous acid or crude Creosote. As a preservative and insecticide it is employed by some poultrymen as an application to the interior woodwork of their roosting houses and colony coops. As an insecticide it has no advantage over crude carbolic acid and, in fact, much of the crude creosote in the market is crude carbolic. Pyroligneous acid is very rich in byproducts of value; it is the chief source of pure acetic acid, wood alcohol and acetone and from the latter is obtained chloroform, iodoform and sulphonal.

Wood Tar.—Also obtained in the destructive distillation above referred to, is a semi-fluid dark brown or black substance, strong, pungent odor and sharp taste, officially known as Pix Liquidate. It has considerable medicinal value, being valuable as a dressing in scaly skin diseases and much employed in combination with other oils and syrups as an expectorant in sub-acute and chronic bronchitis.

Visiting a poultryman friend one day last summer, in the course of our talk, he remarked: "I was much interested in what you wrote in the A. P. J. about the use and abuse of Permanganate of Potash. I won't say but what you and Dr. Woods are right, but if you are right, there are many, many others that are wrong. You know I've a healthy bunch of birds, but during the late Fall rains a few invariably 'catch cold' and I have never given them anything but Permanganate; give them a house to themselves and dissolve the P. P. in their drinking water until it is rich wine color. It cures 'em. Now the question is, if you have me throw away this potash, what can you offer me to take its place?"

My reply was that I was inclined to think his naturally healthy birds, isolated and confined from the inclement weather in a dry, roomy, sunshiny (when the sun did shine), and well ventilated house, would have quickly recovered from their colds without any *medicated* water, but if in the future to ease his mind of the feeling that he ought *to give them something* and cater to his desire to give that something *in the water* to save the labor of individual treatment, I would recommend that he make and give them "tar water" on alternate days, after a purgative dose of Epsom Salts in their mash the first day of isolation and confinement.

And in case any of my readers care to try the substitution, I will state that Tar water is made by adding one pint of tar to four pints of water and shaking vigorously during twenty-four hours. Pour off the liquid and strain or filter. For poultry use to each pint of the tar water you may add four pints of pure water. Its medical properties are similar to turpentine, but very much less irritant. It also acts as a stimulant and diuretic. For acute and even chronic catarrhal conditions it is an excellent home poultry remedy. Water takes up from the tar in addition to other constituents, a small portion of creosote and *Acetic Acid,* hence I hope this personal "note" is not out of harmony with this chapter.

Lactic Acid.—An organic acid usually obtained by subjecting milk or grape sugar to lactic fermentation. It is formed whenever sugar in solution is placed in contact with

an alkaline or earthy carbonate in presence of a special ferment, as for example the casein of milk or cheese; hence it is evolved in the souring of milk, so in the feeding of sour milk, curd or buttermilk to the flock, the poultryman is availing himself of the cheapest, most convenient and desirable form in which to administer lactic acid.

True it is that certain manufacturing chemists offer in tablet form cultures of imported bacterium bulgaricum, which dissolved in sweet milk produce a milk of much higher acidity than our domestic lactic acid bacteria, but the greater acidity is more than counterbalanced by the increased cost, prohibitive of profit if you are employing soured milk for its nutritive as well as remedial value.

For two or three years past the feeding of milk, sweet, sour, whey, curd and buttermilk has occupied much space in the poultry press and many extravagant claims have been filed to the effect that, in addition to taking the place of meat in the ration, it is a cure and preventive of the greatly dreaded and much advertised White Diarrhoea in baby chicks.

Please don't misunderstand me,—the predominance of proof and testimony as to the value of milk in the ration is too great for me to dispute, even had I the desire to do so, which I have not. I cannot reconcile it with one of my pet theories that in "feeding" we should supply as far as possible to the domesticated birds the varied ration they secure in a state of nature. And we must admit that Milk is not a *natural food* for our feathered friends, unless the lark, "whose notes do beat the vaulty heavens" secures it from the Milky Way.

But when a theory runs counter to universal experience, there is evidently a screw loose in that theory somewhere. Although for poultry, milk is not *a natural food,* the fact that they accept it, thrive upon it and maintain their health with its consumption, demonstrates that we are violating no law of nature in making milk a part of their ration. And then there is that other theory apparently upheld by what we know of the process of digestion in fowls,—that *soured milk only* should be fed for the reason that in the souring of the milk "the lactic acid bacteria change part of the milk sugar to glucose, the *only* form in which sugar can be absorbed by the fowl." But the fact that many poultrymen prefer and secure good results in the feeding of *sweet* milk, evidences, not that said poultrymen are deceived, but that we have more to learn of the physiology of digestion.

If I could produce or procure milk as cheaply as many of my readers, I would certainly keep it in some form before my birds and it would not greatly concern me whether it was sweet or sour, so long as it was clean and free from mold and objectionable odor, but I would not ask it to take the place of meat or expect it to reduce my grain bills. It is my belief, based on what little I know of the limitations and powers of a fowl's digestion,—that Milk, sweet or sour, is not a proper *fluid* with which to *daily* fill *a drinking fountain,* nor the whey a desirable drink for baby chicks.

It is from the whey we obtain the sugar of milk; it is too great a tax on the digestive functions of the baby chick; it is more likely to inaugurate bowel trouble than correct a tendency thereto.

Lactic acid coagulates albumen and dissolves freely the phosphate of lime; hence it aids digestion and makes available the lime necessary to growth. Lactic acid is a natural constituent of the gastric juice, so it follows that the action of sour milk on the digestive functions and intestinal disorders *must be favorable.* But though "favorable" we have no right to assume that it is infallible, either as a cure or preventive. And some of its recommended employment is a travesty on common sense, a burlesque that at the drop of the curtain has merged into a tragedy. Listen to this from a New York farm journal of wide circulation:

"At ——— Farm all chicks are on range and growing fast and strong, some of the pullets laying. Of the 5,013 chicks put in the brooders, total loss to date is 1,181 chicks, or 23%. All this *goes to prove* the great value of *filling the chicks' crops with sour skim milk (lactic acid) as soon as they are dry enough to take from the incubator. It also proves* that sour skimmed milk given at this time will overcome the disease (white diarrhoea) and make it possible to raise a high percentage of chicks *hatched from eggs laid by infected hens.* One dose at this time has more value as a preventive and cure than all the sour milk fed as soon as the chicks are able to drink it themselves." "We fill the crops of the newly hatched chicks with a pen or medicine dropper filled with sour milk and *squirt it* down their throats."

And only 23% succumbed! Those "infected" hens certainly handed down some vigor along with the germs! I wonder how they knew the hens were "infected" and if they *knew* why they incubated their eggs?

Bacillary White Diarrhoea is comparatively new among the *recognized* ills that afflict chickendom; in my humble opinion, it is fortunately likewise RARE. Like its dread partner in crime, Diphtheritic Roup, it is held responsible for losses and conditions of ill-health that are due to minor, preventable and curable disorders.

It is in the interest of the great poultry industry that the individual poultryman ceases to be continually on the *lookout* for the appearance of these fatal germ diseases, but constantly and intelligently on the *look-in* for conditions of housing, sanitation and improper diet that are responsible for the catarrhal colds of the adult birds and the abnormal droppings of the baby chicks that he mistakenly diagnoses as Roup or White Diarrhoea.



A Webster Farm, New York, champion strain White Plymouth Rock cock. This line has been a prominent winner for years at New York, Philadelphia, Cleveland, Washington, Williamsport, etc. The quality of this line commends them to all. Made from retouched photo.

The State Experimental Stations are trying for, and doubtless in good time will secure, a "strangle-holt" on these obnoxious germs, and when they do, we will all doubtless be invited to the obsequies. And finally, brethren, in bringing this article to a close, just a word of caution in the feeding of sour milk:

Fermenting sour milk is capable of forming an intoxicating drink; keep your receptacles clean and don't use tomorrow what was left over from today. And if you are of those who keep the pink tea of Permanganate before the flock, cut it out the days you feed sour milk, for the Lactic acid of sour milk produces in contact with the Permanganate of Potash, acetic aldehyde, a powerful and poisonous alcohol.

Practical Fresh Air Houses for Poultry

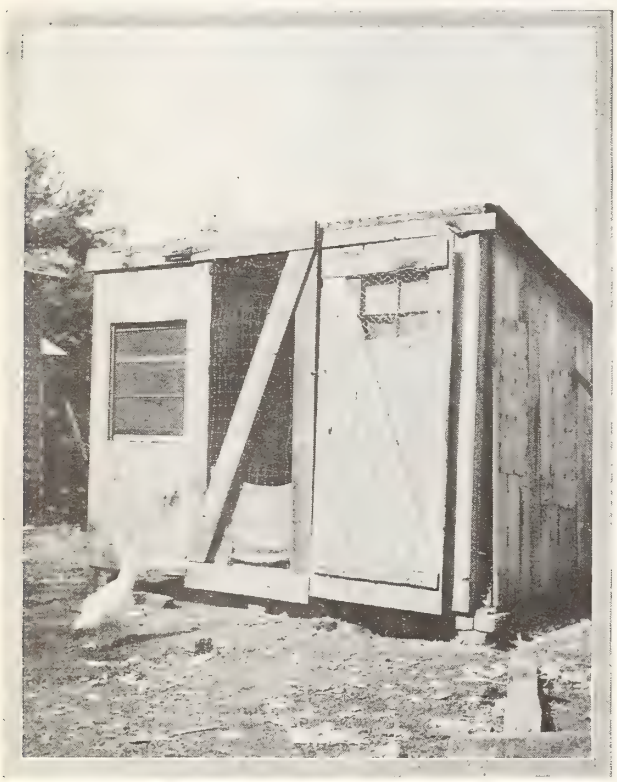
Adapting Open Front Houses to Special Requirements of Location

By Maurice H. Decker, La Porte, Ind.



ONE of the best applications of the oft-repeated principle of poultry keeping that one's equipment must grow with the flock and extent of operations is found on the plant of Mr. Stroke, one of my neighbors. Too frequently the poultry plant of the beginner is laid out in advance, made to order as it were, rather than built as required, and added to from time to time, as the need of the business indicates.

Mr. Stroke has shown considerable ingenuity in keeping the cost of his houses down to the lowest item and in having every inch of space in use. He is a baker by trade and started his flock of White Leghorns at his present location a little less than three years ago with the determination of building up a first class bunch of layers on the sound basis of having them strictly pay their way. His difficulties in the



The original 8x8 ft. brooder house. See article "Pratical Fresh Air Houses for Poultry."

housing question were augmented by the fact of his occupying rented ground, which forbade any attempt of permanent building.

His first structure was an 8 x 8 colony house, made portable by being built in sections, which housed two universal hovers in which his flock of layers were reared. In the fall it was added to, to make a laying house 8 x 40 ft. in size, in which 125 pullets were successfully wintered.

Mr. Stroke is an enthusiastic believer in fresh air and the Dr. Woods' type of house, and this laying house was intended to form the 8 ft. front section of the 20 x 40 ft. Woods' building which he had originally in mind as a goal. This long narrow house was very low in head room, and to this condition, along with the facilities for ample ventilation, Mr. Stroke attributes his remarkable freedom from colds in the flock. Last spring a house 12 x 20 ft. was erected to hold the hover and in mid-summer doubled in length for roosting quarters for the youngsters. This building was built with the monitor sash near the top and was so planned to form the rear section of the Woods' fresh-air house shown in the accompanying photograph, which pictures the present progress of his building operations. This fall all that was necessary was to take



8x40 ft. house turned around and placed against the 12x40 ft. building. Also showing a flock of fine layers with their owner. See article "Practical Fresh-Air Houses for Poultry."

down the narrow house and reset it up to the other, and the trick was done. Large screws are used to hold the house sections together, and the roof is made removable and portable by being held down at the seams by wooden strips in place of nails. Next year the brooding will be done in a new 10 x 20 ft. section built onto the laying house, and in the fall the partition will be removed and the pullets given the run of the entire building.

Shed Roof Laying House.

Last season I wished to build one of the simple shed roof laying houses of medium width with all the fresh-air accom-



A Practical Fresh-Air Shed Roof Laying House. See article "Practical Fresh-Air Houses for Poultry."

modations of the regular open-front house, and, after thinking the matter over, put up the building shown in the accompanying photograph.

The dimensions are 60 x 16 ft., height, rear 5½ ft., front 7½ ft., measurement taken inside of building from floor to

roof. Four front sash are 1½ x 6 ft., sash on east end 2½ x 5½ ft. Screened openings are each 3 x 15 ft. In addition to the two front doors, there is one at each end, all 3 x 6½ ft., which makes a very convenient house for cleaning and affords extra ventilation in summer. In the fall burlap curtains are placed over the screened openings. They are tacked to the bottom of opening and fastened to a pole at the top, which is raised or lowered by cords. In cold weather the curtains are pulled up to within one foot of the top, which leaves an open space one foot wide protected by the drop roof in front. Only in driving snow storms, when fine snow sifts in even the tiniest of cracks and chinks, are the curtains completely closed.

The floor is raised one foot above the outside ground and at present is of tamped gravel, but will be cement next year. The house is fine and dry inside. The interior is divided into two rooms of equal size by a light partition into which is built a large self-feeding hopper, capable of holding 1,500 lbs. of dry mash, and 500 lbs. each of grit, shell and beef-scrap. Both pens feed from this hopper and it is furnished with covers over the feeding troughs to control any sudden aversion to exercise on the part of the hens, and to prevent waste from mice. Automatic feeders for whole grains hang from the girder which supports the rafter in the center. I use droppings boards at present, but intend to do away with them in the near future. I figure that the work saved by their absence more than over-balances the extra birds the house will accommodate when they are present.

Back Lot Fancier's Plan Works Well

Though Limited to 20 by 20 Feet is Enabled to Keep up With the Fancy and Enjoy Breeding Pure Bred Fowls

By L. M. Herrington, M. D.



SOME one has said that God never made a man so powerful physically that he did not give to a weaker an inventive genius that enabled him to devise some instrument of warefare to equalize their respective strength. So the poultry raiser with but a few square feet of space must think of ways to raise larger numbers of chicks that he may eventually have more winners for the show room. I note with interest a suggestion in a recent issue that one fancier may raise for another at a dollar per head.

When a man asks me the price of a sitting of S. C. White Leghorn eggs, I give them to him and tell him I want the choice of the best bird (when mature) from the eggs.

About the time when I wish chicks hatched I place an ad in two Pittsburgh dailies, stating that I want a few fancier's wives or expert chicken raisers to take eggs from exhibition stock to raise chicks on the shares. I sift out the many answers and send to each the terms on which I will furnish eggs. While I am not exempt from the annoyances of the average poultryman, I make due allowance for losses of eggs from bad incubation by hens or incubators and from losses due to rats, cats, weasels and other marauding animals, also from infertile eggs.

Two propositions are made to those taking the eggs on shares. First, that I get my choice of the flock at the rate of one bird for each fifteen eggs sent out, or second, that I get one chicken from every five raised. The first proposition encourages care and an effort to raise all that are hatched, the second encourages effort where hatches are poor.

If two hundred chickens are raised in all, I get forty of the best ones. I have them raised near enough to me that I can go out and select my share of them.

Where is there a poultryman that is perfect? One year I hatched eighty chicks and reared seventy-nine of them, but next year my percentage of loss was about sixty. The average man is honest, so is he watchful. One man with poor hatches awaited my complaint. When it did not arrive and I expressed confidence in his integrity, he said: "I placed ten of your eggs and five of mine under each hen. My five hatched and only part of yours did." Not every one could be so ready.

"Some people will secrete or sell the best ones," I hear you say. Maybe, but I have the first one to find yet. I sent one man a pen of birds four years ago that won first prize at Wheeling and a third prize at Pittsburgh the same year, awarded by Judge Denny. I got twenty-five birds from him in October in addition to those sent him. He has line bred those, in a way, since I have lent him a male bird occasionally. Only a few weeks ago that man sold a cock, a hen and a pullet, at five dollars each, that won a first each at a local show.

In Col. Russell H. Conwell's lecture, "The Silver Crown, or Born a King," he speaks of a land in which the king was to be selected from among those whose life work was done for humanity—for his fellows. At last they selected a man who had spent his life building dams just below the frost line in the mountains of his native country and conserved the water that it might flow gradually into the valley below, where it warded off drought and famine.

The man who has given the poor fancier the chance to raise good stock with little or no outlay of money, while prices range from five to twenty dollars a sitting for fancy eggs with frequently nothing more than a few scrubs from such, may not have been born a king, but he does more for humanity than czars, kings and emperors that place their



First cockerel, great Chicago Show, January, 1914. Just as the camera snapped, the bird moved his head. The only retouching done was to brighten up the blurred appearance. Bred and owned by Fred B. Keifer, Highland Farm, Marshall, Illinois.

people in battle array to shoot down men against whom they have no enmity whatever.

Following this plan, I sell few if any eggs for hatching, but manage to keep even, though limited to very small quarters for raising chicks, and greatly enjoy the breeding of good birds. This plan enables the back lot breeder to compete with the man owning acres, and gives the poor breeder a chance to get thoroughbred stock of fine quality at slight expense, for if the fancier giving out eggs on such a basis, does not send his best, he cannot expect good birds in return.

Try this plan, gentlemen, and you will greatly help the industry thereby, in raising more and better poultry, and incidentally bringing to light some poultry fanciers that otherwise might never have had an opportunity to show their ability along this line.

Mating Cornish Indians for Best Results

Breeders Against Double Mating of Dark Cornish—The Law of Balancing Follows Out Closely In This Breed

By John W. Ward, Jr., Pennington, N. J.



THE leading breeders of both England and America, the word America taking in both the United States and Canada, are strongly against the double mating of Dark Cornish—that is, making up one mating to produce exhibition males and another to produce exhibition females.

It may be possible to get better individual birds at first by a system of double mating, using big, well developed hens, whose "double lacing" or penciling and lacing, is so broad that the mahogany or bay is almost crowded out of the feather in every section of the body; and mating with these females a male that shows very little red, the less the better, in the saddle, hackle, breast, and having feathers in all sections whose stems are black, or slate color rather than red or brown in color, for exhibition males. Choose good type hens with a more "open double lacing" (the double lacing being fine instead of broad), on a good rich ground color in which the predominating bay can easily be seen even from a distance in looking at the bird, mate with these females a male directly the opposite from the specimen described above, showing rich red in saddle, wing bows, and a rich red



Made from retouched photo

stripe in hackle, the breast alone being a solid color of deep metallic green, almost black. I believe that a male with a "splashed breast" will produce the same characteristics in his "get," both male and female; and a good red stem to feathers in all sections, especially in breast and back, is necessary for exhibition females. This is the system employed to double mate Cornish, but as one leading English breeder said to me while in England a little over a year ago, "For new blood give me a bird, every time, either male or female, from a uniform flock, a flock single mated for results in both sexes at one shot," and I believe every leading breeder of Dark Cornish on both sides of the Atlantic agrees with him today.

Type stands first in the mating of Dark Cornish of the present day, for Cornish type is certainly different from any other breed type and so a distinct trade mark. Having type, select another characteristic of our breed, hardness of feather, and as a key to the whole bird examine the feathers on the saddle, for if these are "hard," short, it is safe to say the



First prize S. C. White Orpington cock, 1913, bred and owned by Woolery Farm, Bloomington, Ind. This wonderful cock won first at National Club meet, all the best in the land competing.
Made from retouched photo

bird is "hard" all over. Having these two things in a bird we may now look to color.

The ideal is hard to get in any breed, or sex of a breed, but my ideal of what a Cornish female should look like reads like this; Hackle, a deep rich greenish black, other feathers in all parts of body, with the exception of main tail feathers and fluff, both of which should be black, a deep rich mahogany red for ground color, each feather laced and penciled once within the lacing about equally dividing the ground color, with a narrow line of greenish black following the contour of web of feather. Stems of feathers next under color, red.

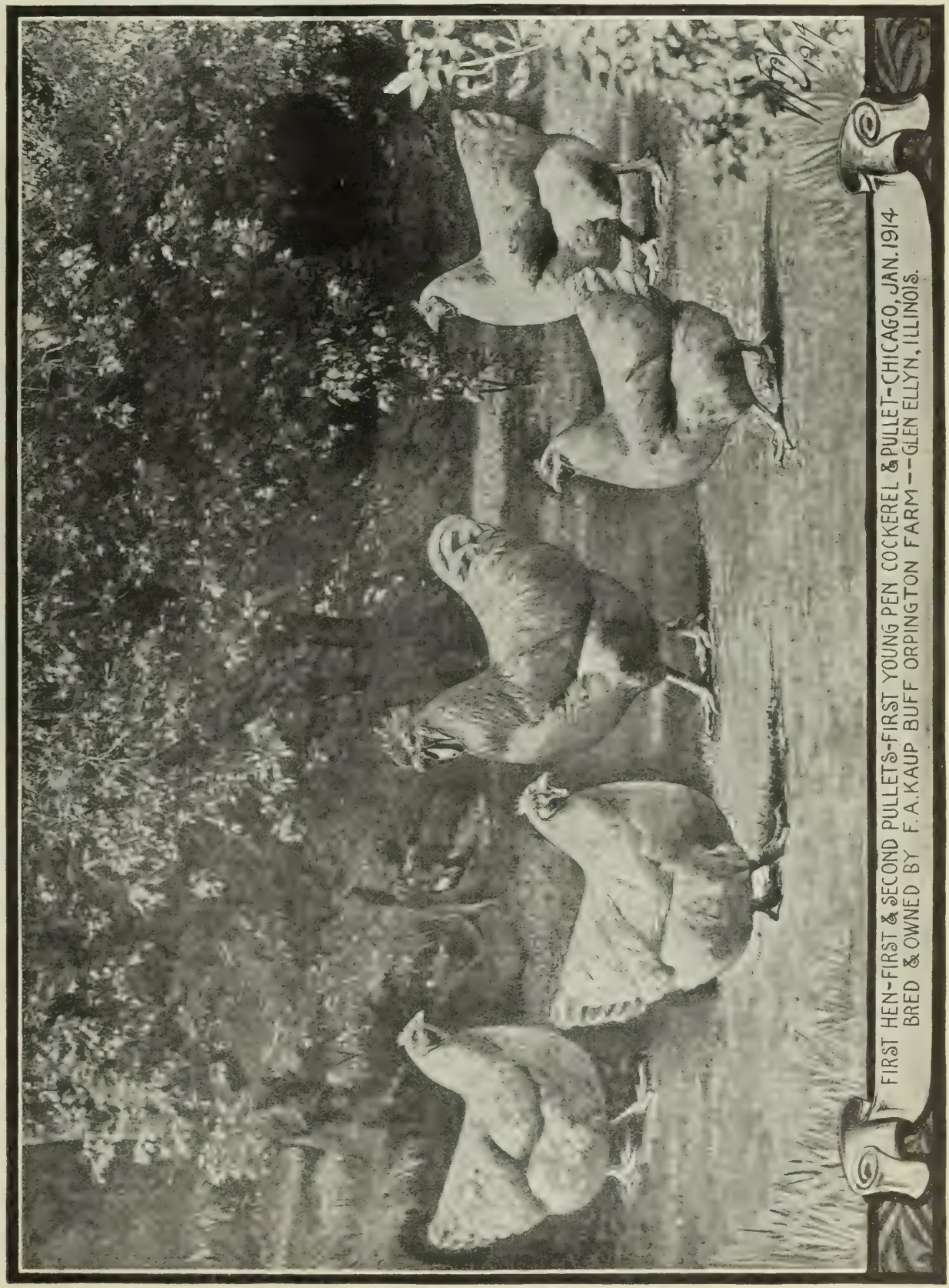
For an ideal male I would choose a bird with a good green hackle, each feather bearing a rich red shaft, taking care that the red does not gain a hold on the tip of feather. Back a good solid greenish black with a rich red showing on saddle. Tail, small, of rich greenish black color, free from any purple barring. Wings, rich green in color with some red showing on wing bows, and flight feathers and secondaries edged with bay, the secondaries having one-third of the lower web edged with bay. Breast, solid color, rich metallic greenish black. Stems of feathers, next to under color in all sections, red. Specimens like the above will give exhibition cockerels and pullets in a single mating.

The law of balancing follows out very closely in Dark Cor-

nish. I do not claim that you can take one extreme and mate with another for results, but you can take a female without some of the qualities mentioned above and mate with a male that has some of these qualities in an exaggerated form and expect fair results. Always avoid a pale or faded ground color in females and avoid very much purple in males, though a good many good Cornish males have it.

Study your matings as you would a book, for though we may read and gain knowledge from the pen of others, there is absolutely nothing like practical experience.

As a practical fowl the Cornish are steadily gaining in popularity, having made exceptional records as layers in leading egg laying contests. The egg is usually brown in color, though in some instances very light colored. The egg is of good size, averaging in weight about twenty-four ounces to the dozen. The pullets begin laying at about six months.



Made from retouched photos.

Mendelian Inheritance and Pedigree

The Manner in Which Nearly All Characters Are Transmitted—The Use of Pair Matings in Establishing a Strain

By Chas. A. Simmonds, Camp Point, Ill.



MENDEL interpreters and experimenters have discovered many laws of heredity the knowledge of which is of value to the poultry breeder. Probably the most valuable discovery is that of the purity of the germ cells or male and female gametes that unite to make the complete germ of the fertile egg. Thus a fowl may be in blood ½ White Dorking and ½ Clube type Black Langshan but everyone of its germ cells will be pure in its characters, pure black or pure white, tall or short, rose comb or single comb but will not possess any two of such opposite characters (however, it may possess a character of blackness and also a "repressing force" which will repress the black pigment and make the plumage of the fowl white).

Of two opposite characters such as black and white, tall and short, etc., one is dominant and the other recessive. Thus if a pure black bird is crossed with a pure white one, all the progeny of the mating will be black in color because black is dominant over white. If the progeny of this pair is mated together, brother and sister, they will produce progeny one-fourth of which will be pure white in color and blood, another one-fourth will be pure black in color and in blood, but the balance (one-half) will be pure black in color, but in blood one-half black and one-half white the same as their parents. This segregation is explained by the law of chance, i.e., there is a chance that a white cell (one possessing the character which produces white plumage on the resulting bird) will meet a white cell and there is also a chance that a black cell will meet a black cell, but there is twice the chance that a white cell will unite with a black cell or vice versa.

This is the manner in which nearly all characters are transmitted, but there are some characters the transmission of which is limited to sex. Among these are fecundity, which is transmitted from mother to son and from father to daughter and barring in Barred Rocks, which is transmitted from a female to both sexes of her progeny, but from a male only to his sons.

It seems there are a few who are not willing to accept Dr. Pearl's theory in regard to the transmission of fecundity. We must remember, however, that the majority of poultrymen do not use trap-nests or breed for egg-production and if they did they are not scientists enough to analyze the results of their own experiments. The writers who have condemned Dr. Pearl's statements have used much ridicule and little argument. Personally, I have trap-nested for the past eight years and the results of my pedigree breeding prove to me that a heavy laying hen invariably transmits her fecundity through her sons who in turn transmit it to their daughters. Of course, experiments in regard to breeding for egg-production must be extensive to secure accurate results. There are many things besides the inheritance of fecundity which would influence the egg record of a hen such as constitutional vigor, tendency to broodiness, feed and care, etc.

The law of transmission of barring in Barred Rocks was discovered by crossing Barred Rocks with other breeds. It was found that when a Barred Rock male was mated to females of a breed possessing no barred blood the progeny would generally be barred males and black females, but the opposite cross or Barred Rock females mated to a male of foreign breed produced barred birds in both sexes.

Now, in conducting this and similar experiments, it is very necessary that the experimenter should know enough of the science of the subject to be able to rightly analyze the results of his experiments. For instance, a Barred Rock male, if mated to White Rock or Rhode Island Red females, will produce barred progeny in both sexes, seemingly disproving the theory. However, Rhode Island Reds (as well as several other of our American varieties) contain a small amount of Barred Rock blood which would, of course, become strongly assertive if crossed with pure Barred Rocks. The White Rock is a sport from the barred variety and so, of course, when crossed with the parent bird would be expected to produce nothing but barred progeny in both sexes.

Professor Spillman, who discovered this law, explains it by stating that the natural sex in Barred Rocks is maleness, and thus a sex character in the germ cell produces a female. And further that a sex character and a bar character are never found in one and the same germ cell and the male has the sole power to transmit sex. Characters, the transmission of which is limited to sex, are found in other animals and in the human race. I remember when exhibiting at one of my first shows (about 10 years ago) on asking the judge (who was then and is now at the head of the profession) some questions on mating the breed I had on exhibition. I was told, among other things, that mating was more or less of a gamble among even the best of breeders. This was very true of mating as generally practiced then, but the past ten years have seen a wonderful advance in our knowledge of the laws of heredity.



Made from retouched photo

There are several different methods of mating and pedigreeing to produce exhibition birds in practical use. The method most commonly used is to take the best male one can procure and mate him with as many females as can be obtained (up to the limit of 10 to 15, according to breed) that are of general high quality and strong in points wherein the male is weak. The eggs from each pen are set separately and the chicks marked so the breeder may keep a pen pedigree, knowing the sire but not the dam of each chick. With this system mating is indeed "more or less of a gamble," especially so a few years after introducing new blood into the strain.

A few breeders who find it inconvenient to trap-nest, but realize the value of accurate pedigrees, are using the single

or pair mating system, mating only one female to a male or penning the females singly and changing the males from pen to pen. A large number of our most successful breeders have used pair matings in founding their strains and in introducing new blood, using other matings of several closely related females (such as a pen of pullets raised from a hen in one of the single pens) for their main crop of chicks. While this system has many advantages, it would be expensive to carry on on a large scale and has many limitations so far as securing the best results is concerned.

By far the best method is to mate full pens of 10 to 15 females with each male and use trap nests. The advantages of trap nests may be summed up in the following:

1. By retaining the best layers for breeders the following



First prize Barred Plymouth Rock cockerel at Indianapolis, February, 1914, 36 birds in class. He also won championship and color special in same show. Bred and owned by W. H. Goddard, 704 Riverside Ave., Muncie, Ind. Made from retouched photo.

season and selecting males bred from females who have made a good "long distance" (not less than 365 days and better several years) egg record, the breeder can greatly increase the average egg-production of his flock.

2. You can keep a pedigree record of the chicks raised from your trap-nested matings which will be very valuable, not only in making your matings in future years, but from an educational standpoint as well as affording first-hand knowledge of the laws of heredity. To be most valuable in this way the pedigree work should be accurate and extensive and accompanied with written descriptions, photographs and egg records of all individuals bred from.

3. By working along Mendel's laws you learn which birds are pure in their characters, thus ascertaining the true breeding value of each individual.

4. By handling each female every time she lays you become familiar with the fancy points, type, etc., of each individual female and note instantly any change in appearance, as over-fat or out of condition in any way.

5. Liberal house room and shaded grass covered yards may be supplied at much less expense per bird than where the single or small mating system is used.

6. By mating females of several different strains with an extra fine male you can cross and recross his progeny in succeeding generations, thus concentrating his blood in the strain without close inbreeding.

7. As only one hen can enter the nest at a time, all danger of valuable eggs being broken by too many hens crowding on the same nest or by hens fighting on the nests is eliminated.

8. As the pens are visited every 2 hours to release any hens that have laid, and gather and mark their eggs, all danger of eggs being chilled in cold weather is avoided.

In hatching the eggs laid by the trap-nested hens it is necessary to use broody hens or incubators having pedigree trays or frames to use over the regular trays to confine the chicks hatched from each hen's eggs in a separate lot until removed from the machine and marked. For marking the chicks there are several devices. Most everyone is familiar with the poultry punches for marking chicks by punching holes in the webs of their feet. With these punches 16 different lots of chicks may be identified. By making slits (using scissors) instead of round holes, the number is increased to 31 and by combining these two marks a large number of different lots may be separately identified. A somewhat more expensive but more convenient system is to band all breeding birds with colored bands, giving each pen a separate color. Then, in marking the chicks, use the colored celluloid bands corresponding to the color of the pen from which they were hatched and the poultry punch marks to identify the progeny of each individual hen in the pen. The advantage of this system lies in quick identification and in being able to compare the quality of the chicks from the different pens without handling.

Every time I write an article on breeding, I receive a number of inquiries asking for charts and systems that will show how to produce and improve a strain of prize-winners. Impossible! There never were two birds produced that were exactly alike



First cock Chicago Coliseum show, 1913. This bird has wonderful type and carriage, with grand tail finishings. Bred and owned by Robt. D. Parmenter, Knoxville, Ill. Made from retouched photo.

or that bred exactly alike. My advice to the beginner is study your birds. Learn their individual points, their pedigrees, breeding tendencies, etc., and then when you finish mating this season's pens, begin thinking about how you are going to mate your pens for next season. If you will study your own birds and their pedigrees and breeding tendencies, you will soon learn to mate with much better results than anyone not familiar with the birds could get. Working along these lines you will soon come to learn the value of blood lines, but listen! the foundation of many a great strain was a bird of grand individual merit but inferior blood lines, simply a chance production that happened to fall into the hands of an expert breeder who knew how to use it to bring out its good points in his strain.

EDITORIAL

WE LEAD OTHERS FOLLOW

65,000 A. P. J.'s for December, 1914.

State of Illinois, County of Cook, ss.: G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the December, 1914, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 21st day of November, 1914.

(Seal) HENRY G. EISERT, Notary Public.

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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

Best Greetings for the Season.

ONCE again we approach the great holiday season and the end of the old year. The year 1914 has been one of many happenings out of the ordinary. This country has experienced an unusual period of business depression and financial stress, has weathered it safely and is now well on the way to better business than ever before and more prosperous times for everybody. With half the world at war across the seas, we have kept the peace and won much honor thereby.

We have many things to be thankful for and not the least among them should be our thankfulness for this great land of peace and plenty, safely situated between two vast oceans and inhabited by peace-loving, resourceful, enterprising, active, friendly people. It's a good land to live in, this America of ours.

The year 1914 has been a busy one for the staff of AMERICAN POULTRY JOURNAL. We have worked hard to give our readers a bigger, better and more useful magazine than ever before and many of our friends and readers have helped to inspire us to greater efforts by their kindly encouragement and appreciation. We have not done all the things we hoped to do and planned to do. Unusual circumstances, which we could not control, handicapped accomplishment somewhat. It has been generally considered a rather difficult year in the magazine business. Thanks to the excellent generalship of our editor-in-chief we have made of 1914 a very good season. Each member of the staff has done his best and feels the inspiration to strive to do still better in the year to come. We can safely promise you that the AMERICAN POULTRY JOURNAL for 1915 will be even more interesting, instructive, helpful and attractive than ever before. We shall all strive our level best to please our readers and to prove helpful to all who join the great and growing AMERICAN POULTRY JOURNAL family. While our magazine is made primarily for the benefit of our readers, our good patrons, the advertisers, can rest assured that we will endeavor to serve them to the best of our ability.

AMERICAN POULTRY JOURNAL gets out on time, you don't have to wait for it until the middle or the last of the month. Generally by the second or third day of the month we begin to get inquiries concerning matter published in the current issue, showing that the paper is delivered promptly and is as promptly read. It is important to the advertiser to be represented in a magazine that gets out on time, and it is doubly important to be represented in a magazine that *is read*. Judging from the editor's mail A. P. J. is read from cover to cover before the end of the first week in every month. If, as sometimes happens, once in a great while, our magazine happens to be a day or two late, we begin to receive letters from subscribers asking what is the matter. We always make an effort to get into the mails before the first of the month of issue, and we generally do. There are a good many of our exchanges that we do not get before the middle or last of the month of issue.

We shall continue to try to live up to our motto, "We Lead, Others Follow." We hope to give you more for your money in 1915 than has ever before been done by any poultry magazine, our own not excepted, and we shall be grateful for YOUR helpful encouragement. We want every reader to feel that he has a share in making AMERICAN POULTRY JOURNAL more helpful to readers everywhere, and we hope that each one of you will keep us informed concerning your experience and progress.

We take this opportunity to extend our thanks to all of our friends and patrons for so much helpful encouragement and inspiration during the past, and to wish you one and all a Very Merry Christmas and a Most Happy and Prosperous New Year.

Editorial and Business Staff of American Poultry Journal.

Prosperity Right on Deck.

THE calamity howler, the man who thinks that this country and the whole world is headed straight for the "demnition bow-wows," that hard times will prevail and that nothing will ever be right, is about the most depressing individual to have to listen to that we know of. Calamity howling is a disease, a combination of ingrowing grouch, a disordered liver and a pessimistic digestive system.

We have a few poultrymen friends who seem to have been bitten by the calamity bug. They can't see anything good in the present business outlook, they grudgingly admit that a *few* may perhaps get a little slice of better business, but they can't see how it will benefit them or *the many* and they feel sure that there is nothing but slump and depression ahead. When you meet that sort of calamity howler, don't argue. It is worse than useless. He isn't happy unless he is miserable. He don't want to be convinced that good times are close at hand. He gets a sort of morbid satisfaction out of being pessimistic and because misery likes company he would enjoy having you partake largely of his particular brand of gloom. Such folks are bound to prove depressing to the most ardent optimist at times, if he is obliged to listen to their tales of woe. Don't listen if you can help it. Don't believe that even the success of a few does not matter. If even a few succeed and prosper, others are bound to benefit by it. Every successful prosperous individual helps to benefit others. Prosperity is very "catching" if you don't try to immunize yourself with big inoculations of gloom.

Quite recently the *Boston Globe* said editorially: "One of the sure signs that the financial situation is clearing is the action of national banks in redeeming the emergency currency. The financial outlook is better every week."

There certainly is more confidence than ever in financial and business circles. The

outlook continues good. Mills and factories are getting big orders for a wide range of commodities, with urgent demand for prompt deliveries and certain cash payment. That means more work and more money for many. Export trade is increasing rapidly and we have only just made a beginning. The United States is selling more than it is buying and under such conditions the country just *has to be prosperous.* Bradstreet's reports: "Cheerfulness is more in evidence than at any time since the war began."

Production in this country needs boosting and development. We need to produce more. Business is improving and will continue to improve. Producers can't afford to indulge in watchful waiting; they should get busy. The men with plenty to sell should realize large profits. The demand for American goods of all kinds is increasing and it is only a short time when the demand will be greatly in excess of the supply. That will mean better prices and big profits for somebody. Why not work hard to get your share?

Yes, this does concern YOU, Friend Reader. Anything that betters business conditions is certain to benefit the poultryman. Poultry and eggs as important foodstuffs are, right at the present time, receiving world-wide recognition. The British government is urging all home and colonial poultry keepers to produce more poultry and eggs and is issuing special circulars telling how to feed for best results and how to utilize available foodstuffs now that certain grains are so largely used for other purposes. In the United States our agricultural stations are all urging poultry keepers everywhere to produce more and better poultry and more and better eggs.

Right in our own United States the demand for poultry and eggs is steadily increasing and the prices are improving. In our own immediate locality the demand for eggs at prices that are high even for the high price season, is unusually good. The crop seems to be short and buyers in early November complained that eggs were difficult to obtain at any price. The parcel post offers a good opportunity for the producer to sell direct to the consumer. Turkeys, chickens and eggs, with other farm produce, are bound to tax the carrying capacity of Uncle Sam's Post Office Department this holiday season. It is a good time to get out and hustle for your share of the getable business within a radius of one hundred miles of your home plant. If you get out and hustle you can sell all the poultry and eggs that you can produce and can get good prices. There isn't the slightest danger of overproduction. Even on our little experimental plant we can't begin to supply the demand that comes right to our door. We have more call for eggs and table poultry than we can furnish and the prices offered are much better than for several years past. Grain has eased up a bit in price and should soon be more nearly normal.

Boom and consume United States products. Get out and hustle for near home business and get your share of it. There is going to be a big demand for hatching eggs and breeding stock. The interest in poultry keeping was never greater and it never was a healthier and more wholesome interest than at the present time. A host of beginners are going to start with standard-bred stock, for the pleasure there is in keeping thoroughbred fowls, and also for the satisfaction and profit that comes from having a home flock, no matter how small, to help reduce the cost of living and supply more delicacies for the home table.

The daily newspapers will supply you with abundant proofs of prosperity, if you keep your digestion and liver in good working order. Remember that life depends upon the liver. Healthful optimism is good for you and good for your associates. Turn a deaf ear to the calamity howler and forget him. Good times are here and they are going to get better. Prosperity is right on deck!

Our Cover Design.

A COVER DESIGN to be of real value to a publication must, first of all, be attractive, again it must be appropriate for the business and for the season, and last, but not least, if it tells a story it becomes doubly effective. We believe our cover this month shows all these requirements to perfection and our readers will agree with us after studying it that it is the best one we have published to date.

The lady in the picture hails from a foreign country now at war and our Mr. Stahmer caught her in an admirable pose showing her in the act of catching the Christmas goose. We just wonder if this lady would have had a goose for her Christmas dinner if she had remained in her Fatherland.—[EDITOR.]

PEACE ON EARTH, GOOD WILL TOWARD MEN.

O'er the sea with the battle's roar
The cries of the wounded mingle
And crepe is hanging from many a door
And sad sound the sleigh bells jingle.
At the poor soldier's home the wolf stalks around
And he spares neither child nor mother
So let us rejoice, we are safe and sound
In the land where we love each other.
—L. A. S.

Play the Glad Game.

HAVE YOU ever read the story of "Polly Anna," the "Glad Book?" It is only a simple little story about a little girl, who, no matter what happened, always tried to find something to be glad about and to "play the glad game." The book will do you good even if you are a bit blase and inclined to scoff. There is a whole lot in suggestion and the little Polly Anna book suggests much gladness and some very uncommon reasons for "just being glad."

The editor's family read that book aloud and enjoyed it and many, many times since, when things did not run smoothly, the "glad game" has helped a lot. As Polly Anna says, it is really surprising how many things you can find to be glad about if you only try.

While getting this number of A. P. J. ready for the printer we have had abundant opportunity to put the "glad game" to the test and it sure has helped. Our boy came home from school with a severe case of diphtheria and we went promptly into quarantine and canceled some important visits to poultry plants. But we could be glad of a good nurse, a good physician and that prompt measures brought comfort and rapid improvement to the little patient. At the same time our spring was torn up to be made deeper on account of low water, and for two days we had no water except from a spring in our woods, but we were glad of that spring and that we were able to get that water even from that distance. We also had reason to be glad that after completing the new well, at a depth of only ten feet, that we have in it over seven feet of ice cold water from a bub-blind spring, which is now at the low water level of the dryest season for many years. Our helper, being green at the work and not having supervision because of the many other things we had to do, neglected some of our fowls and started a little trouble for us there, but we could be glad that we discovered it in time and that it was no worse. We can also be glad that in spite of many difficulties we managed to attend to our work for this magazine and avoided delay in going to press. We agree with Polly Anna that you *can* find things to be glad about if you try hard enough. Sometimes it may seem very difficult to find anything to be glad about, but you can if you *try* and make a real business of playing the glad game. Try it. You may think that you have come to scoff, when you first meet Polly Anna, but, if you are wholesomely human, you will be sure to remain to pray. Right now is a particularly good time for everybody to play the glad game, for this should be the glad season.

A Difference of Opinion.

EXHIBIT A.—An editorial from September AMERICAN POULTRY JOURNAL:

"OUR 46TH ANNIVERSARY IN JANUARY."

"In January AMERICAN POULTRY JOURNAL will celebrate its 46th birthday. January 1, 1915, marks the beginning of the 46th volume of the "oldest and best" poultry journal and we intend to make the occasion a memorable one.

"The January issue will be a special birthday edition printed on high grade heavy enamel book paper with a special cover to match. Artist Stahmer has prepared an attractive cover design in three colors to celebrate our anniversary.

"The editorial staff is preparing a number of special articles that will make this birthday issue one of unusual and long to be remembered interest. There will be a number of unusually interesting articles giving the experiences of men and women who know how and who are doing things in the poultry world. We are planning for an edition of from ten to twenty thousand extra copies in addition to our big regular monthly edition, and these extra copies will be circulated among live, wide-awake poultry keepers who are certain to join the big family of AMERICAN POULTRY JOURNAL subscribers.

"A special feature of this Anniversary number will be the absence of free reading notices. Following our motto of "We lead—others follow"—we believe that the time has come when these notices have ceased to be of any value to advertisers. The readers are fatigued with reading where this breeder or this manufacturer has the greatest fowls or goods on the market. They have come to consider it as "worthless" and do not read them any more.

"In place of these free reading notices, we will publish high grade illustrations of poultry farms and appliances together with unretouched photos of fowls. In this way the buyer knows what he is getting and can learn more from one photo than he can from a page of reading notices. The picture tells the story at a glance and tells it truthfully, therefore we will cease publishing these readers.

"If you have not already renewed or advanced your subscription, DO IT NOW and make sure of the 46th Anniversary Number. You will want it. It will be well worth while and it will be a magazine that you will desire to give a permanent place in your poultry library.

"Line up now for the celebration of AMERICAN POULTRY JOURNAL'S 46th birthday."

Exhibit B.—An editorial from the October *Poultry Item:*

"WHAT YOU GET FOR NOTHING IS WORTH JUST THAT."

"In no other magazines of national circulation is the 'special mention,' 'reading notice,' 'write-up,' 'puff' or

what-you-may-call-it evil so rampant, and so really obnoxious and overdone as in the poultry journals.

"From the highest to the lowest of the journals 'everybody's doin' it,' and from the highest to the lowest of the advertisers, almost everybody's asking for it; and we halt at the portals of the 1914-15 show season to ask: Is it right? Is it fair? Does anybody read what's written? Does it do anybody any good?

"We are firm in the belief that it does not. We are, therefore, beginning with this October issue which carries awards of the vanguard of fall fairs, taking the first step toward the elimination of practically all such matter—and particularly that prepared in this office—from the columns of the *Poultry Item*. The first step, as may be noticed in our accounts of the New York State Fair at Syracuse and of the Great Allentown Fair, consists in the omission of 'special mention' of prominent winners as a preface to the publication of the awards. We believe that space can be devoted to other matter which will be of far more benefit to the industry, to the fanciers and breeders and to the *Poultry Item* than would be a repetition of what is given in full detail a little farther down the page. We shall continue this method of handling show accounts right through the year for all shows—large and small.

"There is inborn in every man—if he be a real, red-blooded, honest man—a genuine sportsman, and an American, a distaste of all sham, all favoritism, everything unreal or faked, which amounts to positive hatred. And here we are—a set of men (and women, bless 'em) who have made almost a billion dollar industry out of the 'chicken business,'—asking on the one hand and receiving on the other—sham 'special mentions,' unreal 'write-ups,' faked 'endorsements,' pure 'favoritism' in show accounts which, nine times out of ten, appeal far more to our vanity than to the common sense and dollar supply of those who read such stuff and who are to be our future patrons.

"Bah! let's be done with it—all of it. Let's declare ourselves independent of all such little petty tricks of the theatre press agent, the 'patent medicine gang' and the politician.

"The *Poultry Item* has had such a movement under consideration for a long time, as the burden of preparing such 'write-ups' grew greater month by month. It heartily commends the sweeping action to be taken by the AMERICAN POULTRY JOURNAL on January 1, 1915, and will have more to say on this subject later—when obligations now on hand have been fulfilled.

"Our mind's made up, however, that we will have our pages just as clean of such 'taffy' as are those of other journals of standing. It is a forward step in which there is promise of better things to come and we have no fear of the outcome.

"It has been said that a journal is valuable as an advertising medium in inverse proportion to its freedom with free write-ups. The more free space, the weaker the paper. We believe the advertiser whose product must be bolstered up with a lengthy recital by the editor is harmed, not helped. We shall, therefore, no longer wound the influence of the *Poultry Item* by publishing in our reading columns matter that weakens the confidence of our readers in this publication's integrity. In statements over the advertiser's signature, he rules supreme. For all other matter published, the authors will be responsible and their names will, as usual, appear with the story."

"F. B. C."

Exhibit C.—An editorial from the November *Inland Poultry Journal:*

"We understand that the AMERICAN POULTRY JOURNAL has decided to discontinue all reading notices and devote the space formerly given to the breeders in illustrating the birds and buildings of the owners. We wonder if this system will prove satisfactory to the advertiser or the subscriber. Our opinion is that our readers want to know just what our road men find on their trips. They like to know what the other fellow is doing, how many birds he has, how his matings have turned out, and if he has gone forward with his strain, if he is standing still or if he is going backward. It has always been the aim of the *Inland Poultry Journal* to send out men who do know the quality of the birds of the several breeds and varieties, and then have them tell our readers, as near as they can, just how the birds look in the yards of the different breeders. No doubt, the advertiser receives some benefits from these reports, but we leave it to you if he is not entitled to it. On the other hand, the readers receive a direct benefit by learning from us at our expense what others are doing without having to go to the expense themselves of visiting the farms.

"In our October issue our Mr. Hallett told of his visit with John Yant, of Canton, Ohio. In that article he told you many things you did not know and many things that an illustration would not have told. He told you of the foundation of the Yant strain of Barred Rocks. He described the barring on the birds and told you the number of bars he counted on one feather of a Yant bird. Did that article interest you or would you rather see a few pictures of Mr. Yant's birds or houses? We venture the assertion that every reader of *The Inland* that is interested in Barred Rocks read and appreciated every line of that write-up—in fact, wanted more of it.

"Would a picture of the Buff Leghorns of F. S. Smith, of Hamilton, Ohio, have told you that he had more than 5,000 Single Comb Buff Leghorns of uniform shape and color; that he breeds his birds not on one farm, but on many farms? Would a picture of Fred Harrison's Red Farm at Menominee, Mich., have told you that he produced 500 exhibition pullets this season? Well, not quite. Would a picture of H. W. Halbach's

FASHION PLATE..... BUFF ORPINGTONS

WIN Chicago, Greater New York, Cleveland, Indianapolis, Louisville, Memphis, Nashville—or wherever the keenest specimens are measured.



Buy into the **strain** that wins when bred to lay and make your investment earn a double dividend.

We Have the Quality for Any Show

Our conditioning rooms, experience, ripening process, training birds for exhibition, free with every purchase.

Send for the Orpington Fashion Plate Book—it tells how our **trapnested strain**, prolific egg production and winning habit were originated; also prices and all else you care to know—56 pages, **free.**

A. E. Martz & Son, Buff Orpington Specialists, Box A, Arcadia, Ind.

White Rock Farm at Waterford, Wis., have told you that he had produced this season the greatest breast shape on his males that he had ever produced? We hardly think so. Take it from every angle—the good of the advertiser, the good of the subscriber and the good of the business in general, *The Inland* is thoroughly convinced that it is best to stay by its present policy and try to give to our readers the real facts in regard to conditions just as Mr. Hallett and the rest of our staff find them. When we sneak up on the breeders in their own homes, without their knowledge of our coming, we generally find things just as the breeder finds them 365 days in the year, and we are in a position to tell our readers the very things they want to know about these plants. It costs no one but us, and so long as we pay the freight and give you all the facts as we see them, we feel that we are making of *The Inland* what we have always tried to make of it—a poultry newspaper."

It is not our intention to start controversy, but, as apparently "Exhibit C" has been quite liberally distributed among our patrons, we feel disposed to make a few remarks on this subject.

Look, with us, over the pages of Mr. Hewes' November *Inland*. If experience counts for anything in the publishing business, we find that close to 45 per cent of his reading matter reads like straight out and out "writeups," polished up to please and flatter advertisers. Of his broad column pages at least 7 out of the total 15 are writeups of plants. We would not call them newsy or instructive articles, but rather more like free advertising and "puffing" the stock to promote sales.

Now that isn't our idea of a "poultry newspaper," in so far as a monthly magazine can be a "newspaper." Giving the news is one thing, but puffs and taffy for everybody, presumably given to make the advertising "pull better," is quite another matter. Instead of padding a paper with "free reading notices" ad libitum, why not confess that the advertising space is not worth what is asked for it and sell it for less?

We cannot see by what line of reasoning it is necessary or desirable to give away several inches, or even whole pages, of reading notices with each advertisement in order to make the ad pull. We firmly believe that the advertising space in AMERICAN POULTRY JOURNAL is worth every dollar and cent we ask for it. We know that it pulls good business for advertisers and that it pays. Simply because someone else does it, we don't see why we should "give a full dinner set with every pound of tea." You wouldn't expect such tea to be good.

Several successful and prominent men in the poultry business have told us that they would be glad to see "free reading notices cut out." They do not consider that a long string of similar "puffs" written about the stock of plants of Tom Doe, Dick Roe and Harry Coe are of any real value to them or to the readers. One veteran breeder told us that he told the editor of a certain poultry paper that the editor was welcome to visit his plant, but he did not want any writeup, because anybody who bought enough advertising space could get one, and he did not care for that sort of cheap publicity. "What you get for nothing is worth nothing," said he.

Some time ago we knew of an investigation by the Postoffice Department. They called the attention of an editor of a poultry paper to the fact that in the current issue of his paper he had printed from several lines to several inches of free reading notices for each and every advertiser, apparently. The editor said: "If I missed giving a notice to anybody it was not intentional." Is that news? Do readers want that sort of stuff? Do advertisers really care for it and does it

Smith's Strain White Leghorns

***Real* Winners—*Real* Layers!** Winners at Chicago, St. Louis, Indianapolis. Write today for Finest Leghorn Catalog—Free! **Eugene C. Smith, 317 Galena Blvd., Aurora, Ill.**



Carverville, Home of Carver's Famous Reds

RED SUSSEX **RHODE ISLAND REDS** GOLDEN CAMPINES

CARVER'S RED FARMS, First Big Win of the Season, at the Great Forest City Exposition Cleveland, the Hagerstown of the Middle West, 3,500 birds. We won 10 firsts, 7 second prizes, every bird but one placed. Over 100 prizes the past 12 months in such shows as Chicago Coliseum, Madison Square Garden, Buffalo, Cleveland, Ohio, A. P. A. Show. Also reports from our customers winning in over 25 states. Get our down-to-rock-bottom war prices. They will open your eyes and save your pocketbooks.

A. A. CARVER, Specialty Breeder **CARVER'S RED FARM,** **L. Box 2, SEVILLE, OHIO**

REGALS at HAGERSTOWN



Crusader III, a Boston Winner

AFTER a series of consistent winnings, Regal White Wyandottes have ended the Fall season with a wonderful triumph at Hagerstown in the hands of my customer Mr. Elwood Taylor of Maryland. The following is Mr. Taylor's letter which I have permission to use:

Berwyn, Md., Nov. 9, 1914.

Am sure you will be pleased to learn of my big win at Hagerstown Fair. On 8 entries I won 1st Cock, 1st Old Pen, 1st Young Pen, 1st Pullet, 2d and 5th Hen. This win was in close competition; each class being filled. REGALS ALWAYS WIN. I remain Yours truly, ELWOOD TAYLOR.

Regal White Wyandotte Book

The new and latest edition of this BOOK is now ready. It contains 60 pages and is full of valuable information on feeding and rearing White Wyandottes. Send one dime for a copy

3000 Cocks, Hens, Cockerels and Pullets For Sale 3000

SPECIAL—200 Exhibition Cockerels and 400 beautiful Pullets ready now to win the blue ribbon for you.

100 well matured Cockerels from my heavy laying Dorcas line, $10.00, $15.00, $20.00 and $25.00 each. Dorcas Pullets $4.00 and $5.00 each. Stay White Utility Cockerels, $3.00 and $5.00 each.

FREE—Twenty page illustrated catalogue and sale list.

JOHN S. MARTIN Box 51 PORT DOVER, CANADA

do them any real good? We think not.

To avoid any misunderstanding later on, we wish to say that it is the *free reading notices* that we intend to cut out of our journal beginning with the January, 1915, issue. We do not intend to sacrifice any real news matter that is of value to our readers. So far as it is practicable for any monthly magazine to print the news of the poultry world, we shall print it. We expect to visit a good many plants and we shall tell our readers what we see and learn during our visit. But we shan't print a lot of taffy about the winnings and the fine line of birds that are for sale. If any breeder has 5,000 birds, uniform in shape and color, ready to sell, he will tell you about it in his ad, not in the reading columns, and you will get the news of his show winnings in the show reports.

When we report a visit to a poultry plant, we shall endeavor to tell our readers what we believe they want to know most about that plant—how the breeder made his start; how he feeds, manages and houses his stock, and what we see and learn there that we believe will prove instructive and helpful to the majority of readers. In short, we desire and intend to give the reader the real benefit of our visit to the poultry plant and do not intend to act as a press agent for the boosting and sale of the stock and eggs of each and every breeder we visit. Such reports will undoubtedly help the plants reported, probably more than the fulsome writeups that all seem as much alike as peas in a pod, but our chief object in presenting such reports will be to instruct and benefit subscribers and readers and give them the opportunity of seeing the plants as we see them.

From correspondence received to date, we believe that readers and advertisers as a whole welcome the discontinuance of free reading notices and certainly we shall try to make good use of the columns that have heretofore been filled with fine type "free readers." Hereafter, if anyone wants a reading notice of that sort he can have it by paying for it by the line and having it labeled "adv."

Eggs for the British Army.

THE following item was clipped from the water front news in the *Boston Daily Globe* for November 6th:

"The biggest shipment of eggs ever sent from this country to England will go out today in the steamship Anglian of the Wilson & Furness-Leyland Line, Capt. Toozes, bound for London. Eight thousand cases, containing 2,880,000 eggs, valued at about $30,000, will be exported. They will make up part of the food supply of the British Army. The Anglian will be filled to capacity when she leaves Hoosac Docks at 11 a. m. today. She will carry 90,000 bushels of wheat, 1,200 tons of flour, 200 tons of provisions and a very large miscellaneous freight."

During the same week about 7,000 more cases of eggs were shipped from the Port of Boston. Shipments totaling 15,000 cases or 5,400,000 eggs the first week in November from one port is going some.

But we feel a bit sorry at that for Mr. Tommy Atkins, who is presumed to be the ultimate consumer in this case. At the time this big export shipment was made, real new laid eggs were selling at retail in Boston at 60 cents a dozen, and scarce at that. We can't help wondering what sort of eggs were shipped that were only valued at $3.75 a case, or 12½ cents a dozen, in early November. The report says that they are intended for food and that they came from the West in 23 refrigerator cars. We can understand how 12½ cents a dozen eggs, at this season, might make effective ammunition, but as food for the wounded, such eggs don't look good to us. Nevertheless we are glad that these cheap and ancient eggs have left the country. Hope they were not stamped "Laid in America."

Is There a Santa Claus?

VIRGINIA O. HANLON, 8 years old, in a letter to the editor of the *New York Sun*, asks the above question, saying that her friends say there is not.

And the editor, mighty man of invective and sarcasm, became "even as a little child," and wrote the following reply:

"Virginia: Your little friends are wrong. They have been affected by the skepticism of a skeptical age. They will not believe except they see.

"Yes, Virginia, there is a Santa Claus. He exists as certainly as love and generosity and devotion exist, and you know that they abound and give to your life its highest beauty and joy. Alas, how dreary would be the world if there were no Santa Claus! It would be as dreary as if there were no Virginias. There would be no childlike faith then, no poetry, no romance to make tolerable this

Spring Water S. C. White Leghorns

are not the result of one or two years experiment, but have been carefully selected and bred by us for years and today they stand foremost in both utility and exhibition qualities. Other breeders have come and gone but the demand for the SPRING WATER STRAIN increases with every passing year.

BABY CHICKS **EGGS FOR HATCHING**

Write us your wants and allow us to quote you prices which will astonish you considering the quality offered. We guarantee the SAFE DELIVERY of chicks, the FERTILITY OF OUR EGGS and that a customer must be satisfied when dealing with us.

Although our capacity is 20,000 eggs at one sitting—WE HATCH ONLY FROM EGGS LAID BY OUR OWN BIRDS. We are in every sense BREEDERS not a Hatchery. Write for free booklet. Mention American Poultry Journal.

Spring Water Poultry Farm **R. F. D. 1** **Stockton, New Jersey**

Keeler's White Wyandottes

The champion and premier prize winners, birds of proud lineage and the product of years of scientific breeding with whom winning the blue ribbons has become a habit, line-bred and pedigree-bred producing the winners at America's greatest shows for the past twenty years. Chicago, Kansas City, Indianapolis, Cleveland, New Orleans, Dallas, Texas, Pittsburg Los Angeles, etc. The strain that has established more successful breeders of White Wyandottes than any other. The strain you must have to be successful.



1st Cockerel, 1st Hen and 1st Pullet, Indianapolis, 1914

The World's Greatest Strain

The opportunity for profit in the poultry business never was so great as now. As a money-making proposition breed good White Wyandottes. High-class stock is in demand everywhere. With Keeler's White Wyandottes you can make money in three ways: By winning at the shows; By rearing and selling pure bred stock and at the same time having the best of utility fowls for your own use. Keeler's White Wyandottes are the handsomest of show birds, and the best general purpose fowl producing two-pound broilers in eight weeks and lay from 200 to 265 eggs a year. Start right by starting with **Keeler blood.**

3,000 Birds For Sale, 3,000

In selected breeders at $25, $35, $50, $75 and $100 a pen (four females and male). Choice show birds of better quality than ever ready to meet the keenest competition and win. Get in touch with me NOW for your December and January show birds. All show birds will be conditioned, washed and fitted for your show without extra charge. 60-page art catalog of America's Finest White Wyandottes free, send for it now. Breeding pens for 1915 mated January 1st. State wants plainly and address

Chas. V. Keeler, R. F. D. 11, Winamac, Ind.

existence. We should have no enjoyment except in sense and sight. The eternal light with which childhood fills the world would be extinguished.

"You might get your papa to hire men to watch all the chimneys on Christmas eve to catch Santa Claus, but even if they did not see Santa Claus coming down, what would that prove? Nobody sees Santa Claus. The most real things in the world are those that neither children nor men see. Nobody can conceive or imagine all the wonders that are unseen and unseeable in this world. You may tear apart the baby's rattle and see what makes the noise inside, but there is a veil covering the unseen world which not the strongest that ever lived could ever tear apart. Only faith, fancy, poetry, love and romance can push aside that curtain and view and picture the supernal beauty and glory beyond. Is it all real? Ah, Virginia, in all this world there is nothing so real and abiding.

"No Santa Claus! Thank God, he lives and lives forever. A thousand years from now, Virginia—nay, ten times ten thousand years from now—he will continue to make glad the heart of childhood."

———o———

Increase Production.

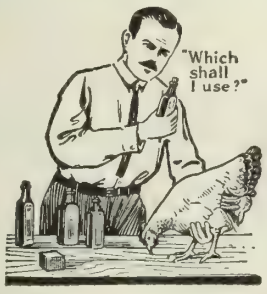
BUILD up your business, increase your production of eggs, chickens and fowls. Poultry produce is looming up large as extremely important food to feed the people of this nation and of other nations. More and better food is needed and the demand for the best quality food eggs and best quality food poultry is steadily increasing. Do your share. Produce all you can produce well.

Dr. Edward T. Fairchild, president of the New Hampshire State College, is quoted as saying:

"Within the next 25 or 50 years the food supply in this country will have to be about doubled. It will not be increased so much by the addition of new land as by increased production from the land that we now have. This means that there is a great future ahead for the agricultural colleges all over the country and they will have to play a tremendous part in bringing about this greater added food production."

We don't doubt the truth of that statement. Food production must be increased. There is immediate need of increased production. Within the next five years the demand for food is likely to increase much more rapidly than the supply. Those who can produce an abundance of good foodstuffs to sell will undoubtedly make money. As our population increases, and as we come more and more to depend upon our home resources, we are bound to give more attention to intensive methods of production and to making two eggs and two chickens grow where only one grew before, and we will need to improve upon that if we can.

A comfortably full belly is conducive to optimism and prosperity. There is no more important work than that of producing good food wherewith to feed the people. The people must be fed and they are willing to pay well to be fed on good food. As we have said before, it is a good time to GET BUSY. Do your part in increasing the production of good poultry and eggs.



"Can't Afford a Doctor"

for a sick chicken, yet one sick chicken in a flock generally means more sick chickens soon,—their diseases being mostly contagious or caused by the same food, drink or housing.

Flock treatment is the modern method and Germozone the modern remedy. One need not buy one medicine for roup, another for canker, another for diarrhoea, and still another for sore head, or chicken pox, or inflamed skin when Germozone is the one remedy for inflammations or irritations of skin or mucous membrane, and that covers nine out of ten poultry and pet stock troubles.

The big point is to take early action. Germozone acts quick. It is no uncommon thing to cure canker or roup in one night, but the earlier the treatment, the quicker the recovery.

Best of all is the "twice a week" preventive treatment, a teaspoonful of Germozone to a quart of drinking water. It purifies the drinking water, from which source contagion is most frequent, and also has a beneficial action on mouth, throat, crop and bowels. It is a great bowel regulator for poultry, pigeons, birds, dogs and other pet or domestic stock.

4 oz. bottle (trial) 25c. **32 oz. bottle (farm size) $1.00**
12 oz. bottle (standard) 50c **Gallon bottle (128 ounces) $3.00**
Tablet form, mailable, 50c per pkg. of 60 tablets, postpaid

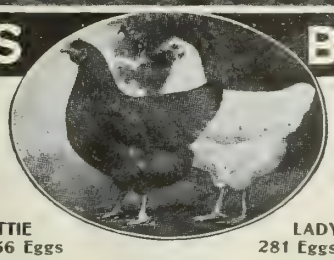
Sold by most Druggists and Poultry Supply Dealers. One-dollar and three-dollar sizes delivered from Omaha prepaid to any express office in the U. S. Sample and book free by mail on request.

GEO. H. LEE CO., Dept. 13 Omaha, Neb.
Mfrs. Lee's Lice Killer, Lee's Egg Maker, Mandy Lee Incubator.

TRAP-NESTED 200 EGG STRAIN

THE WORLD'S BEST LAYERS

TRAP-NESTED 200 EGG STRAIN



STOCK EGGS


Lady Vera 235 Eggs


Lady May 219 Eggs


Lady Agnes 236 Eggs

LADY HATTIE 256 Eggs

LADY SHOW YOU 281 Eggs

BABY CHICKS


Lady Beatrice 240 Eggs


Lady Grace 232 Eggs


Lady Rose 232 Eggs

White and Buff Orpingtons, R. and S. C. Reds, White and Barred Rocks, S. C. White Leghorns, White Wyandottes

I will sell cockerels and pullets bred from sons of my eight MOST FAMOUS EGG PRODUCERS mated to hens with records of better than 200 eggs, at $6.00 for COCKERELS and $3.00 for PULLETS. You cannot buy better egg producers at any price. My cockerels will improve the laying propensities of your present flock. If you are starting, START RIGHT. My pullets and your careful attention will MEAN YOUR SUCCESS. It has for others and will do likewise for you. Now is the time for you to purchase.

I would like to mail you my catalog. It contains information YOU SHOULD KNOW. Write for it.

NOTICE — Good layers sometimes happen, but please remember, THAT THEY ARE MORE FREQUENTLY BRED. I BREED FOR EGG PRODUCTION.

My 1915 Mating List now ready. Book your order now for early delivery of eggs and baby chicks.

JOHN G. POORMAN, Box 100, TINLEY PARK, ILL., U. S. A.



BEAU BRUMMEL I
The greatest S. C. White Leghorn Sire in the Middle West. First prize pen cockerel, New York, 1911. Prize old pen Chicago, 1912. Prize old pen, Chicago, December, 1913. First old pen, Indianapolis, 1914. First old pen Illinois State Fair, 1914.



PRINCESS FROST WHITE
Possessor of an unbeatable record. First prize pullet Indianapolis, 1914. Special prize for best female in her class. Special prize for best pullet in her class. Special prize for best shaped female in her class. Special prize for best colored female in her class. Special prize for best headed female in her class.



PRINCE CHARMING
"The nearest living approach to an ideal Leghorn head." Special prize, Indianapolis, February 2-7, 1914.



SILVER KING I
First prize cock, Coliseum, Chicago, 1912. First prize old pen, Coliseum, Chicago 1913. Sire of 10 prize winning cockerels and pullets, Coliseum, Chicago, 1913.



SILVER KING II
Son of Silver King I, First Prize Cockerel, Coliseum Show, Chicago, December 12-17, 1913.

S. C. W. Leghorns

Sweepstake Champions

1914—**Illinois State Fair**—1914

37 Leghorns Entered; 31 Ribbon Winners

Cocks 1-2-4	Old Pens 1-2
Cockerels 3-4	Pullets 4
Hens 1-2-3-4-5	Young Pens 1-3

Sweepstake Champions

1914—**Indianapolis, Feb. 2-7**—1914

25 Leghorns Entered; 24 Ribbon Winners

Cocks 1-2	Old Pens 1
Cockerels 2-3	Young Pens 1-2
Hens 1-2	Pullets 1-2

Our Customers' Winnings

We have been deeply gratified at the success or our customers during the last year. Our strain is acknowledged as consistent winners. Young stock hatched from eggs purchased from us are everywhere showing up splendidly. Now, what we have done for ourselves and for others, we can do for you. Why not write us your needs today?

Winter Shows

Our manager, Mr. Harmon Bradshaw, is acknowledged to be one of the best conditioners of show stock in the country. We have a large number of cocks and hens now going through the molt that will be in prime condition for the winter shows. In addition, we have literally hundreds of young fowls hatched from all-star matings. If you are weak in a cock or a cockerel, a hen or a pullet; if you need a single bird or a bird to fill out your string—write us today.

2000 FOR SALE AT MODERATE PRICES Leghorns and Silver Campines **2000**

Silver Campines

Sweepstake Champions

Coliseum Show **Chicago, December, 1913**

Cockerels 1-3-4	Pullets 1-2-5
Cocks 3-5	Hens 2-3
Old Pens 1	Young Pens 1-2

"The Green Sheen Strain" so far as the appearance of our fowls is concerned, is especially noted for three things: Type, barring and the beautiful beetle-green sheen of the feathers. From the view point of utility, the females have been bred to lay, continuously, large white eggs. Poultry artists and judges agree that our flock is the peer of any in the country. We have 250 cockerels and 500 pullets of remarkable strength at the command of our customers. Information and literature will be forwarded for the asking. Absolute satisfaction guaranteed customers.

THE WILLOWS POULTRY FARM FRANK E. HERING, Proprietor HARMON BRADSHAW, Mgr.
Box 488, South Bend, Indiana

Free Reading Notices.

HAVE you ever seen a horse in an old-fashioned tread-mill, always on the go, yet going nowhere?

"Well, that horse reminds us of certain poultry papers. They are running the same gait today that they did ten years ago. They "forget" or do not know that this is the age of advancement—that people who read poultry journals select the "bell wether" and pass up the "sheep."

Two months ago we announced that with our coming January issue we would discontinue what is commonly called free reading notices.

The AMERICAN POULTRY JOURNAL caters to its readers, for after all, it is the readers who support the advertiser, therefore the readers' wishes comes first.

A two years' study proved that reading notices were read by "advertisers." The real dollar and cents subscriber, the one who wants to purchase something, wades through these readers like a real boy washes his face when compelled to.

The first poultry journal published ran free reading notices, that was 50 years ago. Surely the poultry industry itself has progressed—why then should the poultry journals be as "the man who stood still."

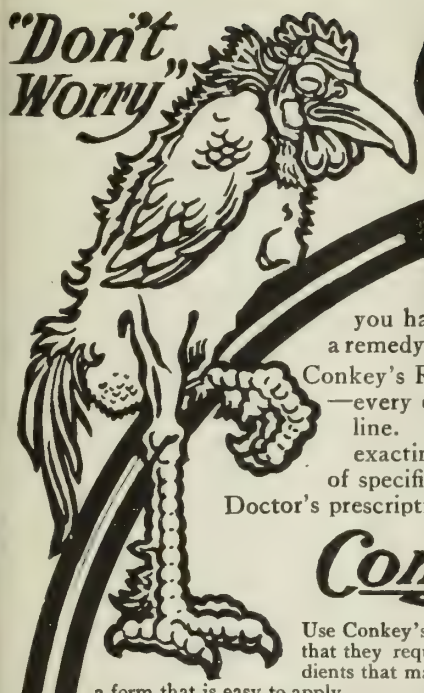
The November issue of the *Inland* asks. "Does a picture show that so and so has 500 prize winning cockerels?" No, the picture will not show all 500, but it will show a number of the fowls as they really are—not as a flowery pen pictures them. How often have you heard someone's praises sung, only to be disappointed when you saw their picture. Suppose someone wrote that they would give you a million dollars. You would, of course, be "worked up." But wouldn't you be more "worked up" if they were to send you a picture of the million, so that you would know what you were going to receive?

Which Do You Prefer?

THIRTY miles from Boston (Mass.) there is a village postmaster who keeps a grocery store. It used to be a store just like hundreds of other village post offices, but the postmaster has taken a new grip on his business and is adopting up-to-date business methods and keeps his store well stocked with fresh, bright, new goods of the best quality. He no longer talks about poor business. Recently he said: "The demand for good, real new laid eggs is surprising. Folks buy more eggs now than they did when the prices were lower, but they want *good new laid eggs.*" On November 11 he was paying nearby farmers 52 cents a dozen for newly laid eggs and he insisted that they "must be clean, good and new laid." He was selling at 55 cents a dozen, which was then the wholesale price for eggs of same quality in Boston.

Four miles away from this postoffice in two directions are two other village grocery stores. On the walls of each in an out-of-the-way place is a sign which reads: "Cold Storage Goods Sold Here." In the cellars of these stores one can find a quantity of egg cases containing "western case eggs" that the proprietors bought at from 12½ to 20 cents a dozen from a big packing house concern. On the counters up stairs, eggs out of these cases are displayed with the sign, "Fancy Selected Eggs, 40 cents a dozen." The eggs are brown but their age is doubt-

Get These Conkey Remedies NOW!



When disease develops in your flock you have no time to experiment—what you need is a remedy at hand that you can rely upon to do the work. Conkey's Remedies are not put out on a "hit-or-miss" basis—every one is thoroughly proven before it is added to the line. In our laboratories our research work is of the most exacting kind, for we "build" our Remedies for the treatment of specific diseases and they are as carefully compounded as a Doctor's prescription. This care means unexcelled protection for your flock.



Conkey's Roup Pills

Use Conkey's Roup Pills when your birds are so far advanced in the disease that they require individual treatment. They contain the same active ingredients that made Conkey's Roup Remedy world-famous, and you get them in a form that is easy to apply.

Conkey's Roup Pills are covered with a coating that rapidly dissolves and this assures the quick release of the remedy. When your birds are sick you can't afford to wait until the coating wears off. Keep a package in your **Conkey Corner**. Prices, 25c, 50c and $1.00.

Conkey's Roup Remedy—Powder, given in the drinking water, 25c, 50c and $1.00.



Conkey's CANKER SPECIAL

Conkey's Canker Special is a new product of the Conkey Laboratories and is, perhaps, the most important poultry-remedy discovery that has been made since Conkey's Roup Remedy was introduced twenty years ago.

When applied to the eyes, nostrils, mouth and throat of the birds it quickly allays the fever, kills the roots of the Canker, reduces the swelling, and brings the bird back to normal without a blemish. Also, use it for Canker in Pigeons, and at shows when your birds develop colds—it works like magic. Price, 50c.



Conkey's Poultry Tonic

Get the eggs now. Conkey's Poultry Tonic makes your hens happy and contented, well nourished and strong. It is free from filler, and contains only those tonics that have a beneficial, lasting effect upon the organs of the fowls. Read its contents on the **front** of the package.

Feed **Conkey's** to all your birds, young and old, all the time—it helps nature do its work. Packages, 25c, 50c and $1.00. Pails, $1.60 and $3.00.

CONKEY REMEDIES and TONICS are guaranteed to please you or your money will be promptly refunded. Get them of your local Seed, Feed, Hardware or Drug Store or write us.

Know How To Care for Your Poultry, Get This Book

Our new Poultry Book tells how to detect the presence of disease and what to do to overcome it. It should hang in your **Conkey Corner.** Send 10c in stamps for a copy and we will enclose our Cash Value Coupon, something new. Write today for the Book and learn how to laugh at poultry ills.



Be Ready for Emergencies with the following-

Conkey's Roup Remedy
Conkey's Cholera Remedy
Conkey's Bronchitis Remedy
Conkey's Sore-Head Remedy
Conkey's Poultry Worm Powder
Conkey's White Diarrhoea Remedy
Conkey's Lice Powder

and above all always have a can of CONKEY'S NOX-I-CIDE on the shelf—a powerful aid in keeping everything sweet and clean; kills lice, germs and odors.

The G. E. Conkey Company

1000 Conkey Bldg., Cleveland, Ohio, U. S. A.

MOE'S SELF LOCKING LEG BAND



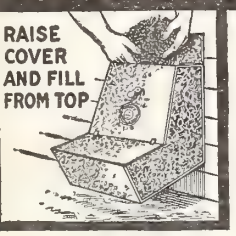
Patented Feb. 10, 1903

A sealed band that requires no sealer. Locks simply by pushing it together and it can only be removed by destroying the band. Manufactured out of a bright nickel colored metal that will not rust or corrode. Every band has its own raised or embossed number.



12 Bands 15 Cents. Postage paid. Liberal discount on quantities.

MOE'S NEVER CLOG AND WASTE PROOF HOPPER



Patent Pending

Large in capacity, small in price. Does away with all trouble of feed clogging no matter how coarse. The gradual enlargement of the base will force the feed downward. Rat proof and weather proof when closed. A trial will convince you that it is a hopper of the greatest merit. Manufactured of heavy galvanized iron in three sizes:

No. 35—12 quart capacity $ .75
" 36—18 " " 1.00
" 37—36 " " 1.50

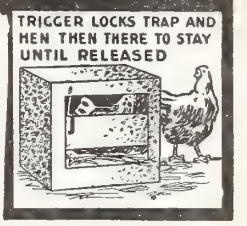


MOE'S NEVER FAIL TRAP NEST



Patent Pending

A solution of all trap nest troubles, for as the name implies it never fails. These traps are lice proof. But one bird can enter at a time. Fully sealed back and sides, but when the hen is trapped she gets plenty of air from above and beneath the trap. The trap is easily removed so that the nest can be used without same and as an ordinary nest. Does away with all trouble in setting up as they are set up and ready for use when shipped. Manufactured of heavy galvanized iron in two sizes:



No. 33—About one foot square, complete..... .....$ .75
No. 34—12 x 12 x 14½ in. for extra large birds, complete..... 1.00

MOE'S SANITARY POULTRY DRINKING FOUNTAIN



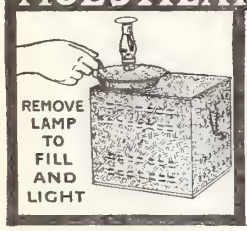
Patented July 11, 1911

Fills from the top. The most popular fountain on the market. The double wall keeps water cool in summer and retards freezing in winter. No valves to get out of order. As easily cleaned as an ordinary pail. The square drinking pan does away with all chances of spilling when hung up. Affords drinking accommodation for two pens at one time. Manufactured in three sizes:

No. 1—1 gallon capacity....$1.25
No. 2—2 " " 1.75
No. 4—4 " " 2.25



MOE'S HEATER FOR TOP FILL FOUNTAINS



Makes our top-fill fountains absolutely non-freezing no matter what the weather. Constructed with every precaution against danger of ignition. Simple and safe. So ventilated that the lamp will not blow out in the stormiest weather, but all the time supplying just sufficient heat to prevent the water from freezing. Manufactured of heavy galvanized iron with lamp complete in three sizes:

To fit our No. 1 fountains..$ .75
" " " " 2 " .. .85
" " " " 4 " .. 1.00



If not at your dealers any of the above sent direct on receipt of price. These are only a few of the good things in Moe's line of useful and sanitary poultry supplies. Write for complete catalogue.

Otis & Moe Manufacturing Co.
1111 West Washington Boulevard Chicago, Illinois, U. S. A.

ful, they were picked up on farms throughout the Southwest a long time ago. Some of them are very dirty. The store keepers say that "They are very good eggs and open up very well, but most of them will shake a little." Some of them will float if you put them in a pail of water.

Good, wholesome, clean, new laid eggs at 55 to 60 cents a dozen. Stale, soiled, "shaking," floating eggs at 40 cents a dozen.

Which do you prefer?

DR. WOODS' NOTES AND COMMENT.

Merry Christmas and a Happy New Year to everybody all the wide world 'round. Let us hope that this glad season may bring Peace and Good Will toward Men all over the world.

* * *

Cheer Up!

If at first you don't succeed,
Don't give up!
Discouragement you should not heed—
Where's your pluck?
Greet your troubles with a smile,
Have another try!
Life is really worth your while,
Laugh, don't cry.
Being glad will help you too,
Nothing matters much.
In this world you get your due,
Work for such.
All dark clouds have silver lining,
Darkest before light.
Don't waste time in much repining,
Make a fight!
You can find much cause for gladness,
If you really try.
Don't waste sunshine with sadness—
Success bye and bye!

* * *

Are you getting ready to make the most of the 1915 season? It is high time for a good start. Our mail indicates that there are big gains in the interest in Standard-bred poultry. There has been a good, brisk demand at good prices for eggs and table poultry. Good breeding stock is in demand and there should soon be a mighty good business doing in early eggs for hatching and in day-old chicks.

* * *

Press reports show that the beef and sheep and hog men have been experiencing serious difficulties with epidemic hoof and mouth disease and food animals from certain sections have been subjected to strict quarantine. We are sorry for them, of course, but "it's an ill wind that blows nobody good" and this should help to boost the demand for market poultry and eggs. With the scarcity of other animal foods and the probability of still greater scarcity soon, poultry and eggs are bound to assume very much greater importance in the national diet. We can assure those who may have looked upon chicken and eggs as luxuries, that good chicken and good eggs even at top market prices make very excellent staple food for the whole family and the cost is not excessive. When the poultry and eggs are home grown the cost is greatly reduced. Since early last spring we have averaged not less than three chickens weekly and not less than eight new laid eggs daily for a family of four and we expect to keep that pace for some time to come. We don't tire of them, either, and we have plenty of other meat foods to afford ample variety. If every family of two adults and two children would do likewise it would take a tremendous quantity of poultry

and eggs to supply their needs. Nowadays it is a pretty good plan to Boom and Consume home grown poultry and eggs. Are you doing your share?

* * *

Give your boys or girls a small portable poultry house and a pen of Standard-bred fowls for a Christmas present, to be "all their very own" to do as they like with. Children take readily to poultry keeping and they like to feel real ownership. Healthful interest in the care, management and breeding of a flock of thoroughbred poultry will prove a good thing for children and a good thing for parents. It helps to keep the youngsters around home and gives them a personal interest in the home place that is apart from any other home interest. Anything that will keep your youngsters around home, and keep them interested in doing something that they feel is "worth while," is a mighty good investment.

* * *

Ever since we moved to The Anchorage Farm our source of water supply has given us more or less trouble and expense. We tried a variety of temporary helps, but they were only temporary and did not get us anywhere. Our water supply comes from a live spring about 900 feet from the house, through 1¼-inch galvanized pipe. The spring was only two small tiles deep and would often fill up with quicksand. The tile were small in diameter and it was an uncomfortable, stand-on-your-head job to clean it out, which had to be done quite often. This fall was the dryest season of record for many years. Wells failed and went dry all about us, but our spring held out, though often very low and quickly pumped out. We decided that we would fix the thing right this time if we went broke doing it.

We had diggers put in a curbing and dig down about ten feet, following the spring. It proved a bigger job than we thought and took four men nearly three days to complete the job and put in new tile. Four big 36-inch tile, weighing more than half a ton each, were used. We went through clay below the sand at a depth of six feet and then got into coarse gravel, where the spring bubbled up in the center as big as two fists. The men at the pump estimated the flow at 2,000 gallons an hour and the water was icy cold. The finished well now is ten feet deep by three feet in diameter and at the dryest time of the dryest season there was 7½ feet of water in the well and the spring should overflow in high water season. At low water it syphons down to the house, 900 feet away, and only has to be lifted by pump from about floor level. The quality of the water is unequaled and it is much colder than before. The total cost of the well complete did not exceed $10 per foot of depth and it is cheap at the price. Now we are wondering why we didn't have it fixed right sooner instead of monkeying with it for nearly four years.

There are a lot of other things that need doing and we are getting some of them done slowly, so that we ought to have quite a well equipped place after a while. This beginning small and growing is a rather slow but very interesting job. Trimming the woodland has made a lot of work and furnished us with about two years' supply of fire wood and is not half done. If it were not for the pest of brown tail and gypsy moths we'd feel pretty good over the woodland proposition, but these "bugs" are a frightful nuisance in New England.

* * *

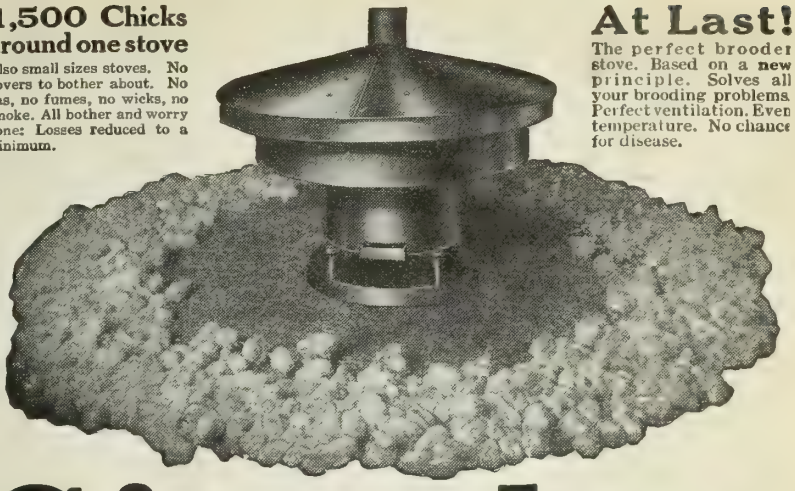
We are beginning to hear less nowa-

1,500 Chicks around one stove

Also small sizes stoves. No hovers to bother about. No gas, no fumes, no wicks, no smoke. All bother and worry gone: Losses reduced to a minimum.

At Last!

The perfect brooder stove. Based on a new principle. Solves all your brooding problems. Perfect ventilation. Even temperature. No chance for disease.



Simplex Brooder Stove

Here, at last, is the perfect brooder stove! A wonderful, new invention. The Simplex Brooder Stove solves all your brooding problems. Send the coupon below **today** for free catalog. This stove works on a new principle, costs only 1-5 as much and means 1-10 the work, 1-4 the operating expense of ordinary brooder systems. *One stove successfully broods 1,500 chicks.* Also small sizes. Self-regulating — holds an even temperature. Does away with all fuss and bother — eliminates all worry. Don't delay. Send the coupon, **today,** for free catalog and full particulars.

Thirty Days' Free Trial

Use this wonderful new Simplex Brooder Stove in your own brooder house 30 days absolutely free. Give the Simplex a thorough trial before you decide on your brooding system for this year. Try the stove under all conditions. Make any test you know of. Then at the end of 30 days, if you are not delighted send it back and we'll cheerfully refund your money. You alone are the judge. Send coupon for catalog.

Turns Chick Losses To Profits

This wonderful new brooder will raise 20 to 50 per cent more of your chicks than you have been able to raise by old-fashioned methods. No more deaths from white diarrhoea and poor ventilation. It turns the losses from dead chicks into **big profits** for you. The Simplex soon pays for itself by **extra** money it makes. This wonderful new stove will double your poultry profits in a year — and it costs only one-fifth as much as other brooding systems. Send the coupon **today.**

Saves Labor and Expense

The Simplex Brooder Stove means one-tenth as much work —costs one-fourth as much to operate as any other system. Does away with all fuss and bother. Simply constructed—easily installed and cared for. It is self-regulating—needs no watching—eliminates all worry. **Try it for 30 days free.**

Free Brooder Book

Send the Coupon Today!

Send the coupon today for valuable book that tells how to "Increase Your Profits by Decreasing Mortality"—**absolutely free.** It tells how to solve all your brooding problems. How to save the chicks that you have been content to lose every year through disease and faulty brooding—how to make twice as much money from your poultry. Tells how to eliminate all the work and worry of raising large broods of chicks. Complete instructions on the scientific building of a brooder house. Reliable information about fuel. Also catalogue and complete details of the wonderful Simplex Brooder Stove and our 30-day free trial offer. This valuable book **absolutely free.** You assume no obligations whatever. Read this book before you decide on next year's brooding system. **Send the coupon today.**

Simplex Brooder Stove Co.
3819 Fourth St., Grand Rapids, Mich.

Simplex Brooder Stove Co.
3819 Fourth St.
Grand Rapids, Mich.

Gentlemen: Please send me, absolutely free, your valuable Brooder Book and catalog. It is understood that I assume no obligations whatever. Also particulars of your 30-day free trial offer.

Name.....

Address.....

.....

days about the glory to be won in war. There is not much glory in being put up to be shot at for 20 cents a day and your grub (which you may not get). If you fall, you get a shallow trench where you drop in a strange land. If you should survive, you may be able to make a living in your old age selling shoe strings and lead pencils on some street corner, while the fickle world gives the cold shoulder to the war worn old soldier. Better think about the Glories of Peace.

* * *

"Quill," in *The Feathered World*, London, England, says:

"The movement to help the Belgian poultry-keepers when the right moment arrives is splendid, and will, I feel sure, be amply responded to. But there's just one thought strikes me, and that is that it may be wise to reserve a certain portion of our possible gifts for yet another country. Apart from quarrelsome and aggressive war lords and other similar offenders, it is only fair to say there are some good fanciers in Germany, and by-and-by, when the various allies have commandeered cheap feeds all over the Fatherland and things have settled down again, a little help in that quarter may not come amiss. Not high-priced buyers as a rule, nevertheless, there are many English breeders who have done very well by sales to Germany, and we may think well to be generous and forgiving when sufficient punishment has been administered. I hear they're getting hungry over there, and probably most of the poultry will be devoured even before Mr. Atkins and his colleagues arrive on the scene, so we had better keep a few back in case they are needed."

War is a lot worse than Gen. Sherman said. Recently a naval commander was severely reprimanded for attempting to save his comrades on a stricken sister ship. He should have let them drown instead of risking his costly ship and armament. Men are the cheapest and most easily obtained things in war equipment, so the superior officers said. Now that the thin mask of civilization has been dropped, wonder how far the brutalizing process of reversion to savagery is to be carried and how long it will take to recover from it.

* * *

Evidently breed type has been neglected by breeders on the other side of the "herrin' pond," as well as here at home. We certainly do like to see birds that hold to the true shape of their respective breeds. If we are going to have all our breeds struck out with the same die, what's the use of having more than one breed? The following clipping from "Random Shafts" in *The Feathered World* (England), is to the point:

"It's astonishing how frequently one finds it necessary to keep on explaining what single and double mating means. So many seem to think single mating is simply putting together a typical pen of show birds. Two things are necessary—brains and a poultry run. The greatest advantage lies in the fact that there are so many people who won't patronize a breed where it is necessary to breed both ways; not only the small men who have not room for both, but many others who don't like or won't bother with two strains. Then on top of that here comes the suggestion that a silver 'Dotte cock would look far more handsome with a laced top, which would be one of the essentials for single mating. I repeat it only wants a moderate amount of brains; the necessary standard could easily be bred up to. One has only to read your American quotations to see how necessary it is to work in unison with our transatlantic cousins and to gather how quickly they would cotton to a single-mated type. Shape? You don't go far enough in my opinion. You should have said it has ceased to receive any consideration on this side. Single mating, with the consequent alteration in lacing, is not enough in itself. We must have therewith a return to true Wyandotte type if we are to breed true Wyandottes and cultivate transatlantic business. Take another variety, the whites; handsome and useful birds, no doubt. We see crowds of them all around and at the shows, but how many of them are anything approaching the shape of a Wyandotte?"

* * *

Things are never so bad but that they might be worse. A recent letter from a big firm of manufacturing chemists states that: "The European war has cut off the supply of practically all the ingredients that enter into several of our formulæ, but our supplies will carry us for two years from January 1, 1915, so that we shall be able to supply your wants without material advance in prices and without any sacrifice of quality." That is encouraging, and we have no doubt that when the brains of this country get well down to work adjusting and adapt-

BLUE ORPINGTONS :: SILVER CAMPINES

Though we are at war I have obtained a special permit from our privy council to export exhibition birds to America. I can therefore undertake to land in New York (alive) any orders entrusted to me. I have won more prizes with Blue Orpingtons this season, sometimes competing against the best Blacks, Buffs and Whites seen out, than almost all the Blue Orpington breeders put together. If you want to win at any show in Blues I can supply you. Every Blue Orpington I have shipped to America to win has done so. In Campines exported to America the wins were greater, as I shipped a greater number. Write me your requirements and size of competition, and I will quote you by return mail. Mention American Poultry Journal.

Max de Bathe :: **Vice-President English Poultry Club** :: **Hartley Court, Reading, England**



First Prize Cockerel, Chicago, 1914

THE BRED WINNERS
ARE
THE BREAD WINNERS

Standard Line-Bred "Parkside Strain" **S. C. White Leghorns**

Winners at the Great Chicago Show, 1914

In the largest class at the show, **all Specials, Silver Cup** for best display and **ten** regular **First, Second, Third** and **Fourth Prizes** on my entry of fifteen birds.

NOW dear reader when I say LINE-BRED I mean birds bred in line for over ten years without the introduction of outside blood. BIRDS bred up to the highest state of perfection and each years stock showing great improvement over those bred in previous years. Every bird exhibited or sold, is bred and raised on this farm. My catalogue shows photo's of their ancestors. This is the place to come for honest birds, that will reproduce themselves. I have thousands of satisfied customers, and furnish quality at reasonable prices. I have plenty of breeding stock to offer and furnish **Conditioned Exhibition Birds Guaranteed to Win.** Write your wants and give show dates. My catalog is free.

PARKSIDE POULTRY FARM

N. P. Easling, Prop. **Box 40** **Pekin, Illinois**

ing things to the uncommon present day conditions, that we shall find that this country has plenty of resources that have never been developed. The western hemisphere of the good old earth has a wealth of undeveloped natural resources that have never yet been tapped and now is a good time to begin to develop new sources of supply.

* * *

One of our editors, commenting on the general mixup in the old world and the involvement of Turkey and Greece and the probability of other nations getting into the war by Thanksgiving, finds one thing to be devoutly thankful for and says: "Thank God for the Atlantic Ocean." We sure have abundant reason to be thankful for the geographical location of the American continent and for our abundant and wonderful resources.

* * *

We feel very friendly toward T. E. Quisenberry, of the Missouri State Station, and several of his associates. We had a very pleasant visit at the station plant early last spring and found it well and practically equipped and doing some good work. But, after reading the article on "Colds, Roup and Catarrh," which was printed in most of the November poultry papers with Mr. Quisenberry's signature attached, and which was sent out as a press bulletin, we would respectfully suggest that some one put "the soft pedal" on some of the publicity work or "tie a can" to the press agent. We don't quite gather from the article in question who is responsible for the pernicious treatment of roup and catarrh that is recommended, but whoever is responsible should be sentenced to take the treatment himself and spend several days in "solitary" thereafter. Here is the treatment which Mr. Quisenberry's article recommends, quoted just as we found it in several of our exchanges (luckily some one in Chicago killed it before our printer got hold of the copy) and the advice contained therein is going to cause much needless suffering and wholesale cruelty to thousands of innocent poultry victims this winter. We quote:

"The doctoring of sick birds is tedious and, for the most part, discouraging business. Unless they are especially valuable, the axe is the best cure for all badly affected birds. After the nostrils have been thoroughly cleansed by pressing out all the mucous possible with the thumb and finger, it is a good idea to dip the head of the bird into a pan of warm water into which you have poured Zenoleum, Creolin, Cresol, or some other disinfectant. After the bird's head has dried, take an ordinary sewing machine oil can and inject a little of the following mixture into each nostril: 3 parts coal oil or kerosene; 1 part Zenoleum, Creolin or Cresol.

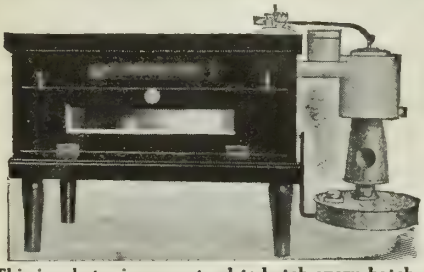
"Mix these thoroughly and shake well each time before using. Give this treatment at least once a day. If the eye is affected, remove all mucous or cankerous substance and drop a mixture of equal parts water and Zenoleum, Creolin or Cresol, or some such disinfectant into each eye. If a tumor has formed about the face beneath the skin, open it with a sharp knife, and allow it to bleed freely and press out all the substance which has collected and caused the tumor. Wash it with the disinfectant and water, and then fill the opening with powdered alum."

* * *

Friend Reader, whoever may be responsible for the advice in the above-quoted treatment for colds, we urge you *not* to try it. Such treatment is simply devilish cruelty and it will not help your birds. In the first place, the assumption that zenoleum, creolin and cresol are the same or similar and may be substituted one for the other is all wrong. The first two named are disinfectant preparations mixable with water to make a milky disinfectant solution and are presumably similar to other disinfectants known as saponified cresol. *Cresol* is a very different thing and is dangerous for such use as recommended in Mr. Quisenberry's article. Cresol, as commonly purchased, is a crude distillate obtained from coal tar, similar to and often sold as crude carbolic acid. It is not adapted for use on mucous membranes or in wounds. Its uses are the same as crude carbolic acid as a disinfectant for stables, poultry houses, toilets and cesspools and as a mite killer about the roosts or as an ingredient in making lice paints or in making saponified cresol disinfectants. It is good enough in its place, but for goodness sake don't use straight cresol, or a mixture of kerosene and cresol, for internal medication or as an application to the delicate and already irritated and inflamed mucous membranes of your bird's eyes, nose and throat. For colds and roup a cheap remedy for treating quickly a big flock can be found in a weak solution of one teaspoonful of creolin (or some other good saponified cresol) in two quarts of water and the same being used as a dip for dipping the bird's head with its mouth held open. This treatment is plenty harsh enough and undoubtedly unpleasant for the bird, but it is effective and there are no serious after effects and tedious treatment. A milder, more pleasant and just as effective remedy is to apply a little germifuge to the nostrils and cleft in roof of mouth. Kerosene is a powerful and dangerous irritant to mucous membrane. We advise you, Friend Reader, to look up your back numbers of A. P. J., particularly October and November, and read therein the admirable articles by J. H. Petherbridge, under the heading, "Poultryman's Practical Dis

A Standard 60-Egg Incubator, 50-Chick Simplex Feather Brooder

BOTH ONLY **$11.00**



This incubator is guaranteed to hatch every hatchable egg—and does it

"SHOW ME" are the words that express the sentiment of poultrymen when confronted with the statement that our SIMPLEX PERFECTION FEATHER BROODER will raise chicks better than the "OLD CLUCK" and with less trouble. We will "SHOW YOU." We will prove that SIMPLEX FEATHER BROODERS deliver the goods—not by printers' ink—but by raising nearly every chick which is put into the brooder.

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We will send you this brooder and one of the best known and most successful incubators on the market for the exceedingly low price of $11.00 AND WE REFUND FREIGHT CHARGES. Investigate this offer—it's bonafide—the incubator is given you at absolute cost—you will be surprised to find out what machine it is—and will be only too glad to avail yourself of this opportunity to secure this incubator and a SIMPLEX PERFECTION FEATHER BROODER, BOTH FOR $11.00. Try them thirty days and if not satisfied your money will be promptly refunded. Our complete catalog of poultry supplies will give you full information. Send for it today.

SMOTHERED 63, THEN PURCHASED A FEATHER BROODER—READ RESULTS.

Simplex Supply House—I am greatly pleased with my feather brooder I received from you May 1st. I took off 96 little chicks from my incubator and saved every one of them in your brooder, but I smothered 63 before getting your brooder. I would not get along without it. Mrs. Lyman Buchanan, Kenney, Ill.

NOT ONE CHICK LOST.

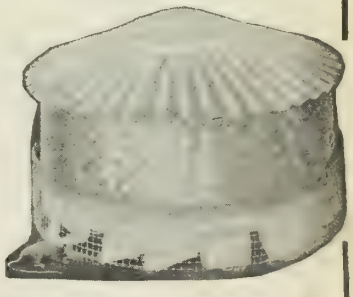
Simplex Supply House—I think your feather brooder the best one I ever tried. I didn't lose a chick out of the lot. Shall certainly try some of your other appliances. Mrs. W. P. Williams, Irvine, Ky.

CHICKS NEVER DID SO WELL.

Simplex Supply House—I received two Simplex Perfection feather brooders and am well pleased with them. I have never had chickens to grow and do so well as this year. The Brooders are the best substitute I have ever used for an old hen. Mrs. Gallatin Hickman, Perry, Mo. R. R. 3.

TAKE TO IT AS THEY DO THE HEN.

Simplex Supply House—The Simplex Feather Brooder which I bought of you in the spring, has given perfect satisfaction. The chicks seem to take to it just as they would the hen. I am well pleased with it. H. Abraham, Silver City, N. Mex.



Simplex Supply House, Pontiax Bldg., Chicago, Illinois

pensatory.'' You will find therein valuable and sensible information to your profit, and in the two issues mentioned you will find ample information concerning kerosene and cresol as poultry remedies.

* * *

Rather than dope and injure your birds with powerful irritants recommended in carelessly prepared publicity articles, it would be much better for you to adopt expectant treatment and use no remedy at all. Simply put your bird into an open-front coop with a small run attached, supply plenty of good food, water, and let Nature do the rest. We have seen roup, catarrhal colds, swollen head and big eyes cured on numerous occasions without any treatment other than good feeding and isolation in fresh air quarters. It is bad enough to have to treat sick fowls, but surely there is no need to subject the poor, sick and helpless victims to the cruel and abusive treatment so commonly recommended off hand and so frequently used. If you can't doctor your sick fowls sanely, sensibly and without cruel abuse, then you had much better kill them and burn the bodies at the start. Fully one-half, or more, of the cases of ailing poultry that are brought to our attention are ones where the sick birds are suffering more because of the *treatment* they have been given than they are from the original disease.

* * *

John A. Gough, in *American Fancier*, says about poultry housing: ''If you feel that the open-front house is not your ideal poultry house, use waterproof sheeting in place of glass and you will greatly lessen your chances of colds in your flock as well as roup.'' We believe that he makes a mistake in giving that advice. Waterproof sheeting or oiled muslin is a poor substitute for glass and collects much dust and dirt and soon becomes so dark that it shuts off the light. It shuts out the sunlight anyway and sunlight is very much to be desired in your poultry houses in winter. Sunlight and fresh air are both essential in keeping poultry healthy. If the waterproofed sheeting is advocated for ventilation purposes, it is about equal in value in that respect to a tight board wall. Where one desires to alternate ventilating screens or curtains with glass windows, don't use waterproof sheeting or oiled muslin; it won't give you any ventilation. If screens or curtains are wanted, make them of coarse woven cotton cloth or stout cheese cloth. If you use close woven goods it will shut out the air whenever it is wet and will soon fill up with dirt until it is almost air tight.

* * *

George H. Pollard, in *Poultry Herald*, says: ''Poultry will winter well in any kind of a shelter which keeps off the cold winds and provides a reasonably dry spot for roosting and exercise. As good results may be gained in a shack as in a palace.''

Better results usually in the shack, we think, if there is ample provision for a fresh air supply. A good poultry house need not cost over a dollar per head of fowl it will accommodate, first construction cost. We have seen plenty of expensive poultry houses that were anything but conducive to poultry health and good production.

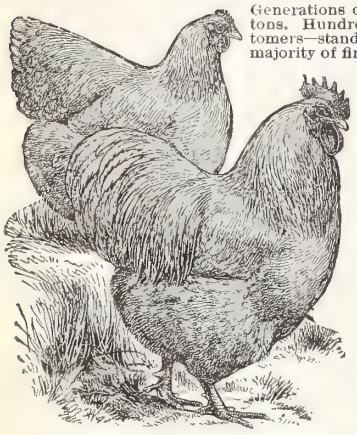
* * *

Mr. Pollard also makes some remarks regarding fresh air methods that are to the point. We quote:

"Grown under fresh air methods, laying hens are healthy hens and hardy hens and any ordinary exposure to the elements will not result in wheezy throats and liquid nostrils. About the only thing that will upset them is fright, worry, or too little food of a suitable kind. If the fowls have been kept cooped in close houses and are unused to fresh air, an abrupt change to an open front house may result in slight colds which should soon disappear. More evil consequences are likely to follow a sudden change from an open house to one with little, or insufficient ventilation. In such cases serious disorders are quite sure to appear and colds and roup are not infrequent. What in well ventilated and open front houses are slight and unimportant ailments quickly grow to serious troubles where the conditions are bad, and almost always they are bad where the supply of fresh air is inadequate."

Possibly he may class us among the fresh air faddists, and we are perfectly willing to admit that we may be a bit of a crank on the subject, but, in any case, we take open-air sleeping quarters for ourselves as well as our fowls and it seems to agree with us and with the fowls. However that may be, we have not had any trouble with fowls, home-grown or purchased, resulting from moving them from closed quarters into open-front houses. They always take to the open quarters kindly and do well there. Moving birds from open-front

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Generations of winners are behind the Sunswick Exhibition Buff Orpingtons. Hundreds of cups, diplomas and medals won by ourselves and customers—stand as confirmation of their winning record. They've taken the majority of first prizes at the leading shows since 1907.

This season we have some

Grand Exhibition Stock

with which our customers can meet any required competition. They comprise some exceptional exhibition specimens—cocks, hens, cockerels and pullets, with the ancestry, color, form quality and vigor that mean sure success in the **show room.** We advise early reserve orders, for our stock has always been in great demand. Birds conditioned free of extra charge and delivered in fine exhibition form directly to the show room, if desired.

Sunswick Farm S. C. Buff Orpingtons

are not only **grand winning birds in the show room,** but are the real breed for flesh and eggs. Can't be beaten. They mature early—are of great size, beauty and stamina. Cockerels make fine juicy broilers, roasters and capons. Our large beautiful catalogue describing our exhibition and breeding stock sent free on request. Write us today. Send your order in early and get the pick.

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FOXHURST FARM

Champion Black Orpingtons

Ready to Win Anywhere

Both young and old birds. **May 1st** hatched cockerels and pullets fully matured.

More wonderful than ever in size, type and color

Remember

They were bred from our **World's Champions WHO** have **SWEPT** Madison Square Garden, New York, for the past **TWO** years and been largest winners for the past **SEVEN.**

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WETMORE'S WHITE WYANDOTTES

Are the Kind You Want

They are bred right, they look right, they are right. They were the ribbon winners at the

BUFFALO SHOW

Winning 1st and 3d pullet, 2d, 5th pen and 5th cockerel in 1913; and 2d cockerel, 4th and 5th pullet, 1914.

Handsome cocks, cockerels, hens, pullets and pens for sale. If you want something that can win, or that will breed winners, try my prize winning White Wyandottes. Satisfaction guaranteed.

C. S. WETMORE, 906 Abbott Road, Lackawanna, N. Y.

houses to close houses is another matter and such a move is commonly followed by catarrhal colds.

* * *

The licensing of poultry judges by the A. P. A. still proves a fertile subject for controversy. We have no fault to find with granting licenses to qualified judges, but we do believe that there ought to be some other plan for determining the applicant's fitness than the slipshod methods now in use. The A. P. A. has abundant good material for a licensing board. Such a board ought to be made up of veteran poultry judges of recognized merit and might well hold regular sessions at the leading shows in this country where applicants for licenses could take an examination, including written and oral answers to questions based on the application of the Standard and also give a practical demonstration of ability to judge actual specimens. It ought not to be difficult to get a licensing board in each state or provincial branch of the association. A license granted for proved qualification to judge and apply the Standard would mean something.

* * *

Some readers want to know why we specified white wheat bran in the mash formula in the article on "How to Get a Good Yield of Winter Eggs," in the November number. There's a reason. The red bran we get in our locality is very bitter, smells bitter, is not readily eaten, seems to contain much indigestible fibre and is not infrequently voided in the droppings. We can buy a white northern bran that is in large soft flakes, sweet flavored, palatable and seemingly more digestible. The fowls like it very much and we give it the preference over red bran when we can get it. When we can't get the white bran, we use the best quality and biggest flaked red bran we can buy.

* * *

Friend Reader, we would be glad to have your report of your personal experiences with your poultry. We may not always be able to personally reply to your communication but a report of your work with your poultry will be welcome just the same. We get many more letters than we can possibly answer, but they are all welcome and often contain suggestions that help us to supply in the JOURNAL articles on subjects you wish to be informed about. We want you to feel that AMERICAN POULTRY JOURNAL is *your* poultry magazine and we will be glad to establish a Readers' Experience Department if you will keep us supplied with letters and photos for it. An exchange of experiences by readers should prove helpful and well worth while. Address AMERICAN POULTRY JOURNAL Experience Department, Lock Box 4, Silver Lake, Mass.

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READERS' EXPERIENCE DEPARTMENT.

Conducted by Our Readers.

AN EXCHANGE of experiences practically conducted is one of the best means of distributing helpful information about poultry keeping. We offer our readers the opportunity to exchange practical experience notes in these columns. If you want it, this is your department, to be conducted by you, for the purpose of helping one another. If you have any plan or method that has helped you in your poultry work, here is the place to tell it and your opportunity. Nearly every poultryman has some device or method that saves labor, saves expense and helps toward success. Every poultryman has had experiences that have taught him something worth while. Every poultryman gets results or wants to know the reason why. Here's your chance to tell about your poultry work, to make AMERICAN POULTRY JOURNAL still more *your own* poultry magazine by sharing your experiences with others. Let us have your egg records, your reports of your work and such helpful information as you can give from actual, every day experience. Tell it briefly and truthfully. This department will be devoted to the exchange of experiences freely given and its continuance depends upon the amount of interest shown by our readers.

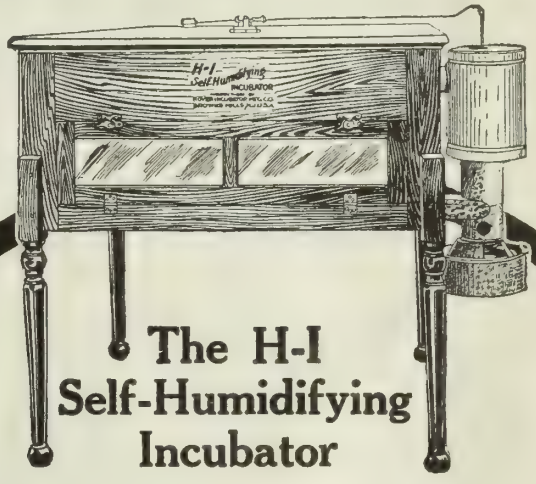
Write plainly on one side of the paper only and be sure to sign your full name and address. Your name need not be published if you advise us that you wish us to withhold it, but we must have your signature as a guarantee of the good faith of your communication.

Address all matter for this department to:

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Record of Year's Work.

The following record of a flock of



The H-I Self-Humidifying Incubator

The H-I Self-Humidifying Incubator represents the last word in incubator science. The woods, No. 1 Cypress, and Redwood, are selected for unusual resistance to heat and moisture. All incubator walls are double thick and carefully insulated between.

With the H-I Self-Humidifying Incubator, it is absolutely unnecessary to open the door of the incubator at any time during the hatch to give the required moisture. This one important humidifying feature greatly increases the percentage of the hatch. It solves at one stroke the one real problem in incubation — that of automatic moisture supply.

The H-I Self-Humidifying Incubator has every desirable feature contained in other first-class incubators, but in addition it contains the latest and most scientific features in incubation—the Self-Humidifying device. It cost you no more than for the ordinary kind.

100-egg, $22; 250-egg, $32; 400-egg, $38

Ask us for circular describing the H-I Self-Humidifying Incubator,

International Sanitary Mammoth Hover

is the one best hover for safely caring for large numbers of chicks with the least labor. A blue flame portable hover built for 500 to 600 chicks. Identical in principle with the 100-chick International Sanitary Hover, known throughout the world for its "warmest at the curtain" feature which insures happy, healthy chicks.

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Please send me free circulars and prices of items below, before which I have marked an X.

Incubator	Drinking Fountains
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6 in 1 Exerciser-Feeder	Poultry Remedies
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Town ..... State .....

White Leghorn pullets may prove of interest to your readers. I started the record with 121 pullets, hatched March 29, 1913. They laid the first egg on October 4, 1913.

We use trapnests exclusively, and by their use keep weeding out the non-producers. True, a good poultryman can tell a laying hen from one that does not lay at all, but very few can tell without the aid of the trapnest, whether a hen is laying one egg a week or seven.

THE RECORD.

121 pullets laid 200 eggs from Oct. 4, 1913, to Dec. 1, 1913. (Culled out 8.)

113 pullets laid 429 eggs from Dec. 1, 1913 to Jan. 1, 1914. (Culled out 7.)

96 pullets laid 798 eggs from Jan. 1, 1914, to Feb. 1, 1914. (Culled out 4.)

92 pullets laid 1,069 eggs from Feb. 1 to March 1. (None culled out.)

92 pullets laid 1,747 eggs from March 1 to April 1. (None culled out.)

91 pullets laid 1,908 eggs from April 1 to May 1. (Lost one pullet.)

90 pullets laid 1,570 eggs from May 1 to June 1. (None culled out.)

90 pullets laid 1,394 eggs from June 1 to July 1. (None culled out.)

90 pullets laid 1,374 eggs from July 1 to Aug. 1. (Culled out 8.)

83 pullets laid 1,025 eggs from Aug. 1 to Sept. 1. (Culled out 5.)

78 pullets laid 620 eggs from Sept. 1 to Oct. 1. (Culled out 2.)

76 pullets laid 429 eggs from Oct. 1 to Nov. 1. (None culled out.)

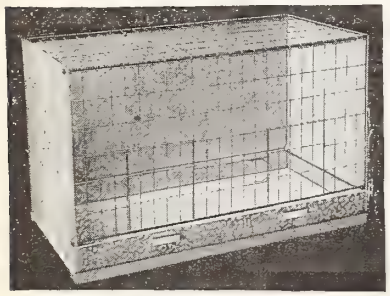
Which makes a total of 12,563 eggs, or 1,046.7 dozens, for which we received an average of thirty-five cents per dozen, making $366.34. On figuring up the cost of keep, I find it to be $1.32 per hen per year, or .11c per bird per month, and totaling $134.39, making a profit of $231.95 per year. Here is where the real argument in favor of the trapnest comes in. The non-producers are soon disposed of and the food cost of the flock is reduced accordingly. Without the aid of the trapnest we should have been unable to cull out the drones, except in a hit or miss way, when, in all probability, we should have disposed of some of our best layers.

Feeding the drones may seem to the unthinking poultryman a matter of small importance, but we find at the average cost of keep per bird that we have saved a little more than $25 on this flock of pullets by disposing of the drones. The net profit on this flock is a trifle over $2.50 per bird. Out of the 76 yearlings now on hand we have 18 that have laid over 200 eggs each, some of them in less than a year. The best layer in the flock, No. 59, started to lay Dec. 13, 1913, and has laid, up to Nov. 2, 1914, 241 eggs. The other 17 birds have laid from 202 eggs each up. The poorest in the flock, No. 3, has 168 eggs to her credit for her pullet year.

Many object to the use of the trapnest because of the necessity of an attendant, but in most cases there is some one at home who could attend to it, and with great advantage.

CARL H. MERRILL.

Waverly, N. Y.



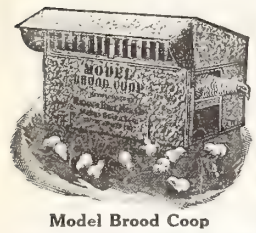
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"Halbach's Pride," 1914 Cockerel, untouched Photograph.

TIMELY CONSIDERATIONS.

BY EDWARD BROWN, F. L. S.

(From *The Feathered World*, England, Oct. 9, 1914.)

The Poultry Breeder's Problem.

THE position of breeders of poultry who depend to a large extent upon the sale, during the autumn of the year, of stock birds, and in the spring months of eggs for hatching and day-old chickens, is one that demands careful consideration, involving a heavy responsibility upon such as attempt to advise what ought to be done by them. I have had an opportunity of talking over this question with some of those engaged in the business, and it is evident that the position presents special difficulties. Fortunately, the panic period which follows the outbreak of war has passed, and saner views prevail. At the same time it would be unwise to ignore facts as they are, and that some, at least, of those who would ordinarily have purchased stock birds in the immediate future are indisposed or unable to do so. The point for consideration is whether others will take their place.

Those who may be termed breeders of utility stock have a second string to their bow which should be of very great service. Many of the birds which would otherwise have been sold can be kept profitably, say, for egg production, and, thus contribute to meet the great shortage which has to be faced by reason of the stoppage of many of our foreign imports. It would be wise, therefore, to retain, so far as the capacities of the land and equipment permit, a goodly proportion of these birds, more especially the pullets, which can be used in this way, and which will come in and probably be in demand for breeding stock a year hence.

The chief factor in many cases is, however, financial. Some of the larger breeders can withstand the strain, in that they have money reserves enabling them to carry over and wait for future sales. In the case of the multitudes of

smaller breeders, whether the poultry provide merely a part of the income or forms the main source, it is not so simple. The question is, can these find outlets for their stock at more than the killing value? What must be remembered is that in the hands of these breeders are scores of thousands of fowls and other poultry which are valuable in the extreme as breeding stock, and that at the same time the need for extension of poultry-keeping with a view to increased production was never so great as now. It would be nationally disastrous if these birds were killed and eaten for the sake of their flesh.

In consequence of the position referred to above, I am endeavoring to see whether some steps cannot be taken which would at once preserve the great mass of young stock poultry, securing their distribution to farmers and others, and also help to tide over the time of difficulty a large number of breeders who in the past have rendered important service to the poultry industry of this country. It is satisfactory to be able to say that the efforts of the Board of Agriculture and the press have already made themselves felt in the direction of inducing many to commence to keep fowls that have not hitherto done so, and it is to be hoped that by the distribution of leaflets, issued by the board to meet the present position of affairs, and the publicity given in the newspapers, farmers will realize the importance of extended operations.

I am not without hope, therefore, that much more will be done in this way, and would urge that all who have any influence will do their share. Judicious distribution of the leaflets referred to, which will be supplied if application is made to the secretary of the Board of Agriculture and Fisheries, 4 Whitehall place, London, S. W., free of cost, would do much to creat a demand for breeding stock. It is not too much to say that if farmers and others would rise to their opportunities the whole of the breeding stock which is for disposal could be readily absorbed, and form a basis for a vast improvement and increase of egg and poultry production in this country.

To summarize the position it is submitted that:

(1) All who are mainly concerned in production—that is, in supplying eggs or fowls for market—should retain as many pullets as they possibly can in this way. Foodstuffs are by no means so dear as had been anticipated, and prices of eggs, at any rate, are likely to leave a considerable margin of profit. In view of the importance of the food supply, I have no hesitation in making the above suggestion; and

(2) With respect to poultry breeders, it is not so easy to advise. What can be safely urged, however, is that they should continue to act as in previous years, and take the usual steps for securing a demand for their stock. "Wait and see" is the safe policy. The nation has to be fed, and in so far as poultry are concerned there must be a great development of the industry within the confines of the United Kingdom.

WAR AND THE POULTRY INDUSTRY.

HEREWITH is an optimistic editorial from *The Australian Hen and Kennel Gazette* that some of our own poultrykeepers may profit by reading. It is a good time to boost home business in poultry and eggs as well as along other lines:

"There is an old proverb which says, 'It's an ill wind that blows nobody good.' The poultry farmers of Australia will be realizing the truth of this saying for the next two or three years. The knowing ones are already buying extra incubators and mating up more stock to produce poultry for table purposes in the hope that high prices will rule in the near future. Those that have not already decided to do this should not delay a day before giving this their serious business consideration. The principal poultry producing countries of the world are now at war, and the production of poultry and eggs in these countries must suffer severely for at least two seasons. France, Russia, and Belgium are great poultry raising countries, and each contribute largely to the English market. The value of poultry products sent to England by these countries yearly runs into millions sterling.

"During the period of war all the available stock will be used up for food purposes, and very little hatching will be done, and next year these countries will be importing from Italy, Denmark, and the surrounding countries. England must

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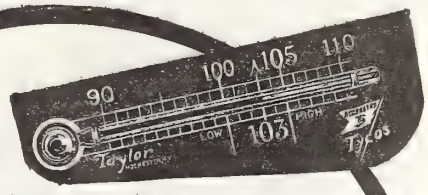


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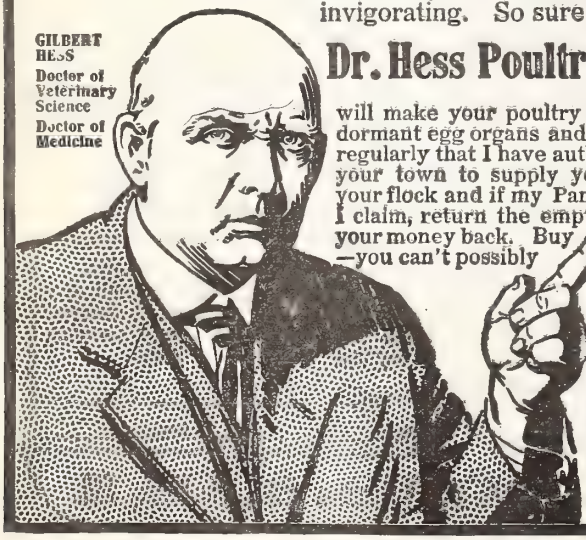
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depend upon Australia for her imports in this direction. America has barely enough for her own use at the present time. Canadian exports of poultry are falling off yearly, and last year she had very little to spare. South Africa cannot supply her local demand, therefore Australia and New Zealand should be exporting eggs and poultry for the next two years at least to England at a price that should allow a fair margin of profit to the raisers. In the event of an early termination of the war the shortage will be severely felt, and if we do not export eggs and poultry, we shall be getting high prices here for the products. The price of meat will be so high owing to the amount that is bound to be exported next year, or even in a few months' time, that the price of eggs and poultry here will be higher than ever before. Foodstuffs will be high certainly, but pollard and bran should not rise much higher than at present. If we have a good wheat harvest the mills will have to get busy here, grinding flour and exporting same, and all mill offal should be reasonable. The price of maize will not be altered to a great extent, and oats can be fed more than is at present the case to counteract the higher price of wheat that we may expect. Our advice to the poultry man is to hang on to the stock, and hatch all that is possible, both for table and egg production purposes. Australia will benefit by the present great struggle, and the poultry farmer will get his share of the spoils of war."

WAR TIME NOTES ON POULTRY FEEDING

(From Special Leaflet No. 2, Board of Agriculture and Fisheries, London, England. September, 1914.)

THERE is always a danger at a time like the present, when poultry feeding stuffs are in greater demand for other purposes, and are consequently high in price, that many poultry-keepers may be disposed to decrease the size of their flocks and restrict their operations in this direction. **Such action would be against the best interests of both the individual and the nation,** since the greater the amount of human food produced in this country the stronger will be our position.

By making use of coarser foods than are usually employed the cost of feeding can be considerably reduced, whereas the yield need not fall off to any appreciable extent.

At the present time of year, with the hay and corn harvests over, there is no reason why on farms all poultry should not be kept out on the land. Under such conditions the birds will be able to forage for a very large amount of the necessary food, food that would otherwise be wasted. With all poultry-keepers the first consideration should be to distribute the birds over the land as far as possible. This can only be done as a general rule on medium-sized holdings and farms; allotment holders and backyard poultry-keepers are handicapped in this direction. Those who cultivate only a limited area of ground should make up for this by growing as much food for their fowls as possible.

Of the usual feeding stuffs, a number are now high in price, and until the demand in other directions decreases they may have to be omitted from the list of poultry foods, or be used only to a limited extent.

For many years wheat and its products have formed the principal basis of feeding, but for some time to come it will be necessary to curtail the use of these foods. Even foods not required for human consumption, such as bran and middlings or toppings, may be out of the reach of many poultry-keepers. To a lesser extent they may also have to dispense with oats and barley.

There is a large quantity of maize on the market. Though this is not an ideal

poultry food, it will have to be used in larger proportions than heretofore. A number of smaller grains, such as dari, Manchurian millet, kaffir corn, buckwheat and rice have not been seriously affected in price, and all are eminently suitable for poultry feeding.

The soft mash is a necessary part of the diet, and there is considerable difficulty in making up a mixture without barley meal, middlings or bran, since these are usually the chief ingredients. In place of these foods, however, a larger quantity of vegetables can be given, together with steamed hay and clover hay chaff. It is in this direction that crops grown by the small occupier can be utilized. Lucerne, cabbages, turnip tops, kale, roots of every kind, with the exception of potatoes, can all be turned to good account. The last named, if available, must be cooked. Green food can be fed either raw or cooked, and in the circumstances about one-half should be given in each form. If the supply of garden produce is limited such natural crops as nettles and grass may be substituted. When these are used they should be steamed for about half an hour and added to the soft mash.

Other substances that can be added



Unretouched photo of Barred Plymouth Rock pullet, which clearly shows the quality of stock produced by S. N. Tremper, Sandwich, Ill.

to the ration are brewers' grains, malt combs, spent hops, and yeast. The two first may be given as one-third of the soft mash, the last mentioned as one-fifth. These substances are bulky, and therefore rather more concentrated foods must be mixed with them. For the soft mash soaked whole grains may be added, and a small quantity of middlings should be used to bind the whole together into a crumbly state.

Silage is not often used for feeding poultry, but it has been employed with excellent results and is worth the attention of large poultry farmers. In feeding silage to poultry it has been found best to add 25 per cent of whole grains. For this purpose any of the grain foods mentioned above may be used. Silage can be fed in place of the ordinary soft mash, with some middlings added to make it crumbly.

Animal food is required by the birds, and there is no better or cheaper way to feed this substance than in the form of soured skim milk or butter milk. Whenever these can be obtained they should be fed largely. They may preferably be mixed with the mash or may be given in a liquid state in drinking fountains. In place of these, refuse from slaughter houses may also be employed, the blood and intestines being the most valuable.

Household scraps can be used successfully by adding them to the soft mash, but it must be remembered that they are generally composed of fattening substances. The supply is more or less limited, and therefore endeavors should be made to procure a supply from hotels, institutions, etc. They can usually be obtained for a nominal sum.

Since ordinary meals must be largely dispensed with, the ration will be on the bulky side, and hence special precautions should be taken to overcome any bad effects. Exercise is essential, and is best ensured by burying corn or seed in the litter of the house, thus inducing the birds to scratch for it. The aim should be to keep the fowls actively hungry all day, giving them the largest meal about an hour before they go to roost. By adopting a plan of this kind every ounce of food consumed will be utilized, and there will be no waste due to the birds storing up an excess of fat.

Feeding poultry will be rather more expensive than has been the case during recent years, and therefore great care

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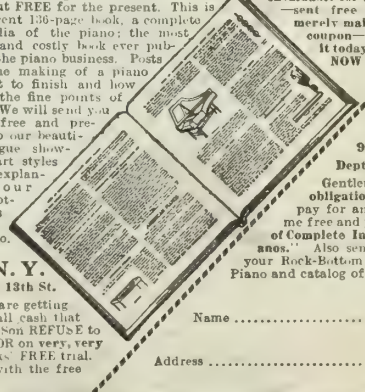
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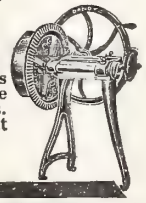
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should be taken to ensure that nothing is wasted. Food given should be supplemental to that which fowls can obtain by foraging.

All mashes should be fed in troughs, and only sufficient be given to satisfy the birds. Grain, except when buried in the litter, should be given in the same way. All foods should be stored in rat-and-mouse-proof bins or boxes, since these vermin cause great loss, not only consuming large quantities but spoiling a great deal more than they eat.

It is not possible to make any radical changes in the feeding of chickens, but a larger amount of green food may be employed, and the young birds should be given as much liberty as possible. Arable land is rather better for this purpose than pasture, since it usually provides much more natural food, which is excellent for the chickens and reduces the cost of feeding very considerably.

BLACKHEAD, ITS CAUSE AND PREVENTION.

Food Nourishes or Poisons, According to the Condition and Length of Time It Remains in the Intestines—Food Decay Is as Dangerous in the Intestines as Food Decayed Before Eating.

BY MRS. D. A. FARWELL, HOUGHTON, N. Y.

STATISTICS tell us that throughout this great country of ours there is but one turkey produced for each fifteen inhabitants. It is not from lack of demand that such shortage exists. Neither is it from lack of profit derived from raising this fowl. The scarcity of turkeys is due to the fact that their nature is so little understood that most people make a failure of the business when it comes to raising them and give it up after a year or two of unsuccessful attempts.

Selection of the breeders may seem to some a matter of small importance. Yet no one, on taking thought, will fail to see that this is one of the most important matters relative to any kind of reproduction.

Blackhead (or entero-hepatitis) is usually brought about by weak breeding stock or careless management. None of our domestic poultry decreases in size and vitality to the extent that the turkey does under careless management. Therefore, the greatest care must be exercised in the selection of the breeding stock. If a turkey has ever been ailing and an apparent cure has been brought about, such a bird should never be used or sold as a breeder, as disease is sure to assert itself sooner or later, usually after being transmitted to the offspring, and making its presence known through several generations.

Blackhead is a liver disease which affects turkeys in many different forms, but it is possible to breed turkeys free from this disease. For more than fifteen years I have been breeding turkeys and by care in handling have entirely wiped the disease out of my flocks, though I have yet to find a cure. Prevention is the only reliable remedy to date.

Food nourishes or poisons, according to the condition and length of time it remains in the bowels. If the digestive organs are overcrowded, or overloaded and unable to perform their functions properly, part of this food decays before it can be digested and is as dangerous to health as food decayed before eaten. The system becomes clogged with

the resulting impurities which are carried by the blood circulation to various parts of the body. The liver acts as a filter, and it is here the impurities and germs find a lodging place for speedy development. A certain portion of the poisonous matter is carried to other organs and in some cases the heart and lungs are involved. One lung will frequently be found entirely diseased and sometimes the heart floating in water in its sack.

I find there are more complaints in early autumn and spring than at any other time of the year. So we must take into consideration that the young turkeys, as a rule, have been fed by Mother Nature through the summer. Such food as they gather on the range is usually easy of digestion. Examine the gizzard of a young range turkey and it will be found as soft as that of a water fowl. The food for these green soft turkeys should be of a laxative, easily digestible nature—and fed sparingly. On range they do not overfeed. These facts are as important in the feeding of young turkeys as the rules for feeding infants. Take away modified milk from a babe and give it beefsteak and soggy biscuit, and with what result?

All grain given turkeys should be at least one year old, and absolutely free from mould. Oats should be fed in many different forms. I consider oats one of the best foods. Oats sprouts fed in late fall and winter are excellent. A variety is advised where possible. I do not feed corn to turkeys in any form, as it is subject to mould and green heart and I have been very successful raising turkeys since cutting out its use. It is not easy of digestion, at least where turkeys are concerned. I have slaughtered turkeys forty-eight hours after they were fed corn and found the grains still packed in the crop and gizzard.

My experience has taught me that a turkey should not be considered a walking apothecary shop and I have consequently long ago given up doping and trying to cure half dead birds. I kill every puny, ill looking subject immediately and burn the carcass. If any disease should break out in a flock, the weaker ones would be fit subjects to spread it, as disease finds all such easy prey, thus endangering good specimens. Most people are given to too much doping with themselves as well as their flocks.

A very grave danger lies in feeding heavy, undigestible, half mouldy food. Only the best bright, old, or seasoned grain should be fed; fresh greens, as picked up on range, and the bugs and worms which they will help themselves to. The birds must be kept free from lice, as anything that weakens a turkey is disastrous and must not be tolerated by the owner, if desirous of success.

I am frequently asked, which is the best breed of turkeys. The turkey is like any other fowl in that respect—there is no best, only as they please each individual's particular fancy. Once found, the breed best liked and that does the best for us, we should stick to it, as nothing is gained by changing.

In introducing new blood, care should be used in getting stock from localities where the climatic conditions are the same or nearly so as where they are going. It is a risk to attempt transplanting turkeys from the Southwest to the Northeast or any decided change in climate.

A great wrong done the buying public is that of sending out as breeders birds that are related. The result is bound to be disastrous. We should endeavor to cultivate a little honesty as well as the almighty dollar, and not be the cause of another's failure to raise turkeys.

There is no reason why good flocks of turkeys cannot be raised on the average farm if the breeders are non-related, care is exercised in feeding, and the birds are kept free from lice. Under such management there should be no bowel trouble or other ailment of any description. I have successfully raised eight hundred turkeys the past season by this method. As the unequaled American table bird, let us increase the present inadequate supply of turkeys.

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Closing out balance of my show stock. Cocks, $5, $8, $10 each. Cockerels, same. Hens and pullets, $1.50 to $5 each. S. C. W. LEGHORNS—D. W. Young strain long back cockerels, pullets, same.

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SEND FOR COMPLETE CATALOGUE—WE SAVE YOU MONEY

Questions and Answers

Conducted by
Prince T. Woods, M. D.

Windows in Monitor-Top of Open-Front House.

Q. I built a Woods' semi-monitor top open-front poultry house from plans published several years ago. We are having some trouble with the windows in the monitor top. They are hinged at the top to swing open into the house and are cased on the outside with one by two inch boards. During a rain the water beats in badly, although they fit well. We are much pleased with the house and if this defect can be remedied believe it will prove to be a very good house for this climate.

Holdredge, Neb. Mrs. J. H. L.

A. Fault is in the way the windows are put in. We do not recommend windows that open into the house. Put a good casing on the outside and hinge windows on outside at the top, so that windows will swing out away from the house like an awning. This will prevent storm beating in and in warm weather the windows can be left open without rain driving into the house. We either bolt windows on outside or put them on outside hinged at the top to open out. The hinged window is the most convenient and it can be made storm tight without much trouble.

Heavy Moult of Pullets.

Q. I bought 100-day-old chicks, White Plymouth Rocks, the 25th of last June. For some reason 33 of them died soon after arrival, it was very hot at the time and I thought the chicks were overheated on the way. Those that lived did fine. I never had any chicks that grew as well and they are beauties. They are now (Oct. 21st) shedding their feathers as though they were moulting. Every morning the floor under the roosts is white with feathers. What is the matter? What can I do to stop it? I want to make them lay some this winter. O. J. S.

Jamestown, N. Y.

A. There is nothing the matter; your birds are having an unusually heavy moult, that's all. The maturing young birds always moult their chicken feathers, but they do not always have so heavy and thorough a moult as has been the case with many flocks this season. Sometimes close housing and heavy feeding on a rich nitrogenous ration, after birds have been running all summer on open range, results in a heavy moult of the young stock. This season we believe that the unusual fall weather conditions were largely responsible for the heavy moult of young stock. Our young birds and fowls all had a very heavy moult this fall, some of the old birds were quite naked the last of October. There is only one thing to do and that is to keep the birds well fed on a variety of wholesome food, give plenty of fresh greens and good care. Ours have moulted out finely and were getting nicely down to business again in November and shelling out the eggs. Some of the pullets moulted as heavily as old hens. A few early pullets during the unusually mild weather of early November stole nests in the pine woods and became broody. The early part of November with us was like early summer, while in September and early October we had some sharp frosts, a few freezes in which the ground froze and some quite winter-like weather. Such unusual climatic conditions call for vigilance and good care of the flocks.

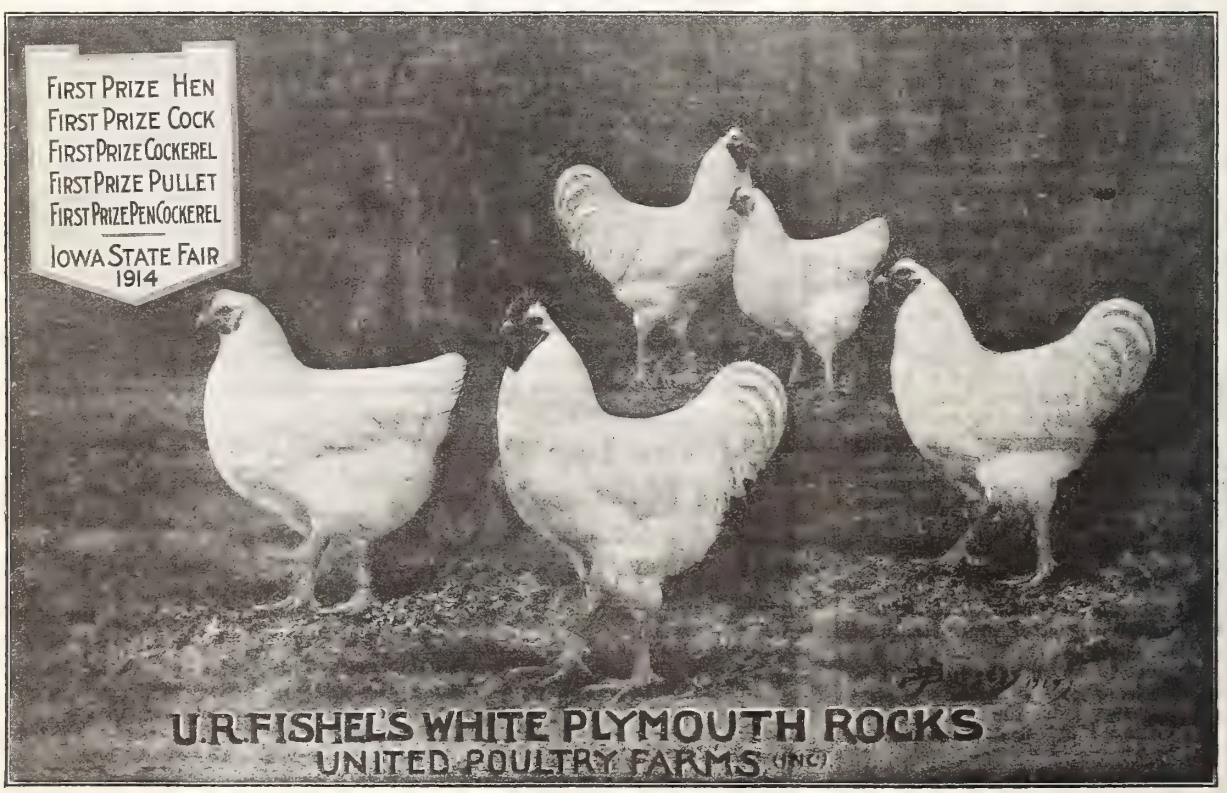
Scratch Feed.

Q. (1) How would you compound a scratch feed, to get the maximum size of eggs, from the following grains obtainable here:

Wheat, Early Barr	$3.00	per cwt.
Red Wheat	3.75	" "
Oats	3.00	" "
White Whole Corn	3.00	" "
Cracked Corn (not always obtainable)	3.15	" "
Milo Maize	2.85	" "
Kafir Corn	3.00	" "

I am inclined to believe that milo maize and kafir corn are not essential to the best scratch feeds; do you agree with me?

A. (1) We are not familiar with the variety of early wheat you name, at least not under that name. All grains vary a good deal with the season and with the *soil* (particularly) in which they are grown. Durum or macaroni wheat is one of the very best wheats for poultry



Made from retouched photos.

feeding. Where cost is about the same we prefer hard wheats to the softer varieties. The essential thing in any feeding grain is that it shall be sound, sweet and free from mustiness. There is a good deal of musty wheat now in our market. Just now we are getting a very good white wheat (rather full grained and soft) and a very good red wheat (fairly hard) at $2.25 per cwt.

For the scratch feed would, in your climate and with your high prices, use equal parts by weight of corn, wheat and oats for the scratch feed. It is not necessary to use cracked corn. At prices you quote would omit the milo maize and kafir corn. Do not consider them essential.

Q. (2) What type and dimensions of house for 100 layers would you build in a hot climate like this, where a cool house is the greatest consideration. The temperature seldom goes below freezing on a dozen nights in winter, but gets from 95 to 105 degrees in summer for three or four months. Would not want it so high as to make it cold and drafty on cold, windy nights in fall, and do not want to make it unduly expensive. Have considered the semi-monitor top house and a house 16x24 with two pitch sides of roof unequal. Chickens can run out about 364 days in the year.

Miami, Arizona. E. G. D.

A. The semi-monitor house without windows would make a cool house and not expensive. A hip-roof house with short reach of roof toward a high open front would make a comfortable house. A simple shed building with front and one side open (sides toward the prevailing cold winds closed) would serve you well. House need not be shingled or papered except on roof. All you need is a comfortable shelter for roosting and laying quarters. If a semi-monitor house would make it 20x20 ft. Other types, 16x24 ft. would serve.

Cut Green Bones and Beef Scrap.

Q. Will you please give the relative values of green bone (we grind the bones ourselves) at 50 cents a hundred and beef scrap at $3.25 or $3.50 per hundred, for egg production.

Fountain City, Tenn. J. S. S.

A. If you can get good, fresh, sweet bones from healthy animals at 50 cents a hundred pounds it is about equal to buying first quality beef scrap at $1.50 per hundred. The chief difficulty in feeding green cut bone is in getting a dependable supply and in feeding it out before it heats or spoils. There is always more or less danger of introducing disease into your flock by feeding green bone. Care must be taken to avoid feeding it too heavily and to avoid feeding spoiled or heated cut bone. At price you name, if good sweet beef and mutton bones are used, fresh ground as needed for feeding, it is a good cheap meat food. Don't feed green cut bone from diseased animals. Don't feed enough of it to keep the birds' bowels loose and watery.

Broken Macaroni.

Q. I recently sent to an advertiser of "broken cones and cracker crumbs for poultry" and received a sample of broken macaroni, quoted at $1.25 per hundred pounds. Is this macaroni good for chickens and would it pay to feed it?

South Bend, Ind. A. R.

A. We have never used it but believe it would prove a good food. Cracker crumbs are excellent. Broken macaroni at price quoted should make a good cheap food to take the place of part of the more expensive grain. Would try feeding it broken up to cracked corn size and would also use it boiled and mixed in mash. Now that grain is high it will be a good plan to try any similar wholesome low cost waste food products to help keep down the cost of egg production.

Feeding Egg Shells.

Q. Is it safe to feed fowls the shells of eggs that have been packed in water glass (sodium silicate)?

Indiana Subscriber.

A. We never tried it. We don't like to feed egg shells to our birds. One of the worst epidemics of fowl cholera we ever saw was started by feeding raw egg shells (from an unknown source).

For Early Broilers.

Q. I have handled poultry for several years but have never raised early

Whatglen S. C. Black Minorcas

MAKE A SWEEPING RECORD AT **NEW YORK STATE FAIR, 1914**

In a Monster Beauty Class of 125 Birds. The Best Known Lines in the Country Competing.

We Won Cocks 1-2-3; Hens 1-3-4; Cockerels 1-2-3; Pullets 1-2; Old Pen 2; Young Pen 2-3; Best Display, etc.

No record has been ever made that surpasses this in such competition. The answer is that our Black Minorcas are better than ever before. For sale now—300 choice hens at special prices. We also offer selected cocks and a fine lot of youngsters that can win for you. New catalogue October 1st, write for it.

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THE PERPETUAL POULTRY SILO--Grows Green Feed While You Wait

The First, the Original, the Pioneer of All Grain Sprouters. Built in six sizes, from ¼ bu. to 8 bu.; for a few hens to 1,000

The **Double Quick** originates and initiates—others imitate and appropriate. Fully 100 **Double Quicks** to every **half dozen** of all other kinds combined. Now in its **fourth** year—in use in **every** state and territory in the U. S.; in Canada and Mexico; in **eight** foreign countries; **thousands** have tested its value; many large poultry plants use from **one** to **five.**



"On Sept. 16, I ordered your No. 5, Double Quick Sprouter shipped to Maude L. Kaler, Columbia City, Ind. and this one is proving so satisfactory that she wants another one of the same size and therefore you will find draft in payment of this second sprouter."—Milo R. Meredith, Indianapolis, Ind.

"I ordered and received from you last fall one of your 5-tray Grain Sprouters. This works very satisfactory. I want one for 1,500 hens. I enclosed my check for your No. 6 Grain Sprouter."—E. A. Palmer, Providence, R. I.

"I am enclosing my check for **two more** of your No. 5, Double Quick Sprouters. The one I bought some weeks since, is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass.

Close-to-Nature Co.
38 Front St.
Colfax, Iowa

broilers. I want to start a machine about December 10 and have the following pens to choose eggs from: Partridge Wyandottes, 2-year cocks to pullets; cockerels to 2 and 3-year hens; 2-year cocks to 2 and 3-year hens. Partridge Wyandottes crossed on Orpington pullets and Barred Rocks crossed on Orpington pullets.

Have been advised that the Barred Rocks do not feather out soon enough and the Wyandotte eggs run low in fertility that early in the season. I know that the Wyandottes grow very fast when young.

Jeffersonville, Ind. G. E. G.

A. Would use eggs for hatching from all the pens. Expect that late November and early December eggs will hatch pretty well this season. Chicks from any of the matings mentioned, if breeders are in good condition, should give good chicks that will stand forcing well. The Wyandottes and Wyandotte crosses will probably make the quickest growing and plumpest broilers, and they should stand up well under forcing.

Sex in Guineas.

Editor A. P. J.—J. C. in October number asks how to tell males from females in Guinea Fowl. I have bred White African Guineas for fifteen years. You cannot tell positively by the call. The male often uses the call persistently used by the female which sounds like "potrack." The female when alarmed or excited uses the harsh nervous clicking attributed to the male.

The male is rather more heavy in comb and wattles, has a slightly thicker neck and legs and is often larger than the female. The male is more combative toward other fowls than the female. The White Guinea is more docile and less inclined to wander than the Pearl. They will roost with the other poultry and lay in the nests in the poultry house, and do not appear to object to having their eggs removed. Their flesh is white, delicate and gamey.

Montrose, Ill. W. E. Patterson.

Sprouting Oats.

Q. (1) How warm should oats be kept to sprout quickly in an oat sprouter and under what conditions?

A. (1) Trays of sprouter should be kept clean and free from mould. Oats should be first washed with warm water and then put to soak over night. Spread out in tray about an inch deep and keep moist, watering once a day. Keep sprouter in room where temperature is between 60 and 70 degrees.

Q. (2) I have a hen house built on rock and have no floor; what is the best I can use to put in, coal ashes or sand? On top of either I am going to use straw litter. How deep must the sand or coal ashes be to protect the hens from the cold rock?

A. (2) Use sand. Coal ashes will become damp. Have sand a little over an inch deep.

Q. (3) Will spraying the roosts and drop boards with kerosene, after they are cleaned, kill and prevent lice?

A. (3) No. Dissolve in the kerosene all it will take up (or about one pound to the gallon) of crude napthalene flakes. Put this on to roosts and drop boards in the early morning, (so that it will dry in before roosting time) and apply it with a broad paint brush. If used twice a month it is effective as a liquid lice killer and it will get rid of all mites. Don't allow fowls to roost on perches wet with kerosene or they may be seriously blistered.

Q. What food is best for young pullets to get them to laying?

Theresa, N. Y. G. A. D.

A. Put them on the regular laying

SILVER WYANDOTTES
THE BEAUTY & UTILITY BREED
THE BEST WINTER LAYERS
STOCK FOR SALE AT ALL TIMES
NO EGGS NOR BABY CHICKS
A. & E. TARBOX, BOX A, YORKVILLE, ILL.

Silver Campines

500 Improved Silver Campines for sale at prices that will be sure to please you.

Last winter our Campines were winners at Aurora, Ill. and St. Paul, Minn., winning 5-1sts, 3-2nds, 2-3rds, 2-4ths and 1-5th.

We have 1,000 of the best Silver Wyandottes that we have ever had to offer you. We can furnish you cocks, hens, cockerels and pullets fit to go in any show and at prices that are right for the quality of the birds. We can also furnish you with anything that you want from utility up to show stock. Remember that our birds are not only winners in the show room, but also in the egg laying contests. **A. & E. Tarbox**, Box A, **Yorkville, Ill.**

"SENSATION"

and RED PRINCE Strains of Rose and Single Comb Reds

Winners of **186 prizes** at New York, Boston and Providence, since December, 1909; including **31 firsts**, $50 cup for Display, Boston, 1912; Display New York, 1912-13, and **State Cup for Display for six successive years** at Providence, R. I.

SHOW BIRDS fit to win anywhere. Book orders at once and get first choice. **BARGAINS** in breeding stock after August 1st. **EGGS** at all seasons. **Stamp for Mating and Price List.**

RED FEATHER FARM, F. W. C. Almy, Prop. and Mgr., Box 100, **Tiverton 4 Corners, R. I.**

Crisp, Green, Tempting Hen Feed for 15 Cts. a Bu.
Make Hens Lay Most When Eggs Are Highest

Mar. 26, 1914.
"The Successful Grain Sprouter is all you claim for it. By feeding sprouted oats to my fowls I have been getting plenty of eggs all winter, while my neighbors having the same size flocks do not get *any* at all."
E. H. MENEFEE
Correctionville, Ia.

Mar. 4, 1914.
"I am well pleased with the Successful Grain Sprouter. It is certainly wonderful. Sprouts almost in one night."
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1374 E. 80th St.,
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HERE'S the way to solve the high cost of chicken feed problem! Here's the way to get the most eggs just at the time of year when you can get the most money for the eggs! Sprout grain. Get a "Successful" Sectional Grain Sprouter—the best grain sprouter made—the one that leads them all. It will make 3 bushels of tender, green, egg-making hen feed from 1 bushel of oats, wheat or rye. Sprouts grain in 24 hours. Then, gives you an inch of crisp, green, tempting sprouts every day after that. Such feed will simply *make* your hens lay when egg prices are highest. It will make early hatches possible. Make winter chicks grow fastest—reach marketable size sooner, when prices are highest. For proof, read the letters printed in this ad.

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Double steel walls. Metal trays. No wood to rot. Can't warp, shrink or swell. Prevents moulding of food so usual with wooden sprouters. Made with *large* glass doors. Made in sections—capacity from 50 to 600 hens. A wonderful money-saver and money maker for both little and big poultry raisers. You can start with just the size you need. Then your "Successful" Grain Sprouter can grow as your needs grow. Write at once for full details. For valuable booklet on proper care and feeding of chicks, ducks and turkeys 10c. Address

Des Moines Incubator Co., 561 3rd St., Des Moines, Iowa

ration for adult fowls. See article, "How to Get a Good Yield of Winter Eggs," in November A. P. J.

Chorea.

Q. I have a Partridge Wyandotte that is rather under size, wings slightly spread, body tilted forward and she is in a constant state of tremor. She eats well and seems otherwise happy. Do chickens ever have chorea? All the rest of my stock are healthy. Can you suggest a cause for condition of this bird?

Lemon City, Fla. A. P. R.

A. Chickens are subject to a variety of spasmodic disorders that may be classed under the term chorea. It is more common in young pullets than in male birds. Usually affects undersized, ill nourished specimens. Sometimes good sized, apparently healthy pullets are affected when beginning to lay. In well grown birds, otherwise apparently healthy, intestinal worms are a common cause. May in such specimens be caused by fright. Any intestinal irritation may result in spasmodic movement of muscles and trembling. Have noticed marked tendency to chorea in decoy ducks that have been shot over and have recovered from accidental injury. Had one that would lose control of its muscles and fall in a fit of tremor whenever startled by a loud noise or if otherwise badly frightened. Otherwise it appeared healthy. Disorder seems most common in late fall and early spring. In case of closely inbred and ill nourished chicks that have been stunted, we do not know of any treatment that will help them. Where the disorder is due to other disease or to intestinal parasites the remedy is to remove the cause. Bad air and overcrowding will predispose to this trouble. Well bred and well nourished fowls, having plenty of wholesome food and fresh air sleeping quarters are seldom affected; but may suffer temporary trouble through fright, injury, or intestinal parasites.

Aspergillosis.

Q. I have February hatched Rhode Island Red pullets. They have a good dry house but they get out in the wet. No drafts and no mites. They are good and fat and have red combs. One pullet seemed all right, was laying, ate her scratch food for breakfast. After that seemed to breathe heavy and at noon was dead. I cut her open and found that her crop was very soft, but the comb had turned very dark. Heart was covered with white spots and all through the



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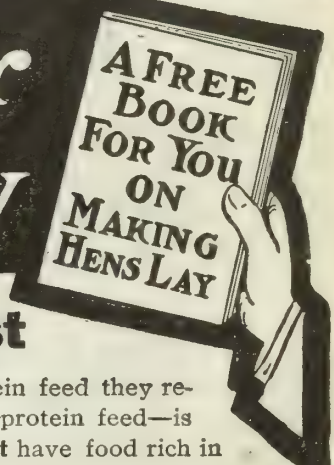
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When Eggs Are Worth Most

HENS relish juicy bugs and worms because these supply the protein feed they require to make eggs. The craving for meat and bone food—protein feed—is simply nature working out the egg-laying proclivity. Hens **must** have food rich in protein or egg-making elements, or it will be impossible for them to lay.

Our little book tells you all about the how and why of this. It makes you master of egg-getting. It's a book that opens up to you the real possibilities with poultry.

It's simply a matter of knowing what food to supply and how to prepare it. It is now established beyond all doubt that raw, green bone, with adhering meat and gristle, cut fine, is the ideal egg-producing food. Its cost is a mere trifle and its preparation is easy with a

Mann's Latest Model Bone Cutter

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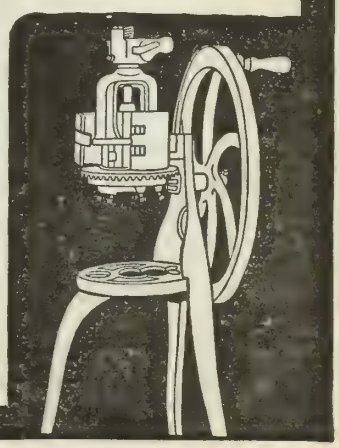
It turns easily and rapidly, cutting green bone, with adhering meat and gristle, wasting nothing.

Its self-governing feed automatically adapts the cutting to **your** strength, so that anyone can use it.

Its open, hinged cylinder is easily cleaned, and it takes in large bones. It is strong, durable, and requires few repairs. We want you to try one.

We will send you a Mann's Latest Model Bone Cutter on **10 Days' Free Trial**—no money down. If satisfied **after the trial,** buy it. If not, return it **at our expense.**

You want our good books, at any rate, send for them. We'll forward by return mail.



F. W. Mann Co., Box 56, Milford, Mass.

liver and intestines were white spots that looked like mould.

Portland, Ore. G. H. L.

A. Disease was probably aspergillosis, caused by parasitic fungi found in moulds. Mouldy litter, straw, forest leaves, sour swamp muck and mouldy, musty grain are the most common sources of this trouble. It only attacks susceptible individuals and quite commonly only a few are affected while the greater part of the flock escape. Sometimes where fowls range in dark, shady, swampy forest land or where ground of runs is very foul, or litter and grain is very musty and mouldy, a large number of birds will be affected. Treatment of affected cases does little or no good. The birds are usually sick for some time before disease is suspected. Prevent the trouble by avoiding the cause. As usually the disease is not noticed until the victim dies, the best plan is to burn the dead bird at once. Moulting birds exposed to cold fall rains are most commonly affected and the disease is more prevalent in cold wet weather. Prevent the disease by avoiding the cause.

Milk in Place of Beef Scrap.

Q. I have sixteen White Rock pullets mated with a 2-year-old cock. Would like a good ration made from following: Corn, oats, and wheat. Sprouted oats. Bran, middlings, corn meal, ground oats. They have range of a farm. How much milk should they get to take place of beef scrap? When will March and May hatched pullets lay?

Poplar Bluff, Mo. F. H.

A. Pullets should lay when six or seven months old. Mix your corn, wheat and oats about equal parts by weight at the start. After that vary the proportion according to the appetites of the birds and give them the most of the grain they prefer. Equal parts by weight of the ground foodstuffs will make a good mash. Wet it up with sweet milk. In using sour milk make it into curd cheese by first heating the sour milk and then squeezing out the whey. Would not feed the whey to the birds but they can have an allowance of the curd cheese daily. Feed the sprouted oats at noon in winter when fresh greens can not be had. We do not think that milk will take the place of beef scraps but with good farm range, milk fed as above will give very good results.

Grain Prices.

Q. Grain has been a little cheaper this first week in November than it has been all the fall; would you advise putting in a winter's supply?

Massachusetts Subscriber.

A. That is a difficult question to answer. It is reasonable to suppose that we may have quite a little fluctuation in grain prices. A great deal of grain is being shipped out of the country. At the present writing (November 10th) grain is more nearly normal in price with us than it has been for some time. We do not believe it will be much cheaper and if you have a good place to store it, you will probably be wise to put in such supply of good grain at reasonable prices as you can; enough to carry you through the winter. If you can get good sound old grain, you will do well to get a supply to grind up for chick food in the spring. Be sure to have a proper place to store it and to



ONE GALLON
$1.50 Post Paid.

KILLS LICE—CLEANSES—PURIFIES—DISINFECTS—NO NAPTHA—NO GASOLINE—NO BURNS—NO POISON

One gallon of this famous antiseptic, disinfectant and lice killer—ZENOLEUM—making two barrels or 100 gallons of solution, sent parcel post $1.50. SAVE YOUR POULTRY. Give them a chance to produce. Use Zenoleum. Recommended by the leading writers and authorities. Also by 50 State Agricultural Colleges and the leading poultry fanciers of the world.

Gallon $1.50, Quart 50c, Small Can 35c, parcel post paid. Zenoleum Lice Powder, Large Package, 35c delivered.

Send for free poultry life insurance policy.

THE ZENNER DISINFECTANT CO. 317 Lafayette Street, Detroit, Mich.

Not Only Big Hatches But a Better Average

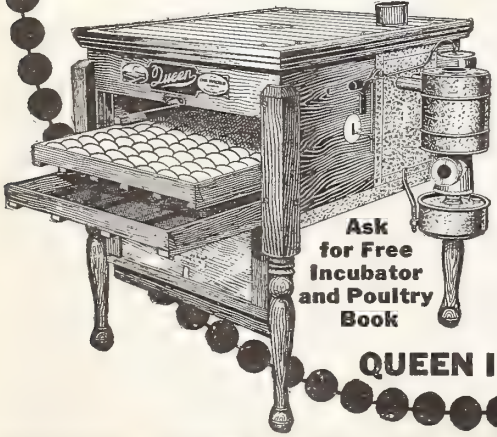


A large successful poultry man writes: "We bought one Queen incubator from you in 1908. **It worked so well** that the next year we ordered 6. When we established our large hatchery in 1911, we ordered 23 more of the same size, (360-egg.) This spring we bought 10 of the Ranch size. Queen incubators turn out a better average hatch than any other make we have ever used, **producing stronger chicks.**"

QUEEN INCUBATORS

Built to Hatch Without Trouble

I'll Save You Money On a GOOD Hatcher



Are the choice of good poultrymen, as they are honestly built of good material. If you take your poultry business seriously you can't afford to be without them. Valuable improvements on the 1915 model, including **enlarged heater jacket,** to save oil, **drain valve** and **expansion tank.** You can sleep when you use a Queen as it never sleeps on the job.

Geo. E. Haynes, Hyde Park, Toledo, O., writes: "I hatched about 1000 in my Queens this season. I have used 4 other makes, but the Queen beats them all. I consider it the **best at any price,** and results prove it. Hatches at least 10% better than the best of the others. I outhatched every machine in the neighborhood every time, and averaged a good 85% for the season, while others were pleased to get 50 to 70% and very few got over 60% hatches."

C. F. Dunderdale, Fulford, Fla., writes: "I have used nearly all of the prominent makes, both hot water and hot air systems, and have found the **Queen superior to them all,** both as regards steadiness of temperature and large percentage of hatch. Have run a 360-egg Queen the whole season without changing the regulator, with no unnecessary bother outside of filling and trimming the lamp. It runs like a clock."

QUEEN INCUBATOR CO., 105 Bryan Ave., Lincoln, Neb.

protect it from rats. Rats can easily spoil all your chances of making a saving, by the damage they will do to an unprotected store of grain.

White Diarrhoea Stock.

Q. (1) Would it be advisable to hatch and rear chicks from healthy uninfected stock under hens infected with white diarrhoea, that had had bacillary white diarrhoea as chicks or had been in a flock with infected birds, provided such hens seemed healthy and were kept under sanitary conditions?

A. (1) It would not.

Q. (2) I have a cock bird that was mated last spring with infected hens. The greater part of the chicks hatched died of white diarrhoea. This year he was mated with uninfected hens and produced good healthy chicks. Could I mate him the coming spring to uninfected hens and get good results?

Mansfield, Conn. C. E. F.

A. (2) Probably, provided he is healthy and in good condition.

Single Combed Wyandottes.

Q. (1) I have some Wyandottes with single combs; would you advise me to put them in my breeding pen?

A. (1) No. Keep the pullets for laying if you wish, but don't breed single comb sports.

Q. (2) Will they allow single comb Wyandottes in the laying contests?

A. (2) You will have to ask the persons in charge of the contests.

Q. (3) How old should a male bird be before he is used for breeding?

A. (3) One year.

Q. (4) How often should I take hens out of trap nests?

A. (4) When hen is ready to come out after laying. Visit the trap nests four or five times a day.

Q. (5) How long can I keep eggs before putting them in incubator?

A. (5) Not over three weeks. The fresher they are when set the better.

Q. (6) I paid $8 a setting for these eggs. Is it all right for some of the chickens to have single combs? They are from a heavy laying strain.

Kokomo, Ind. Subscriber.

A. (6) Wyandottes will throw some single comb sports, some strains are more liable to throw single combed chicks than others.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Know that you will regret to hear of the loss of eight (8) of my best birds through being smothered by the American Express Company en route to the Allentown Fair. Am going to give you the facts in the case so that if possible you can tell readers of AMERICAN POULTRY JOURNAL of this loss in order that all may understand why I will not be showing around at many of the big shows this year as I have done in the past.

The birds, twenty-nine of them, left Pennington at 7:37 a. m., in the cool of the morning, and did not arrive in Allentown, only seventy-eight railroad miles away, until 6:30 in the evening. In other words, they traveled at the speed of about eight miles per hour after express rates had been paid for. They were ten hours and fifty-three minutes on the road. The fault was not in the construction of the coops, for with the exception of the largest and best of them all, all had been to Allentown, Pa., twice before, Hagerstown twice, Warrenton, Va., twice, Chicago, Ill., once, Buffalo, N. Y., once, and Madison Square Garden once, and the big one had been to Warrenton, Va., once and Madison Square Garden once. They had never had a smothered bird in before. I have taken action against the American Express Company and will let you know the final results later.

And the birds lost were a loss to the whole Cornish fraternity. They included "John Bull," "Uncle Sam," "Lady Alice," "Helen," two birds which I had just imported at a good deal of risk on account of the unsettled conditions on the seas, and another cockerel and hen, the cockerel being pronounced by many as being the best Cornish that I had ever raised, and you know that I have raised a few. John W. Ward, Jr.

Pennington, N. J.

Editor AMERICAN POULTRY JOURNAL:

Dear Sir: Would say to Mr. John St. John that the later editions of the 1910 Standard has cut out the cutting for defects for down between the toes. I called attention of this difference to the standard makers and they fixed it so that down between the toes is a disqualification. I am glad that Mr. St. John feels that down between the toes should not disqualify what otherwise is the best bird in the class.

D. Lincoln Orr.

Orr's Mills, N. Y.

Eggs 12c per Dozen

By the CELEBRATED OCULUM METHOD (a recent discovery.)

"I was getting 20 eggs a day when I commenced the OCULUM METHOD, 3 weeks ago; today I got 300."

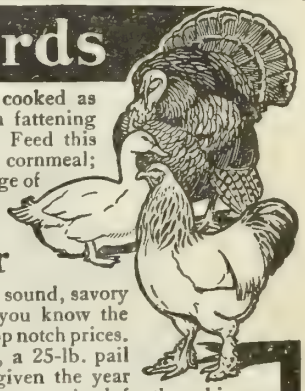
D. B. McNeil, Cunningham, W. Va.

Our BOOKLET tells you how. It's FREE.

H. I. Company Box B Salem, Va.

Read page 1412---do it right now! HURRY UP!!

Choice Juicy Birds



A nicely fattened chicken, tasty turkey or duck, cooked as only Mother knows how—now is the time to begin fattening for the holidays, when the folks all come home. Feed this mash: 10 lbs. ground hulled oats or barley; 10 lbs. cornmeal; 5 lbs. middlings and one-fourth of a 50-cent package of

Pratts Poultry Regulator

and watch them gain. It makes plump birds with sound, savory flesh that cooks so tender it just "falls apart"—you know the kind. Or, if you have birds for the market they bring top notch prices.

Buy a 4-lb. package at 50 cents, or, better yet, a 25-lb. pail at $2.50. Pratts Poultry Regulator should be given the year round. If you try it and do not like it, your money comes back for the asking. That is true of everything with the Pratt Label.

48

Pratts Roup Remedy (tablets or powder) cures Roup and Colds, and keeps the well birds well—the one unfailing remedy. Keep on hand and be prepared. Two sizes, 25c. and 50c.

Pratts Poultry Disinfectant kills Lice and Mites, is easy to use. It destroys unhealthy odors and keeps the poultry house sweet and clean; only $1.00 a gallon can, 60c. a half gallon, 35c. a quart.

Remember when you buy Pratts at any of our 40,000 dealers, the guaranty to satisfy, or your money back, always goes with it.

PRATT FOOD CO. Philadelphia Chicago Toronto

Ironclad

TRADE MARK

Wins in the Two BIGGEST HATCHING Contests Ever Held

Why take chances with untried machines when for only $10 we guarantee to deliver safely, all freight charges paid (East of Rockies), BOTH of these big prize winning machines fully equipped, set up ready for use? Why not own an **IRONCLAD** — the incubator that has for two years in succession won the **greatest hatching contest ever held?** In the last contest conducted by Missouri Valley Farmer and Nebraska Farm Journal, 2,000 Machines were entered including practically every make, style and price. With 140-egg Ironclad — the same machine we offer with Brooder freight paid, for only $10, Mrs. C. F. Merrick, Lockney, Texas, hatched 148 chicks from 148 eggs in the last contest.



140 EGG

Ironclads are not covered with cheap tin or other thin metal and painted like some do to cover up poor quality of material. Ironclads are shipped in the Natural color—you can see exactly what you are getting. Don't class this big, all metal covered, dependable hatcher with cheaply constructed machines—and don't buy any incubator until you know what it is made of. Note these Ironclad specifications: Genuine California Redwood, triple walls, asbestos lining, galvanized iron covering, galvanized iron legs, large egg tray, extra deep chick nursery — hot water top heat, copper tanks and boiler, self regulator, Tycos Thermometer, glass in door, set up complete ready for use and many other special advantages fully explained in Free Catalog. Write for it TODAY or order direct from this advertisement.

Galvanized Iron
Asbestos
Redwood
Insulated Board
10-Year Guarantee

Both for $10 Freight Paid East of Rockies

30 Days Free Trial

Money Back if not Satisfied



140 Chick Brooder

IRONCLAD INCUBATOR COMPANY, Box 49, RACINE, WIS.

HERE'S REAL NEWS

EXPERIMENTS CONFIRM HALL INCUBATOR SUPREMACY

The Science of Hatching Chicks Right Simplified by the Hall Mammoth Incubator.

HEAT SELF-CONTROLLING

Never Before Has the Hen Been So Perfectly Duplicated.

EVERY DETAIL OF THE HALL MAMMOTH INCUBATOR PERFECT

Nothing Left to Supposition. Extensive Tests Prove it the Greatest Rival of the Hen.

Big Poultry Raisers Congratulate Hall Company.

NEW HALL MAMMOTH INCUBATOR MARVELOUS

Beyond Question It Has More Intelligence Than Any Hen That Ever Lived.

EXPERTS HOLD DISCUSSION

Vote Hall Mammoth Incubator Co. the Most Progressive Organization in the Poultry Equipment Business.

THERE IS SECURITY IN HALL EQUIPMENTS



THE 1915 MODEL HAL
NOW READY FOR

Day after day, week after
almost a year now, we have
out if it was possible to imp

We had the greatest poultry raising exper
bators and incubation; our heating and mech
edge and their experiments.

The Hall principle as established in 1896
tion and experiments simply confirmed it, but

As a result of these researches, opinions a
(or operation) were discovered and applied; t

Former models of Hall Mammoth Incu
even approached by any other make; the findi
seemingly unimportant features that could be
into so minutely as to solve the consequences

The result is, the buying of a Hall Mamm
bond—you invest knowing you are buying a
greater value than offered anywhere, elsewhere

BEAR IN MIND THESE FACTS

The Hall was the original Mammoth Incubator and the orig
principles are still retained, unaltered.

It has always been the standard. And it is so far ahead of
other machine that there is no comparison.

Our 1915 model is positively accident and fool proof heat
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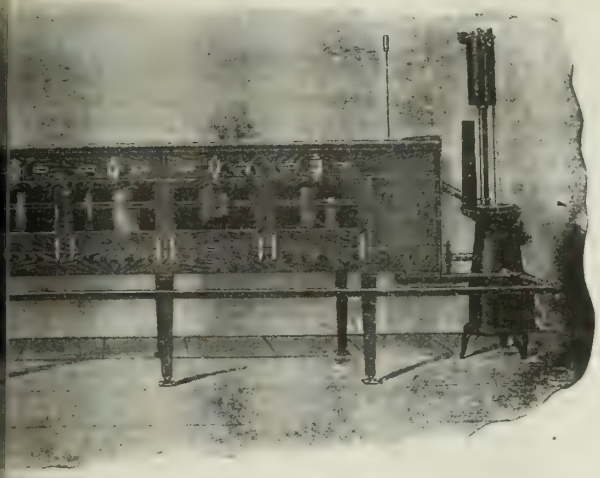
It is mechanically regulated at the source of heat and cannot go wr

Ventilation and humidity in the compartments are maintaine
an inexorable law of nature.

THE HALL MAMMOT

LITTLE FALLS

OR POULTRY RAISERS



MMOTH INCUBATOR
DIATE SHIPMENT

month after month, for
d an investigation to find
Hall Mammoth Incubator.

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lemonstrated the correct principle; investiga-

ents, certain refinements in mechanical action
our 1915 Model, Hall Mammoth Incubator.
correct—they are unequalled, or rather, not
experts we employed simply brought to light
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nts in their construction and adaptation.
tor is like buying a United States Government
curity—and that you are certain of receiving
how loudly they may blow their own horns.

SEND TODAY FOR THIS MANUAL

t this space is too limited to even attempt to set forth the really erful 1915 Hall Mammoth Incubator. And as we write this tisement the printer has our new catalog well under way and you to yourself to send for this interesting book on hatching eggs.

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CUBATOR COMPANY
NEW YORK

IMPROVEMENTS KEPT SECRET

Impression of Trade Was That Hall Co. Was Resting On Their Laurels.

NO ONE OUTSIDE KNEW OF EXPERIMENTS

For Over a Year Experts Have Been At Work On Details.

POULTRY RAISERS GET SURPRISE

New Hall Mammoth Incubator Assures Better Chicks and More of Them.

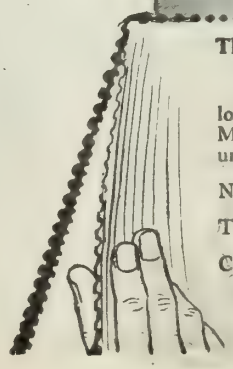
Long Lived, Healthy Birds Their Motto.

POULTRY RAISERS JUBILANT

Record Hatches for Hall Mammoth Incubator.

MEANS GREATER PROFITS THAN EVER BEFORE.

No Other Incubator Hatches So High a Percentage of Eggs.



The Hall Mammoth Incubator Co.,
Little Falls, N. Y.

Gentlemen — Kindly send to address below your new and valuable "Poultrymans' Manual No. 1-D." It is understood this puts me under no obligation whatsoever.

Name .....

Town .....

County .....

R. F. D. .....

State .....

HERE'S REAL NEWS FOR POULTRY RAISERS

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THERE IS SECURITY IN HALL EQUIPMENTS



THE 1915 MODEL HALL MAMMOTH INCUBATOR NOW READY FOR IMMEDIATE SHIPMENT

Day after day, week after week and month after month, for almost a year now, we have conducted an investigation to find out if it was possible to improve the Hall Mammoth Incubator.

We had the greatest poultry raising experts in the country pass opinions upon every phase of incubators and incubation; our heating and mechanical engineers checked these opinions with their knowledge and their experiments.

The Hall principle as established in 1896 was demonstrated the correct principle; investigation and experiments simply confirmed it, but—

As a result of these researches, opinions and experiments, certain refinements in mechanical action (or operation) were discovered and applied; the result is our 1915 Model, Hall Mammoth Incubator.

Former models of Hall Mammoth Incubators were correct—they are unequalled, or rather, not even approached by any other make; the findings of the experts we employed simply brought to light seemingly unimportant features that could be refined and that no other manufacturer had ever delved into so minutely as to solve the consequences of refinements in their construction and adaptation.

The result is, the buying of a Hall Mammoth Incubator is like buying a United States Government bond—you invest knowing you are buying absolute security—and that you are certain of receiving greater value than offered anywhere, elsewhere, no matter how loudly they may blow their own horns.

BEAR IN MIND THESE FACTS

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But this space is too limited to even attempt to set forth the really wonderful 1915 Hall Mammoth Incubator. And as we write this advertisement the printer has our new catalog well under way and you owe it to yourself to send for this interesting book on hatching eggs.

It is not only a catalog of Hall equipment; it is a Poultrymans' Manual as well and contains information of value that should be in every Poultrymans' hands.

To be sure of receiving your copy simply tear out the coupon over here, sign your name and address and mail to us.

Don't forget—send for it *NOW*.

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LITTLE FALLS NEW YORK

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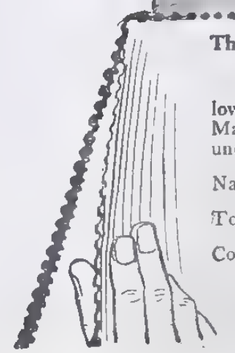
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R. F. D. .....

State .....

Home and the Table
Good Things for Everybody

Helen F. Woods, Editor

At Christmas when the heart is young,
The spirit eager to make glad
The lives and homes of countless sad
And sickened souls among,
Wait not for wealth. The Singing Heart
Makes merrie, by look, or lift, or word,
And helps to swell the volume
Of the sweetest music heard;
Radiates its gladness in the humblest
human's part.

THERE lingers in the minds of many people an idea that the chief essential for doing good lies in the possession of wealth, money being held up as the magic wand which calls forth all the best things of life.

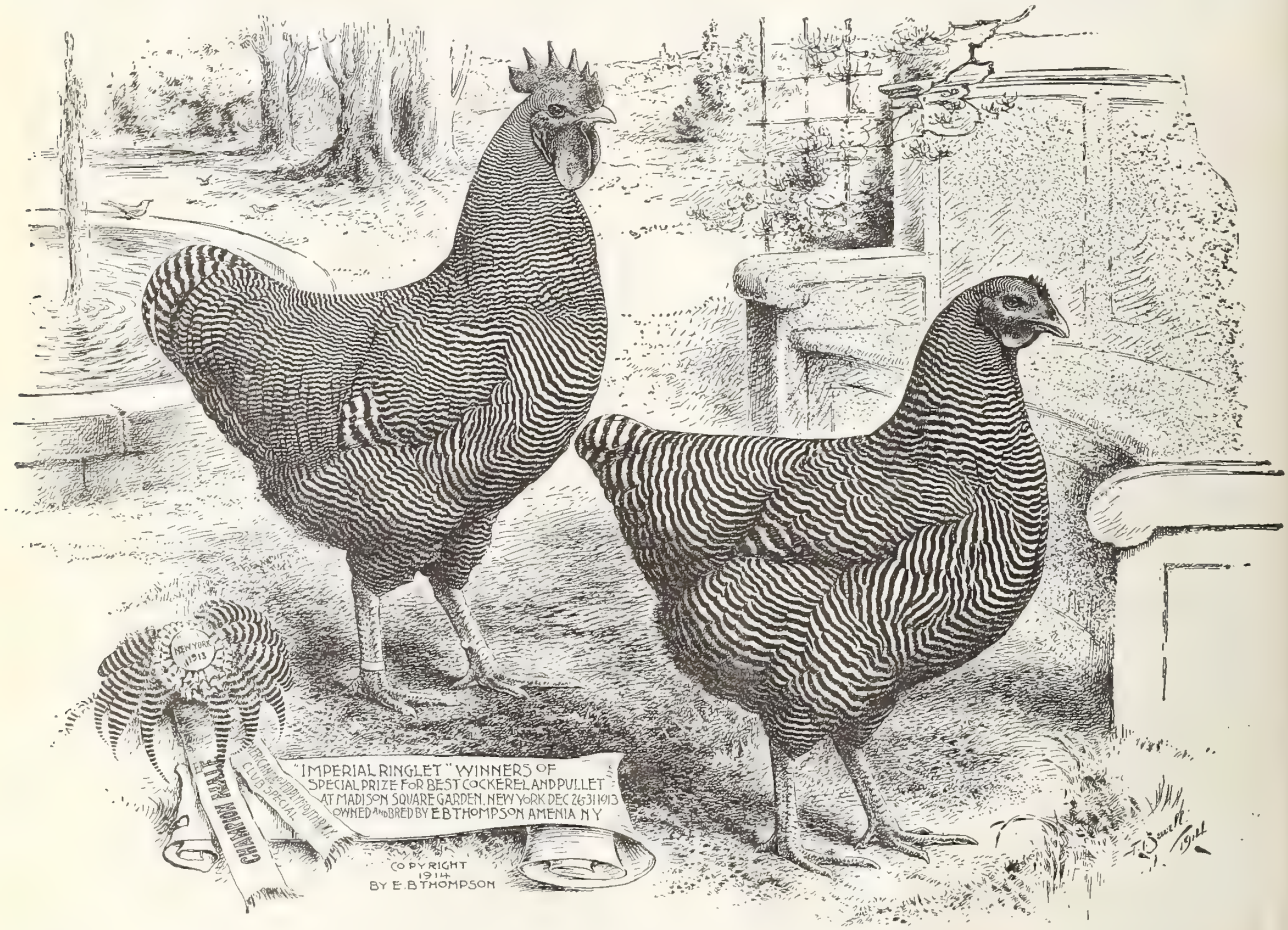
If you will but take note of the daily conversation about you, it will be made plainly evident that practically all of us base our ability for helpfulness upon the extent of our bank accounts, and if there is one thing more than another longed for in this world, it is wealth.

On the other hand, if you will cast about you in search of good works, genuine helpfulness and happiness, you will seldom find these things in the possession of people of wealth. They are never dispensed in special high priced packages but are well within the possibilities of the lowliest among us.

Have you ever met face to face a real Santa Claus? We all know that he exists, and is very busy at this season of the year, but have you ever had the good fortune to get into the inner portals of his Glad Shop? Once, I did. But in this instance, as is sometimes the case, Santa Claus happened to be a sweet faced, cheery voiced *young* woman, nearing four score years. Do not take exception to the young, my friends. Her mind was young and alert. Her hands were young and capable. Her feet were young and willing. Her heart was younger than all. She had the Singing Heart, which is the kind that can never grow old. Each year, she had lived, for —oh, many, many years, had been treasured as one more precious group of seasons in which to tune her heart a little more in accord with the human lives with which she came in contact, and her heart music had grown wonderfully sweet to all who were so favored as to hear it.

Her Santa Claus shop was small in size—as was she. Oh, no, she was not a millionaire—not in so far as money wealth was concerned. Counting wealth of good works, genuine helpfulness and happiness, probably no other has outclassed her. Her income in dollars and cents, perhaps, would not keep a modern debutante supplied with gloves and silk stockings but, as she had expressed it, "quite sufficient" for her needs.

When I made my visit to her wonderful shop, Christmas was only a few weeks away and her rooms were cheery with much preparation. I could not enumerate all the Christmassy things I saw there, but—there were bulbs that had been started weeks before and now soon to blossom, boxes of seed pods, gathered from summer blooms, and various packages of bulbs for spring



IMPERIAL "RINGLET" BARRED ROCKS.

Winners of Special Prize offered by the President of the American Barred Plymouth Rock Club for Best Cockerel and Pullet at Madison Square Garden, New York, winter 1913-14. These birds are owned, were bred and exhibited by E. B. Thompson, Amenia, N. Y., originator of the World Renowned "Ringlet" Strain of Barred Plymouth Rocks. The "Ringlets" have made many marvelous Prize Records at New York shows during the past 25 years.

planting; potted geraniums, especially the fragrant rose geranium, graced her windows, ready to be left with appreciative recipients "the night before"; boxes of doll's clothes—some made and some with patterns and cloth for little unskilled hands to work on; muslin scrap books, filled with really beautiful pictures clipped from papers and magazines, some pasted in, some left loose for the young artist to cultivate his ability in their arrangement; a helpful story clipped from an old magazine, mounted, and especially suited to cheer the unfortunate lot of the one to whom it was to be sent; a poem to yet another who through months of great tribulation, needed just these beautifully expressed thoughts to give her heart courage to go on. Here on the table was a calendar, made for a poor lumberman's wife, living miles from mankind's civilization, and with practically no literature to feed her mind's hunger. Every page of this unique gift bore a gem of thought, a real "heart throb," and sometimes there were attractive little sketches cut from magazines, and suitable to the text. No traveler, however weary or discouraged could fail to gain inspiration, and the determination to keep on trying, from the gems of these three hundred and sixty-five pages of this remarkable gift.

And the dolls! They were really the most squeezeable, wantable dolls. Any little make-believe Mother would have the Singing Heart on the morning of the anniversary of the day when the Christ was born if she could find one of these peeping from the top of her stocking. Oh, the treasure of a rag doll! Oh, the nights of hugging one in close embrace! It is really hard, my friends, for a child to have the Singing Heart who has never known the joys of having a plump, squeezeable rag doll to carry to bed of a winter night. The Santa Claus Lady told me so—and I know she spoke the truth.

There was much more in the shop. All kinds of knitted things—caps and mittens and woolen socks for a *young* gentleman with whom the Santa Claus Lady had gone to school years ago, down in farthermost Maine. He now had rheumatism, especially in his hand and feet but the music of a Singing Heart radiated from the cramped characters of a joy letter he had written her not long before. "You will notice," said the Santa Claus Lady, "that he clothes his wisdom in wit, and that the effect upon reading it is that of sheer joy, and you rejoice with him, being swayed and uplifted by the beauty of his heart melody."

"And to think," she went on, "that for a long time after the school days I had almost forgotten that I knew him, when, lo, one day he came bobbing up out of the mist of the past days, radiant with his wealth of years; and his letters have been a delight and inspiration ever since." Such letters they were! The writing so sort of cramped and jerky in outline that I guessed he had the rheumatism, and he came back admitting that I had guessed his secret—that it might be true that a woman could not keep a secret but it was equally true that you could not keep one from her! And anyone who has ever received such letters knows that writing them is about the best way of being Christmassy to friends at a distance. The week before I like to get off a great many and some of the replies are among my choicest possessions. We all need this Christmas season to bring us nearer to the heart of things. Think how it makes your heart sing to get a line from a friend whom you have not heard of, for a long, long time and who has been apparently swallowed up in mystery. One Christmas just such a thing came to me. We had been girl friends, and somehow through the boarding school years, and the early years of marriage which followed closely, and the child rearing years, I had forgotten this dark haired Miriam of my early youth. I say forgotten her, for consciously I no longer thought of her, or harbored her friendship. But tucked away in some little corner of my brain there were all manner of sweet memories of this delightful friend of my youth, and that needed but the few lines sent me from her faraway Western home to awaken, and waft their sweet fragrance around all the years to come. I had loved Miriam all these years but the distance and silence and cares of life had for the time being, not killed it, or lessened it, in any way, but rather kept it warm and close by the heart fires to be brought forth now in the best part of life, to be enjoyed.

"Oh, very surely, the letters are one of the best of Christmas things. And never make the mistake of losing sight of the old friends. Keep making old ones of the new ones, for an old friend-



Don't Be Without It

Moist Heat Makes Record Hatches

THE X RAY

You Want Big Hatches this year. Because this is going to be the most profitable year in the poultry business. Every chick counts for money. Every egg counts. *Don't take chances with the dry heat of old style machines.* You don't have to. That trouble is over forever for all poultrymen who use the famous

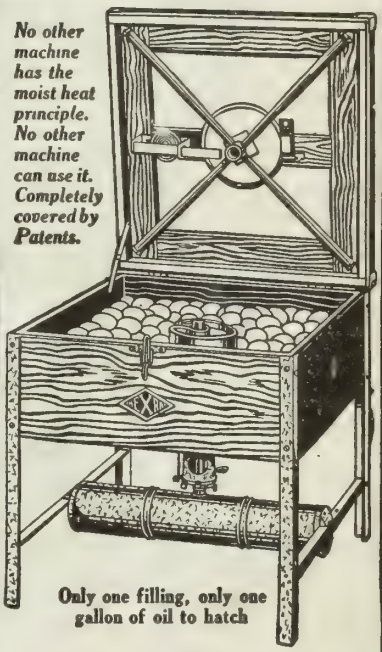
X-Ray Incubators

X-Ray Radiator and Vapor Generator produce natural moist heat just like the setting hen's. The most remarkable incubator improvement we have ever announced.

X-Ray Radiator
X-Ray Vapor Generator

X-Ray Incubators, equipped with this wonderful exclusive heating system, insure you against dead-in-the-shell chicks. Hatches the largest percentage, and because it is the *natural* heat, it makes good, strong, healthy chicks—the kind that thrive. The heat from the lamp underneath first strikes the *New X-Ray Vapor Generator*, thus giving rise to a mild moisture which pervades the whole egg chamber. The heat passes on to the X-Ray Radiator. The tapered tubes crossing at the top form the wonderful heating feature found in no other machine. The *heat from the radiator must pass through the moisture* from the vapor generator carrying the natural moisture to each egg.

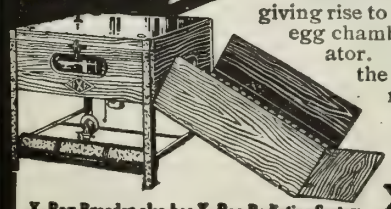
No other machine has the moist heat principle. No other machine can use it. Completely covered by Patents.



Only one filling, only one gallon of oil to hatch

Send for Free Book No. 10

Fifteen Special Exclusive X-Ray Features are described in our new book—the finest we ever published. We will send you our direct-to-you prices. *Freight prepaid.* No agents. Write today.



X-Ray Brooder also has X-Ray Radiating System

X-RAY INCUBATOR CO., Des Moines, Iowa

ship is one of God's rarest gifts."

This little Santa Claus Lady's shop is now closed, but her Singing Heart will keep on through the ages, helping to "swell the volume of the sweetest music heard" and the radiance of her presence will always be felt by those who knew and loved her.

The following Christmas suggestions contributed by our readers, are presented with the hope that we may all cultivate the Singing Heart.

Lady Baltimore Cake.

By R. T. M.

Sift three times, three and one-half cups of flour, one heaping teaspoonful cream of tartar, one-half teaspoonful soda, two cups of sugar. Melt one cup of butter and add to it one cup of sweet milk and mix with the sifted mixture. Fold in the stiffly beaten whites of six eggs and flavor with mace. Bake in three layers in tins about eight by twelve inches.

Pound Cakes.

By R. T. M.

Beat three-fourths of a pound of butter until light and creamy, and add to it, three-fourths of a pound of sugar, one pound of flour, the yolks of seven eggs beaten until lemon color, and the stiffly beaten whites of four eggs. Beat a few times, then butter a baking sheet or sheet of heavy white paper, flour it and spread thinly with the cake mixture, sprinkle a few blanched and sliced almonds, and thoroughly cleaned currants and sift sugar over these. Bake in a medium hot oven until light brown in color and cut into squares while warm.

Filling.

Boil three cups of granulated sugar with one cup of boiling water until it spins a thread when dropped from a spoon. Remove from the stove and pour slowly over the beaten whites of three eggs and beat until the proper consistency to spread. Add one cup chopped nut meats, one cup chopped raisins, flavor with vanilla and spread between the layers.

Delights.

By R. T. M.

Sift together one pound of flour and six ounces of sugar. Add a well beaten egg and three-fourths pound of soft butter. When well mixed, add also one-half cup sherry, which should make the dough about the consistency of putty. Place a lump of it in a shallow baking pan and press out as thin as possible with the fingers, flouring the hands frequently while doing so. Sift over the top a little powdered sugar and a pinch of ground cinnamon. Bake in moderately hot oven until a delicate golden brown. After removing from the oven, cut into oblongs with a sharp knife. When cold, serve with tea or coffee.

Chocolate Sweets.

By J. H. N.

Boil two cups of granulated sugar with one-half cup cream until it drops in a mass of bubbles from a spoon. Remove from the stove and add a teaspoonful of vanilla. Place the pan in a vessel of cold water and beat until firm enough to form into shapes. When formed, dip each one in melted chocolate and place a nut meat on top.

Cocoanut Cream Candy.

By J. H. N.

Boil three cups granulated sugar, scant half cup of water and half a teaspoonful of cream of tartar for ten minutes. Add a cup of shredded cocoanut, remove from the stove and flavor with vanilla. Beat for a minute and drop by teaspoon on white paper.

Peanut Brittle.

By J. H. N.

Boil two cups sugar and one-half cup of water for five minutes and add one half teaspoonful cream of tartar dissolved in a little cold water. Cook until it is brittle when dropped in cold water. Then add a teaspoonful of butter and cook a few minutes longer. Have nut meats spread over a large platter which has first been buttered and pour the brittle over these. Set away to cool.

Chocolate Caramels.

By J. H. N.

Put three cups of sugar, one cup of rich milk, a quarter of a cake of chocolate over the fire and allow to come to a boil, watching it carefully to prevent burning. When nearly done add a tablespoonful of butter. Test in cold water and when it can be handled in a lump,

"The Lifebuoy of Chickdom"

is what one enthusiastic Breeder calls the most complete, most efficient and most successful brooding equipment, and this is only one of hundreds of progressive breeders who know that the

Duplex Brooder Stove and Ventilator Combined

will not only raise more and better chicks, but will positively save 9-10 the labor and ¾ the expense. No more back-breaking work, heart-breaking losses and profit-smashing expense, if you install a Duplex. ***Sold on 30 Days' Free Trial and we pay the freight.***

OUR FREE BOOK gives fullest information regarding ***this thoroughly tested invention*** —Why experiment with something new? Enclose 10c when you write for Booklet and we will include our book on Winter Broilers and Plan for Ideal Brooder House. The catalog is free for the asking.

DUPLEX COLONY BROODER CO.
BOX 614, ROCKFORD, ILLINOIS

Quickness of Growth Marvelous!

To the Manufacturers of "The Lifebuoy of Chickdom": May 11, 1914.

Gentlemen:—I thought I would snatch a few seconds of my busy time to let you know of the success I am having with your stoves. In short I must say for the benefit of all poultry raisers—**You can't raise chicks successfully without a DUPLEX.** The losses are not worth mentioning—the health of the chicks surprising and the quickness of growth marvelous. The stove certainly does what you claim it would do. There is always sweet, fresh smelling air in the house, no oil fumes whatever are noticeable. The absence of chicks pasted up behind has even been noticeable to the many visitors on the place. One expression was 'A hen can't do as well.'

The consumption of oil in our latitude in March, we being hemmed in on four sides by high mountains, and quite cold. It took five days to empty the tank, but now fifteen gallons will run me close to six days which is very little considering the number of chicks we are brooding. I have close to five thousand at present. Some of my cockerels hatched March 29 weigh 12 ounces (six weeks old) have at this writing a hatch of 1934 fertile eggs coming off and will move the oldest of the chicks on the range.

Respectfully yours, Ridgedale Poultry Farm, West Virginia. Frank M. Spies, Mgr.



Buy Your GRAIN SPROUTER Now

Don't put it off any longer. This is going to be a hard winter for chickens not fed sprouted oats. From now on, for 4 months, snow will blanket the earth, the ground will be frozen or filled with snow-melted puddles and it will be practically impossible to get green stuff of any sort.

You know some green feed must be given chickens to secure best results. And the logical way to secure plenty of this nourishing, strengthening, vegetable feed at this time—**and cheaply**—is by means of the old reliable

A Reliance Grain Sprouter is as much a part of the equipment of a successful poultry farm as healthy fowl. Simply because it produces the kind of green feed that

—Increases Egg Production
—Fattens Pullets
—Keeps Fowl Healthy
—Cuts Down Feed Bill

Reliance Grain Sprouter



This machine can be **operated anywhere in the house,** continually producing bushels of juicy, tender sprouts **every day,** by simply starting trays a few hours apart.

If you want more eggs now **when prices are high,** start a Reliance Sprouter going at once.

Now Sold at Bargain Prices

Our No. 2 Reliance Sprouter, Guaranteed Capacity large enough for 100 hens. **Other sizes, $5.00, $8.50 and $11.50.** Order direct or send for literature, pictures and prices of our entire line. **$7.00**

This is the original **double sprouter** made by one of the **largest and best incubator factories in the world.** It has **better heating and ventilating system,** thus insuring sprouts free from mold. Besides, the front of the Reliance **contains more glass** which induces larger quantity of sprouts.

All shipments made on guarantee of satisfaction or money back. Sprouter comes complete, ready to run. **No extras to buy. Send Postal for Literature — or order direct from ad.**

Reliance Incubator Co., Dept. 23, Freeport, Ill.
Manufacturers of Grain Sprouters, Incubators and Brooders

pour in a flat, buttered dish and cut into squares as it cools.

Correction.

On page 1324 of the November Journal in the recipe for "Excellent Cake, by H. B.," the following mistake occurs: in the last line of the receipt which says, "put together with butter," it should read, "put together with butter frosting given below."

Believes in Open-Air Houses.

Portsmouth, Va., Sept. 18, 1914.
Editor AMERICAN POULTRY JOURNAL:

Have been reading Dr. Woods' articles on open-air poultry houses, published in AMERICAN POULTRY JOURNAL, with a great deal of interest, as I am a great believer in fresh air for poultry.

I am enclosing photo of a house in which I had eight White Plymouth Rock



Open-Front Poultry House used by J. W. Borum, Portsmouth, Va.

pullets last winter, and their records were as follows:

December, 1913, 188 eggs.
January, 1914, 189 eggs.
February, 1914, 175 eggs.
March, 1914, 174 eggs.
April 28, 1914, 148 eggs.
Total, 874 eggs.
Pullets sold.

The above record, I consider, a very good one and think plenty of fresh air with no drafts is conducive to a heavy egg yield.

When I started poultry keeping about three years ago I bought Dr. Woods' book, "Open Air Poultry Houses for All Climates," and all my houses have open fronts. It is a rare thing for me to have a case of sickness among my flocks.

With best wishes for a prosperous season, J. W. BORUM.

(Note.—We are glad to have this report and will welcome yours, Friend Reader. Let us know about your experience with poultry.—Editor A. P. J.)

A Letter From E. B. Thompson, President of the American Poultry Association, to Its Members.

If every one of you will each get the application of one new member during the month of December and send to Secretary S. T. Campbell, Mansfield, Ohio, you will do a loyal and splendid duty. The accomplishment of your united results in obtaining almost 6,000 new members will be a "New Year's present" to the American Poultry Association that every one of you will feel proud of and not soon forget.

The month of December, while the last month in the year, is the month of joy, for the reason that it has in it the week of the "Christmas holidays." I urge upon you to write Secretary Campbell at once for application blanks and let at least one of these be returned to him with a new member's name upon it before January 1, 1915.

The great association to which you belong will long remember the separate and collective New Year's gift of 6,000 new members that you can easily and quickly obtain. Every one of you knows that the larger our membership the more powerful our organization will grow to be and the more helpful good will come to every fancier and poultry breeder in the United States and Canada.

With compliments of the coming holiday season and wishing every one of you a happy New Year which will abound in prosperity, I remain Yours very truly,

E. B. Thompson.

100 Golden Wyandotte Cockerels 100

All select birds. High class breeders and exhibition. 12 years constant winning in best shows of this country. Write for full information and prices.
Old Homestead Farms, J. H. McDanell, Warsaw, Kentucky

ABERNETHY'S HOUDANS

There are none better, for beauty and utility. Winners at New York, Boston, Philadelphia and other leading shows. Stock of all kinds for sale. If you want Houdans of quality at moderate prices, write me.
JAS. ABERNETHY, HIGH STREET, WEST PEMBROKE, MAINE

Rogers & Muntz Leghorns Lead

Our S. C. White Leghorns are GUARANTEED to please and win at any show. If you want real WINNERS come to headquarters. Our prices are reasonable. 200 April hatched pullets, STARTING to LAY NOW, at $2 each. 150 May hatched pullets, ready to lay in three weeks, at $1.50 each. 100 choice yearling hens at $1.25 each. Good breeding cockerels, $3 each. Remember we guarantee all stock and ship on APPROVAL.
Rogers & Muntz, White Leghorn Farm, Elgin, Illinois

LEN RAWNSLEY CHAS. R. SHIELDS
Rawnsley-Shields Poultry Farm
Open the season by winning at the Great Hagerstown Show, Oct. 13th to 17th, 1914, on
BUFF ORPINGTONS
1st cock; 1st, 2d hen; 1st, 2d, 3d cockerel 1st, 2d pullet; 1st old and 1st young pens, champion male and champion female in Orpington classes; while our 1st Buff cockerel wins cup for the best bird in the entire show, 7514 birds competing. Write your wants please.
Station B, :-: Department 1 :-: Columbus, Ohio

Buy Our Stock And Make A Name For Yourself

Each Wilburtha bird comes from a race of conquerors—and blood tells, both in prizes and profits. When Wilburtha recently acquired the entire flock of S. C. White Leghorns from Dune Alpin Farm, Hampton, L. I., together with the man who bred them, much was added to her present reputation of having, and ably managing, "the best all-around strains of the best all-around breeds." Dune Alpin Leghorns are known the country over for their show and yard performances—and Wilburtha S. C. Buff Leghorns, Columbian Wyandottes and Columbian Plymouth Rocks enjoy the same reputation for their respective breeds. If you are looking for the best show stock of the best utility breeds in the country, at reasonable prices, you will find them at Wilburtha. But you must order early, to get the pick. Better write *at once* for full particulars.





Wilburtha POULTRY FARMS

CHARLES J. FISK
OWNER

BOX J
TRENTON JUNCTION
NEW JERSEY

16 Hens Bring $2,300.00

THAT'S what Director Quisenberry does at the Missouri Experiment Station farm. He will prepare you to handle poultry for real profits. No flub dub; no fads; intelligent common sense training. With this training you can harvest a dollar crop every day in the year regardless of the weather.



$1.00 Will Start You Toward Success "The Quisenberry Way"

No matter where you live, you can begin now to prepare for money making in the poultry business. Director Quisenberry and other noted poultrymen give you at first hand the facts about their methods.

Begin now at our low introductory rates, $1 down. The American School of Poultry Husbandry is the only exclusive poultry school in the world. Endorsed by the poultry press and by hundreds of students in 45 States, Canada and foreign countries.

Write for big illustrated book about Quisenberry's methods. It is free.
Write today.



The American School of Poultry Husbandry, Box A 51 Mountain Grove, Mo.
If You Are Not Satisfied You Get Your Money Back



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911

Opening Battles of 1914 Season Won

BY

OWEN FARMS BIRDS

AT

NEW YORK STATE FAIR

AND AT THE

GREAT ALLENTOWN FAIR

Buff Orpingtons

Syracuse—None shown.

Allentown—1st cock, 2d hen, 1st cockerel, 1st pullet, 1st and 2d pen, with six entries, and cup for BEST PEN in show any variety. Champion male and champion female.

White Orpingtons

Syracuse—1st cock, 1st and 2d hen, 1st and 2d pullet, 1st old pen, 1st young pen.

Allentown—1st hen, 1st cockerel, 1st, 2d and 3d pullet, 1st and 2d pen. Champion male and champion female.

White Plymouth Rocks

Syracuse—2d and 3d cock, 1st and 2d hen, 1st and 3d cockerel, 1st and 2d pullet, 1st old pen, 1st young pen, cup for TEN BEST BIRDS in show, cup for BEST TEN BIRDS in American class, cup for best 1914 YOUNGSTER in show.

Allentown—1st and 4th hen, 1st and 3d cockerel, 1st and 3d pen. 1st hen won two cups for BEST BIRD in class, all varieties competing. Champion male and champion female.

White Wyandottes

Syracuse—1st old pen, 2d young pen, 4th hen, 2d pullet, with six entries. My cock bird had not moulted a feather and could not compete with the specially moulted birds. My cockerel was much younger than the specially grown winners. I now have the finest Wyandotte cocks and cockerels I have ever seen and ready to win from this time on.

Allentown—None shown.

S. C. Rhode Island Reds

Syracuse—1st, 2d and 5th cockerel in a class of 32 cockerels.

Allentown—1st hen, 1st, 2d and 4th cockerel, 1st and 2d pen, cup for BEST RED in show won by 1st cockerel. Champion male and champion female.

26 out of a possible 44 firsts with two different strings of birds at the two highest quality fairs in all America.

Winter Shows

You now know very closely how your old birds will moult and how your young birds will develop. You will need to strengthen your string by buying a cock, hen, cockerel, pullet or pen. Why not make your winning certain by calling on my vast resources to help you out? Among my 6,000 carefully selected old and young birds are the **exact birds you need** to help you make a **sweeping victory.**

Utility Qualities

262 eggs in 290 consecutive days and 236 eggs in less than 300 consecutive days are two trapnest records reported by customers made by pullets grown here and sold by me. These unsolicited statements from my customers emphasize the utility qualities of my birds.

Breeding Stock

Carefully mated pens for breeding utility or show birds are now offered in all my varieties. Pens will be carefully selected by Mr. Davey or the writer, whose experience mating thoroughbred poultry covers 35 and 25 years respectively. If you want line-bred birds that lay, pay and produce quality; strong husky birds that have never known a sick minute and that have been grown on free range under natural conditions, **send your order to OWEN FARMS and receive better value than you can obtain anywhere else for your investment.**

Satisfaction Guaranteed

Every customer or I will pay return charges and refund full purchase price. Write me exactly what you need and receive my catalogue.

Owen Farms

Maurice F. Delano, Prop. **Frank H. Davey, Supt.**

107 Williams Street **Vineyard Haven, Mass.**

Chick Chats

by H. P. Schwab

A Merry Xmas and seasonable wishes to all "Our Folks."

* * *

Resolutions are always in order (if you intend to keep them), so let us now resolve to exhibit, to raise more and better stock, to help our fellow-man and to try for a greater industry and a greater general success.

* * *

Keep your stock in condition, look well to their wants and remember that variety is the spice of life. Every effort now made will have its effect for betterment and an assurance of better stock next year.

* * *

Bear in mind at all times the breeding season that is to come, and that no labor is lost; this is particularly true of the poultry business, for the reward is sure to come, the satisfaction will be so much greater knowing it is a result of your interest in your fowls.

* * *

There is evidently something radically wrong in the East, for "Hank" has had no mention in the Fancier and Stockkeeper for two weeks.

* * *

She—Is it a secret society?

He—No. Didn't I tell you there were women in it?

* * *

Some people don't see special values in anything, still it is good to investigate fully those that seem reasonable, for they may prove practical and of special worth to many. Keep posted and keep trying to improve every branch of your business. If you can lessen your work, do so; the poultry feeders now on the market are giving results; they save time and feed. We were lately on a farm where over 100 of the Simplex Faultless feeders were used with satisfaction to the owner.

* * *

They don't forget to work like the owner does sometimes and the stock is sure to be fed when they want it; also getting exercise, while they are beneficial and insure regular feeding they are particularly recommended as a practical labor-saving device.

* * *

The eagle is the bird to soar,
The hawk is the king of the woods;
The mocking bird can sing the score,
But the hen delivers the goods.

* * *

From the proceedings of the A. P. A. at the late convention, which is just at hand, it must be evident that those in attendance did their level best for poultry and the grand old association.

* * *

The increased cost of peroxide is bound to have the effect of making blondes a little dearer than ever.

* * *

The more trouble some people have the more they want to borrow.

* * *

Let us have peace. Any one edition of the daily press nowadays should forever guarantee peace among the nations of the world.

* * *

Don't miss the January issue of the A. P. J. It will be our aninversary number and the largest and best poultry journal ever issued, illustrated and full of good things, as usual.

* * *

The A. P. J. Year Book for 1915 will also be larger and better than ever, with many new features. It is a standard poultry guide and covers the entire field from A to Z. Write for further particulars.

* * *

The show season has opened with a rush. Williamsport with over 2,300 entries. The open door was the feature and the attendance the best ever.

* * *

Buffalo was again the beauty show—further reports of these to follow.

* * *

The death of Dr. A. W. Bell was a piece of surprising news to us. A friend of more than twenty years. He was one



Any One Can Win where the classes are small or the competition is not keen and, dear readers, do not be led into believing that the fellow who makes big wins necessarily makes them in keen, competition for the name of the show does not indicate competition.

FAIRVIEW WHITE ROCKS

Have always hunted competition and have ALWAYS won their share of the ribbons. At the late Illinois State Fair, they won 1st and 3d cock on two; 1st and 4th hen on three; 3rd and 4th cockerel on four; 3rd and 4th pullet on three and 2d old and 2d young pen on one of each. You will note that I won two out of three firsts on old stock and did it with six less birds than my competitor exhibited in these classes, besides my share of seconds, thirds and fourths on young stock which was not matured enough to compete with the early hatched youngsters shown by my competitor. Was there any competition? Look up the report of the show and judge for yourself.

I have over 1000 young birds with blood lines the same as these and other noted winners and can furnish winners for any show, anywhere. Write your wants and mention American Poultry Journal. Catalogue free.

GUY DAILY **Box A** **Jeffersonville, Indiana**

PROOF THAT PARKS' STRAIN OF BRED TO-LAY BARRED PLYMOUTH ROCKS



Have laid their way into world-wide popularity can be found in our hundreds of unsolicited laying reports from all over America and the world.

Parsons Chicken Ranch, El Paso, Tex.—126 hens of your breeding have averaged 208 eggs. Percy Houghton, Sidney Devon, England—The birds I recently imported from you have laid splendidly. E. H. W. Broadbert, Lihua Kania, Hawaiian Islands—The birds you sent are not only good lookers but mighty good layers. W. V. McKenzie, Skagway, Alaska—Your chickens are certainly phenomenal layers. With the thermometer 20 below zero, they are shelling out the eggs that are selling at $1 per dozen. W. R. Hayne, Timura, New Zealand—Received the trio, they surely have the laying habit, one laid day of arrival and the other two days later. D. W. Fairlie, South End, Canada—I think your strain is a world beater. I never had anything equal them for egg production.

You'll find a lot still more convincing in my new large free cockerel circular, also a full description and proof that Parks' "bred to transmit the lay" cockerels with their over 25 years of careful selection, trapnesting ond pedigreeing for eggs do stamp that improvement in the way of eggs on their off-spring. My last Winter's winnings show how close we breed to the standard requirements. **Cockerel circular free.** Cockerels, $3 up. 40-page catalogue, a dime. Deduct same from first order. (Mrs. C. W. Beatham, Cardena, Cal.—Your catalogue is worth more than many $1.00 books.)

J. W. Parks : Box J, Altoona, Penna., U. S. A.

of the early show builders of Canada and had a prominent part in making the great National Exhibition at Toronto. Of late years he has been in the Northwest in charge of the live stock departments where he was again building up a show of national value and importance. We will miss him.

* * *

Pure, sound, clean food of highest value is none too good for poultry where results are expected.

* * *

We feel that particular progress is being made in the poultry industry year by year, but never more than right now. Our greatest breeders with greatest show records find value in practical worth of their fowls and never more than now have they worked harder to produce money from poultry.

* * *

The basis of the fancy is soundly placed on practical worth, to build and improve on this has been the effort, and the success attained is noteworthy. Standard bred fowls carry more real worth than ever, breed to type and keep records all spell success.

* * *

While the Doctor seems to think we should give the readers more chicken talks, they seem to be well satisfied with our chats according to late reports. Here is one. Dr. Woods, why not let H. P. Schwab liven things up? I think he is one of the best writers on the staff of the A. P. J. I generally read Chick Chats first. (Signed) John Huber, Dinuba, Cal.

* * *

We note with interest that W. S. Russell will have charge of the Special and Sales classes at the San Francisco Exposition. Mr. Russell is competent and we would like to see him appointed superintendent of the Poultry Department at the Panama exposition.

* * *

Do all the good you can,
By all the means you can,
In all the ways you can,
To all the people you can,
As long as ever you can.

* * *

Our friends are still sending us Old Poultry Books and Standards, for which we are very grateful.

* * *

Secretary Hewes lays claim to many things in his Chicago premium list. But when he claims to have originated the idea of making cockerel and pullet classes for Barred Rocks, he is in error. Such classes were held at New York, Rochester, Philadelphia, Chicago, etc., years before Mr. Hewes became secretary. We give him credit for what he has done, but for no more than that. The facts in this particular case are that we originated this idea and had it adopted by the poultry association mentioned.

* * *

This has been an ideal Fall for the young stock who have had every opportunity to grow and mature, the quality is surprising, to say the least.

* * *

Wherever we go we hear of new breeders going to show at the M. S. Garden, New York, February 12-19, 1915. Of course, all the old vets will be there and we predict this will be the greatest of all New York shows. The season is well adapted to time and place and with Charlie Cleveland in charge look for a "boomer."

* * *

Pittsburgh is going to live up to its reputation and Secretary Craig assures us of a greater Pittsburgh show. They will have to travel fast to improve on last year's exhibit.

* * *

He who knows, and he knows he knows—
He is wise—follow him.

He who knows, and knows not he knows—
He is asleep—wake him.

He who knows not, and know not he knows—
He is a fool—shun him.

He who knows not, and knows he knows not—
He is a child—teach him.

* * *

Magistrate—"Can't this case be settled out of court?"

Mulligan—"Shure! That's phat we wuz thryin' to do, yer honor, whin the polis interfered."

* * *

The farmers of the U. S. A. are pocketing $5,068,742,000 for their 1914 crops, a clear gain of $104,000,000 more than last year, according to the Government reports. This should insure a contented holiday season for all.

* * *

The above figures do not include poultry values. Add their billion dollar egg value and half that for meat, etc.,



YOUNG'S Strain S. C. W. LEGHORNS

I Have No Other Breeds

They are the standard for all the Leghorns of all America, and the greatest layers of all domestic fowls. At the World's Famous and Premier Show of America, Madison Square Garden, New York, for the past thirteen consecutive years I have won best display and from three to five first prizes, every bird being bred and raised by me. Hundreds of yearling hens for sale from my best line bred laying stock, $2.00 up, and the grandest lot of cockerels I ever offered for sale. Mating list free.

D. W. YOUNG - - - MONROE, N. Y.

ROSE'S ORPINGTONS



1st Buff Cock, Chicago



1st Buff Pullet, Madison Square Garden



1st Buff Cockerel, Madison Suare Garden



1st Black Cock, Madison Square Garden



1st Black Hen, Madison Square Garden



1st Black Cockerel, Boston

Buffs **Champions of America** **Blacks**

Our Orpingtons have won the championship for best display at each of the following great National Shows: Madison Square Garden, New York, Chicago Coliseum, Boston, Pittsburg, Baltimore, Allentown, Hagerstown, New York State Fair, Syracuse and Toronto in the past three years.

1914 Young Birds

The best we ever raised. We can win your show for you or assist you in improving your matings.

EGGS EGGS EGGS

We are now booking orders for early delivery. Last year we had to return many orders. See that your order reaches us in time this year. A deposit will hold your date for delivery.

Illustrated Catalog FREE. Mating List Out January, 1915.

Hugh A. Rose Frank F. Conway, Manager **Fonthill, Ont.**

and the total reaches an amount almost beyond and above imagination.

* * *

This is not the last call, but show your birds. We have given you plenty of reasons before; follow this advice and begin now to let the world know what you have.

* * *

If Herman Schemmerhorn, Oscar Blaatz, August Schnitzelfeniger and Gotlieb Dinkelspeiler would form a partnership, what would be the firm name?

* * *

Link Orr has been very quiet (for him) of late. No doubt he is fomenting more of those good ideas. We hope it is not the question of Faverolle Toes that is in his crop.

A TIMELY SUGGESTION.

THE public is familiar with current authentic reports regarding the ravages wrought by the live stock hoof and mouth disease. Stock yards are being closed and quarantine orders are issued in numerous rural districts preventing the movement of live stock. This condition may continue for months until the scourge is stamped out. The Canadian government has issued quarantine orders against the importation of live stock into Canada. This condition seriously affects fanciers and breeders of high grade thoroughbred live stock throughout our vast country. This includes fancy cattle breeders, hog breeders, sheep breeders, horse breeders, etc.

Be it understood that fancy poultry has not and will not be included in the list of items prohibited to transportation.

To the prospective investor in some line of thoroughbred, fancy live stock the above is a timely suggestion. We are still doing business in fancy poultry and now is the psychological moment to remind him that an investment in fancy poultry will bring quicker and more returns for the amount invested than could possibly be obtained in an investment in fancy horses, cattle, sheep or hogs.

Suppose you invest $500 in a thoroughbred hackney mare. (This is a most conservative figure, based on the ruling values for hackneys.) Fifty dollars is added for service fee. A year elapses and you have a colt worth $100 up, depending on local demand. To keep the mare one year has cost you $100. Your $500 is still invested with no profit.

Suppose, on the other hand, that on this date you invest $500 in twenty-five fancy birds. That figures $25 each and depend on it that you can get some top-notchers for this money if you order five hundred dollars' worth from a reliable breeder. Among the twenty-five birds you can select enough show birds to make a heavy winning at one or more important shows. Within the year you will have bred enough stock from the twenty-five birds to yield you, on a conservative estimate, $2,000 in sale birds if you know how to grow birds as you should know how to properly handle the hackney mare and colt above referred to.

We will assume that $500 of the above $2,000 is spent in advertising and feed. Then we will deduct the $500 original cost of the twenty-five birds and we have left $1,000 clear.

The man with limited means can invest a less amount and reap proportionately like returns as against the wealthy purchaser of live stock who invests many times more and reaps proportionately many times less margin on his investment.—C. S. Byers, Hazelrigg, Ind.

URBAN FARMS
Pine Ridge, Buffalo, N.Y.
Prize-winning Black Langshans, White Plymouth Rocks, Anconas, Houdans, Silver Campines, Mottled Javas, Black Tailed White Japanese Bantams, Mille Fleurs.
Mating List for 1914 on Application

Premier White Wyandottes
"The Kind You'll Eventually Buy"
Champions at the Madison Square of Canada, Guelph, 1913. Best cockerel and pullet. $50.00 Silver Cup for best cock, hen, cockerel and pullet. $50.00 Bullock Memorial for the best display. More regular and special prizes than my nearest five competitors combined, and my win on females (140 entries) was simply phenomenal, viz., 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th and 9th.
SID SAUNDERS Box A INGERSOLL, CAN.
SEC.-TREAS. and LIFE MEMBER CANADIAN WHITE WYANDOTTE CLUB

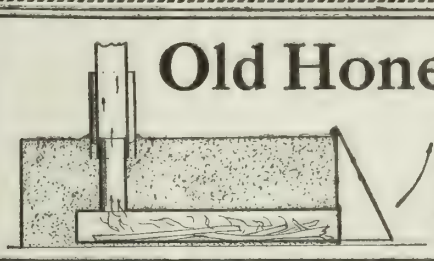
SINGLE COMB BL. MINORCAS
LINE BRED TRAPNESTED
BREEDING FOR EGGS MY HOBBY
Known as one of the world's greatest strains. Their wonderful size, type and color, together with their great vitality and inherited egg-laying qualities, their winnings from coast to coast, place them as the one best strain. If I don't please you it can't be done.
THE WORLD'S FINEST MINORCA RANCH
J. V. McConnell, Prop. A. Carson, Supt. Box 279A, GARDEN GROVE, CAL., U. S. A

LISK'S WHITE WYANDOTTES
THE KIND THAT WIN AND LAY
Birds of my line and breeding have won for years at the leading shows, including Boston, Chicago, Baltimore, Pittsburgh, Rochester, Buffalo, Indianapolis, etc., etc. They have the habit with Quality and will win for you. This year I have 700 youngsters that show superior merit and I can supply the trade with the desired quality to win. A few selected yearlings for sale. Write me your wants and let me tell you how well I can serve you. Choice Breeding birds in correctly mated trios and pens a specialty.
FRED C. LISK Box B ROMULUS, N. Y.

Golden ORPINGTONS Buff
My yards produced the Champion Male and Young Pen at the last State Show. Quality talks. Especially strong in high grade breeding and exhibition cockerels. Catalogue free.
A. B. Porter Box 4 La Salle, Illinois

PEABODY FARMS
Special sale 1000 white feathered breeders (mostly Leghorns) for $1.00 each. Mammoth, Pekin Ducks and Drakes at market prices. Mallards $3.00 per pair. Mention American Poultry Journal.
PEABODY FARMS HINSDALE, ILL.

AGAIN AT THE GREAT BROCKTON FAIR MY WONDER STRAIN OF
COLUMBIAN WYANDOTTES
prove their excellence by winning 2d, 3d Cock; 2d, 3d Hen; 1st, 2d Cockerel; 1st, 4th Pullet; 2d Pen. Also Gold Special for best 2 males and 4 females, and Shape Special. Stock—Young and old now ready for you.
J. E. Perkins 513 Canton Street West Stoughton, Mass.

Old Honesty Heaters

for sale. Something new. Just what poultrymen need to get Winter eggs and keep hens healthy. A heater that it pays to have, and operates very economically. They are excellent to raise chicks. Booklet Free.
Old Honesty Heater Co.
Dept. A New Washington, Ohio

Woolery's S. C. White Orpingtons
Winners of Highest Honors Anywhere Everytime
Cincinnati, National Club Show, 1913—11 ENTRIES—1-2-3 Cock; 2 hen; 1-2-3 Cockerel; 1-3 Pullet; 2 Pen; $100.00 CUP for 2 best Cocks, Cockerels, Pullets, Hens and Pen. Four other Cups. THINK IT OVER.
Chicago, 1913—Won in competiton with largest breeder in America on 6 single entries, 2 Cock; 3 Cockerel and 2 Pullet—add this to CINCINNATI.
Illinois State Fair, 1914—1-3-4 Cock; 1 Hen; 1-3-4-5 Cockerel; 2-4 Pullet; 1 Young Pen; 2 Old Pen. This is the second time at this great Fair EVERY BIRD WON.
Our blood lines ESTABLISH and produce QUALITY, TONE, SNAP, LUSTER and VIGOR to win at the LARGEST and BEST SHOWS.
Write for prices on TOP-NOTCH Show Birds, and first class Fancy and Utility Breeders.
WOOLERY FARM Box A Bloomington, Indiana

Pacific Coast Department

Conducted by H H Collier, Tacoma, Washington.

MY friend, D. Tancred, who has trap nested White Leghorns for the last ten years, advances a new theory on early eggs being infertile. He says:

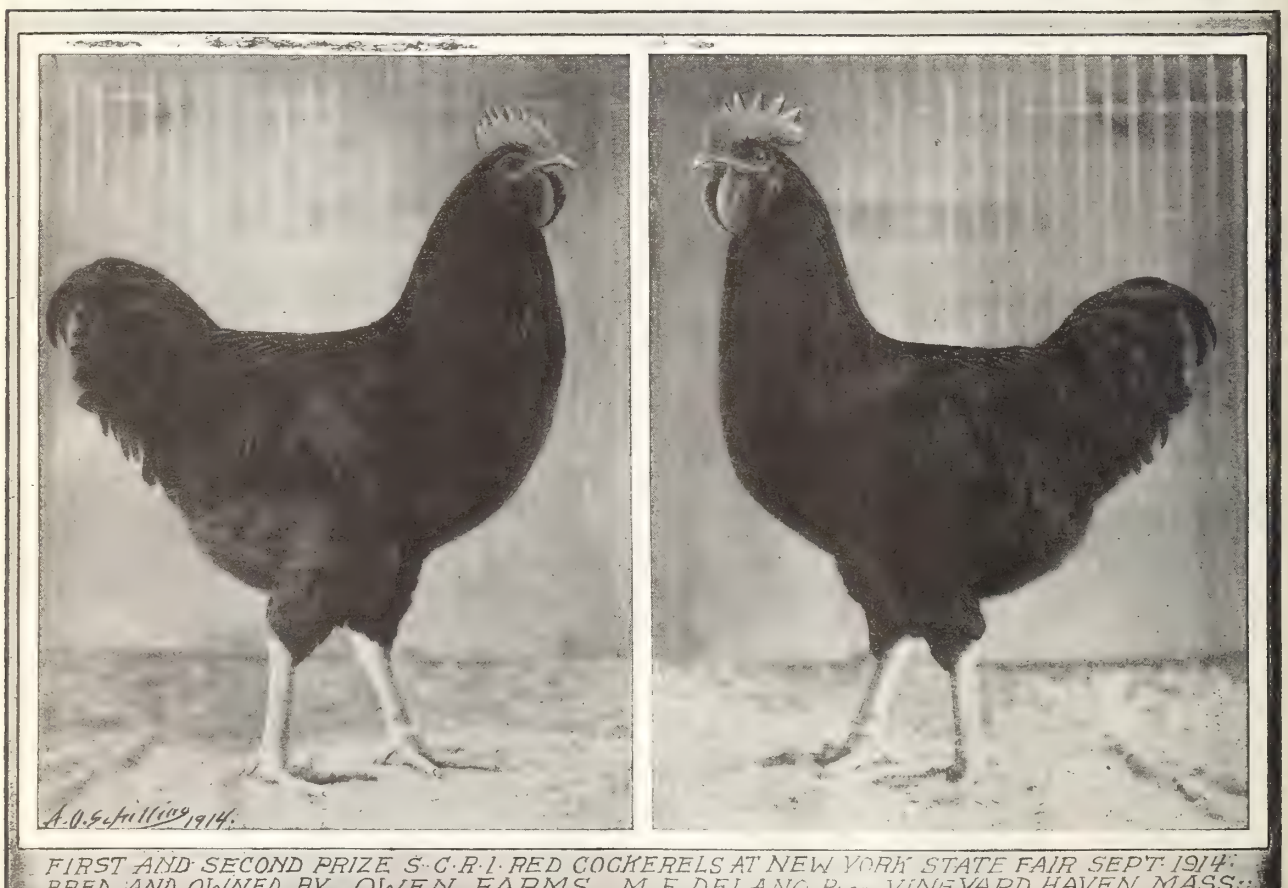
"It is not so well known, yet a fact, that a hen will often lay throughout her moulting period, but will invariably rest up a month after she has taken on her new plumage. It is hard on a fowl to have to make a new coat of feathers and when she has accomplished that purpose nature comes in and gives her a rest. I have noted that for years the eggs from my yards headed by cocks are more liable to be infertile during the months of January and February than at any other time during the year. After ten years' experience trap nesting I have come to the conclusion that it is not so much the female's fault as it is with cock birds. I seldom have low fertility when the cockerels are mated to hens, but eggs from the yards headed by cocks are generally infertile in January, and as a result I get my poor hatches at that time. I believe that if I should put cockerels in all yards during the month of January I would not have the trouble, for then the cock birds that moult late could get a period of rest that would help the fertility when they were heading the yards later in February and March. I have decided to keep an extra cock bird this season. I shall mark all of the eggs as they are laid, giving the number of the hen that laid them. I will set early a test hatch and when I note that the eggs of any hen are not running fertile I shall put her in a yard with a male by herself. If it be the hen's fault in fertility I will soon know it, and in that way save hundreds of eggs that are set each year that hatch no chicks."

In trap nesting hens one can do this, but where a man goes it blind he loses hundreds of eggs each year. Trap nesting the year round is a big task, but if the breeders would trap nest through the breeding season we would hear less of poor success with incubators than we do. Incubators get blamed for not hatching in the early part of the breeding season simply because they do not have fertile eggs.

There are hens in a flock that take a dislike to the male. One will often note that these hens will avoid the male bird altogether, and as a result they are never served. We go on setting these eggs and not getting a chick. This season I had a turkey hen that would not have anything to do with the gobler, and I discovered it too late to save her whole litter of eggs. I thought perhaps there was some reason for them not hatching, so continued to set them; all season I never hatched a turk from this hen despite the fact I set every one of her eggs.

One trouble we have in our heavy feathered breeds is the fact that the females get so fat that they can not be served by the male. I have found it a good idea to cut or pull away the fluffy feathers around the vents of such hens and have noticed that my eggs hatched better from that time on. Often the male is very heavily feathered; this is often so in Wyandottes and Plymouth Rocks. If one will pull away the feathers around the vent they can generally bring about fertile eggs.

The theory offered by Mr. Tancred is no doubt true. We begin to breed our male birds before they have regained their strength and vigor from a long moulting period. Take a Leghorn, for instance. They have about the longest sickles of any of our so-called utility breeds, and it must be a hard thing on their system to have to make so much feather in so short a time. I have noted that where a Leghorn was strong and



FIRST AND SECOND PRIZE S.C.R.I. RED COCKERELS AT NEW YORK STATE FAIR SEPT. 1914. BRED AND OWNED BY OWEN FARMS M F DELANO Prop. VINEYARD HAVEN MASS.

Made from retouched photos.

vigorous that he showed it in the way that he feathered. Take, for instance, the sickles and lesser sickles on a Leghorn. If you note this bird carries a strong tail; a tail that has its sickles hanging just right and the lesser sickles in their places; you can be sure that this bird has a pile of vigor and that he will get good results when it comes to hatching eggs. Where the sickle is inclined to lay down in the main tail feathers and the lesser sickles to hang down by the side of the tail like the tail coverts, it is a "cinch" that there is not much vigor to the bird. If you will watch the bird that is always busy in the yard, the one that comes dancing to meet you when you come in the yard, the bird that shows no fear when you are around, carries his feathers right where they should be, the eggs from the yard he is in hatch most every time.

Many people will write to a breeder and tell them that they want a breeding bird and do not care for show points. This is a paradox to me. I have found my best show specimens, my best breeders, and there is a reason. The ear lobe on my bird is a health barometer to me. Let one of my Plymouth Rocks get a light ear lobe or a pale comb and you will note that he is not up on his feet and coming when you go into the yard. Let his sickles drag to the side and he is either lacking in vigor or he is out of condition. Let a bird's plumage lose its luster outside of the moulting season and you can depend on it something is wrong with the bird. My most vigorous birds have been those that carried the heightened color that is called for in the show room. He is in his best condition when he fairly shines with that beautiful golden color in plumage that is so much prized in Buff Rocks. If his legs be pale it shows to me that he is out of condition and not feeling well. All of these things are what some so-called utility people are pleased to call "fuss and feathers."

A fowl that throws the color of its breed is more liable to be a good breeder than one that is off in color. If a bird is a good colored bird for the show room he is certainly a better bird for the breeding yard. There is too much talk of breeding and too little talk of the qualities that go to make a breeder. It is true that in the double mating system in Barred Rocks and Brown Leghorns along with Rhode Island Reds that we must breed differently in getting breeders from what we take to the show room, yet the birds that are the good breeders in that case must be strong in the color of their combs, faces, wattles and ear lobes, and should be strong in the color of their legs for best results. Both the breeder and the show bird should first of all show vigor, and without health no bird should be given a place in either a show room or breeding yard.

San Francisco will hold their annual show beginning the 8th day of December. The writer has been chosen to judge the American class. Secretary Talbott writes that he expects the largest entry ever seen in San Francisco, as many of the Coast breeders expect to try out their birds in preparation for the big Panama-Pacific Exposition that will come in November, 1915.

Do not forget that the Pacific coast expects to entertain the American Poultry Association at San Francisco's big fair next November. We expect to throw open our doors to the poultrymen who come as no other country ever did before. The Northwest poultrymen want all of the members to come by the northern routes, so that we can show them what a big country we have. It is the thing for the American Poultry Asso-

Harold Tompkins' Rhode Island Reds

Both combs have started again to demonstrate their worth over all comers. At the great Brockton Fair, just past in the cream of the East, they won 1st pen, 1st and shape special, hen and 3d pul. on 4 entries. Hundreds of show and breeding birds ready now. Write your wants.

HAROLD TOMPKINS - - - - - CONCORD, MASS

CUT CLOVER

Better Than Alfalfa for Winter Green Feed—Order Early

Breeding Ducks Now is the best time to buy Pekins, White Indian Runners, American Fawn and Penciled English. Also White Wyandottes, Rhode Island Reds, White Plymouth Rocks, White Leghorns and White Guineas.

Niagara Farms W. R. Curtiss Co. Ransomville, New York

White Orpingtons

Superb Type and Superior Quality

January and February Hatched Youngsters for Sale

Never have I had young chicks prove more completely the claim made for them regarding TYPE and QUALITY than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in January, February and March. As it is possible to detect any minor faults in birds after they are eight weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced. These are ready for delivery now—large, vigorous, massive birds raised on acres of blue grass sod.

Older Stock at Bargain Prices

Due to the fact that I must make ready for this younger stock, it will be necessary to dispose of a number of hens and cocks on the breaking up of my breeding pens the first of June. These, of course, must go at attractive prices; and here is an opportunity to get some foundation stock, the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000 acre Elmendorf Farm. An extra fine lot of young Duroc-Jersey pigs for sale.

RUSSELL CAVE POULTRY FARM
ELMENDORF STOCK FARM

LOUIS LEE HAGGIN, Prop.
R.R. 3, Box 1025, LEXINGTON, KY

Elosser's Black Langshans
A fine lot of Cockerels for sale. Bred from Washington and Baltimore prize winners. Exhibition birds a specialty.
PORTER ELOSSER Cumberland, Maryland

Columbian Wyandottes
5 FIRSTS, 4 SECONDS and 5 THIRDS at the MINNESOTA STATE FAIR
Geo. A. Kersten Washburn Park, Minneapolis, Minn.

Walker's Barred Rocks
are well known winners in the best shows both for me and my customers. Our young birds are the best we ever raised and can furnish birds bred in the same line as our Cnicago, Springfield and Davenport winners. Have won the State Cup for 3 years in succession at Springfield. Write us your wants. Shipped on approval always. Mention American Poultry Journal.
G. A. Walker Polo, Illinois

TOLMAN FRESH AIR STRAIN
WHITE PLYMOUTH ROCK EGGS FOR HATCHING
Now is the time to raise your early BROILERS and SOFT ROASTERS.
WRITE FOR PRICES.
JOSEPH TOLMAN R. F. D. 1. Dept. H Rockland, Mass.

Harnly's Quality White Orpingtons
Began this season's contest by 4 weeks showing, traveling 1500 miles and winning **70 premiums—25 Firsts and 20 Seconds** at the three **Great Fairs, Minn. State, Wisconsin State and Illinois State,** took the highest awards. At each **big show** entered for the **classiest-prize** and **won it,** besides many others. Write me your wants and for my free catalogue.
Mrs. J. H. Harnly 2301 Elisha Ave. Zion City, Ill.

LONGFIELD R. C. REDS
ARE BETTER THAN EVER THIS SEASON
Our young are the best we have ever raised and we can furnish birds bred in the same lines as our
Great Chicago Winners
in either utility, good breeding or the highest class exhibition birds. On approval always.
Longfield Poultry Farm Box 321 Bluffton, Ind.

LEN RAWNSLEY CHAS. R. SHIELDS
Rawnsley-Shields Poultry Farm
Breeders of England's greatest egg and meat producers.
SUSSEX—Red—Speckled—Light
Open the season by winning at the Great Hagerstown Show, Oct. 13th to 17th, 1914, 14 firsts; 4 seconds; 1 third. Our entire string were under winning ribbons.
Station B, :-: Department 1 :-: Columbus, Ohio

Closing Out Sale
R. C. Rhode Island Reds SENSATION STRAIN
On account of poor health I will sell off my entire flock including Cleveland, Buffalo and Chicago winners, also 65 cockerels and 70 pullets, April haiched, at 50 cents on the dollar for the entire flock or 75 cents on the dollar if sold separate. Mr. F. W. Hallet of the Inland says; "This is the finest flock of early hatched cockerels and pullets in the state."
H. H. HOLMES 49 Lockwood St. ASHTABULA, O.

Silver CAMPINES Golden
THE MARTLING IMPROVED STRAIN WIN
At the Great Trenton, N. J. Tri-State Fair, October, 1914
SILVER— Cock 1; Hen 1; Cockerel 1; Pullet 1; Pen 1.
GOLDEN— Cock 1; Hen 1; Cockerel 1; Pullet 1; Pen 1.
A clean up of all FIRST PRIZES and Specials at the great
New York State Fair, September, 1914
I win on Silver—Cock 1; Hen 2; Old Pen 1; Young Pen 1. Golden—Hen 4; Pullet 3; Old Pen 1; Young Pen 2; Specials, etc. At both shows I won First Prize for best dozen White Eggs and First Prize Display.
This year I have 1500 young birds and many breeders for sale all of our own breeding. Write me your wants and be sure to get my circular of interesting facts about Campines—its free. Write today.
THE MARTLING HENNERY, Box A, Ridgefeild, N. J.

ciation to do. The organization has not met on the Pacific coast since it amounted to anything. In the old days, so long ago that few remember it, the American Poultry Association met at Los Angeles, but they were so few in numbers that the meeting created very little stir; but if they will come out to the Coast a thousand strong, start out many of them from Chicago on a special train, then we will get an advertising that will put us on the map for all time to come.

Tacoma, Wash., will hold her twenty-first annual show this year, and it is going to be a big one. The Pacific coast division of the American Buff Rock Club has decided to hold its annual meeting at Tacoma and the Buff Rock class is expected to be the big thing of the show. Tacoma will double our already good prize if the Buff Rock men will come with a hundred birds. As we had seventy-four Buff Rocks at Tacoma last year, the association will be forced to double the money, as the hundred and more birds will be out.

All railroads have made a rate of one and a third fare from all points in Washington, Oregon, Idaho and British Columbia to the Tacoma show. The dates being December 29, 1914, to January 2, 1915. Secretary J. A. Caddey will be glad to send a premium list to anyone who will write for it.

Seattle holds its show late this year They have hired Fred Shellabarger to be their judge. The dates are about the middle of January. W. H. Haven, secretary, will be glad to give you all the information about the show.

William S. Russell, who is at present busy with the all the year show at the Panama-Pacific Exposition, will judge quite a few shows on the Coast this season. He will be at Tacoma and Aberdeen, Wash., Los Angeles and Sacramento, Cal., and other shows on the Coast. The dates of the Aberdeen show are December 23 to 26.

Colfax, Wash., will hold their annual show December 23 to 26, with the writer as judge. W. J. Scott, secretary, will send you a premium list if you will write him.

Bellingham, Wash., holds forth the 14th to 19th of December, with W. M Coats judge. M. Galloway is secretary

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The following dates in California comprise the show season in the Golden State:

Modesta, December 2 to 5, 1914. A D. Roberts, secretary.

Pasadena, December 1 to 5. M. D Cartright, secretary.

Fresno, December 7 to 19. A. D. Marshall, secretary.

Coalinga, December 10 to 12. Charles Miller, secretary.

Porterville, December 15 to 17. Lucy Threlkeld, secretary.

Los Angeles, January 6 to 12. H. H. Mumford, secretary, South Pasadena.

San Francisco, December 8 to 13. E J. Talbot, secretary.

A. F. Rolf, poultry husbandman, of the Oklahoma Agricultural and Mechanical College, at Stillwater, Okla., has resigned. Mr. Rolf will be located at Baton Rouge, La., with the Live Stock Extension Service of the U. S. Department of Agriculture.

THE VALUE OF UNRETOUCHED PHOTOGRAPHS.

BY FRANK E. HERING.

RECENTLY, I have read several communications that presented arguments for and against using unretouched photographs of poultry as agents for selling exhibition stock. As a breeder and dealer, I have some pretty strong convictions on this subject, which I wish very briefly to set forth. My point of view is a purely commercial one—the point of view of the buyer and seller. The only questions, then, that I need to consider are whether or not the unretouched photograph will sell more birds for the breeder than will the retouched photograph, and whether or not it will give to the buyer more satisfactory information concerning the stock he desires.

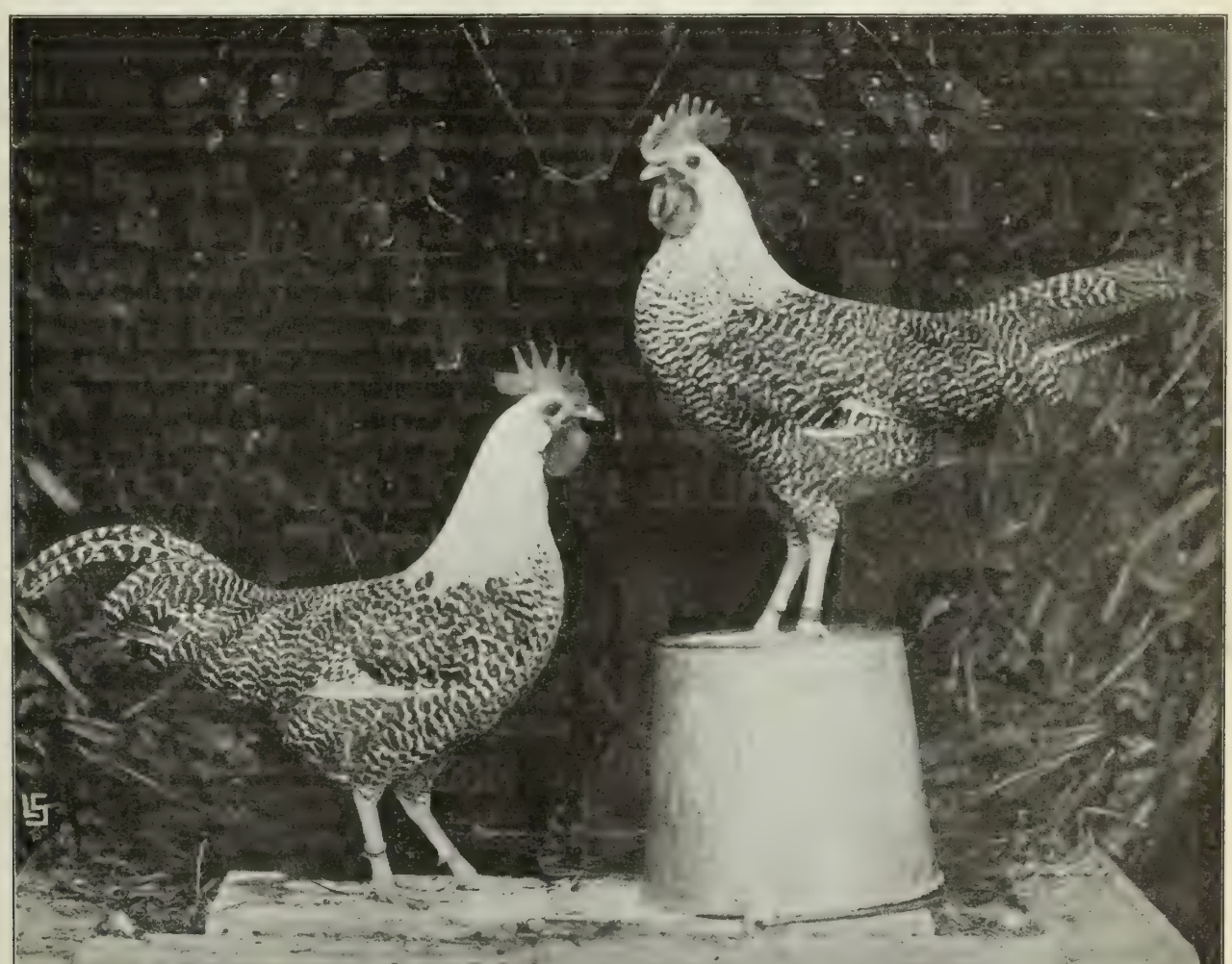
To start with an illustration: A breeder of standard bred poultry has stock that he wishes to sell. He desires to present the merits of his fowls to as many men interested in that particular breed or variety as he possibly can. He wishes, moreover, to emphasize as strongly as possible not only the blood lines of his strain—that is, the ability of the fowls to reproduce certain inherent qualities, such as constitutional vigor, egg-laying proclivities, and so on—but also certain physical characteristics that will appeal to the eye, such as type, station, head points, and feather coloring. Now the former attributes can best be presented to the prospective buyer by a description of the winnings of the strain, either in the hands of the breeder himself or of his clients. However, when it comes to acquainting possible customers with the *physical* merits of his fowls, the breeder must use *photographs* or *pictures*.

I make the distinction advisedly. A *photograph* is a relatively faithful likeness of a particular specimen. A *picture* is a likeness of that specimen with the crudities and defects eliminated, so that the physical characteristics of the fowl approach the ideal. In this distinction lies the debatable question with regard to poultry illustrations. In general, it may be said that retouched photographs prove of inestimable value to breeders whose fowls do not approach the standard requirements; for such photographs make the specimens seem stronger than they really are. On the other hand, breeders of the best stock have no need to ask the artist materially to change with brush or pencil a good photograph of their stock.

As a matter of fact, the practice of idealizing specimens is one that the honest poultry artist is opposed to, because it makes him accessory in deceiving the probable customers who examine his periodical and are influenced by its pictures. The most progressive editors of poultry and farm journals are vigorously opposed to retouching, because they feel that such pictured representations—or, better, misrepresentations—are not strictly honest.

And they are right. From an ethical point of view the practice of retouching poultry photographs is not justified. I believe that the purchaser who pays a round price for stock, either for breeding or exhibition purposes, should be protected before all others; for he is usually the innocent party to the transaction. Suppose, for example, that a man is purchasing in order to improve his strain. Perhaps he desires to strengthen the head points of his flock or to lengthen the backs of fowls, or to breed a type nearer the standard. If he is permitted to see *unretouched* photographs—photographs in which the fowl he contemplates buying has not been given physical characteristics that it does not really possess—he is able to determine just what breeder in the country has the stock that will strengthen his own.

As an illustration, let us assume that a man is interested either in Silver Campines or S. C. White Leghorns—varieties which are the specialty of The Willows Farm, of which I am the proprietor. I have been particularly desirous of pro-



The cockerels shown in this picture were absolutely as photographed. Note the pure white hackle, the beautiful, small comb; the clear-cut barring; the standard type, and especially the long tail feathers that are barred to the *very* end. "I believe that I have photographed on the Willows Farm *the two best Campine cockerels* it has *ever* been my fortune to examine. *The cockerel on the left in the photograph is, beyond question, the best male, everything considered, that I have ever seen.*"—Louis A. Stahmer, Poultry Artist, American Poultry Journal.

ducing in Campines white hackles with very little ticking; sickle feathers barred entirely to the end; type suggesting the Leghorn rather than the Minorca; and a comb smaller than the best specimen in the past has ever had. Now, as a result of careful selection and mating, I have succeeded in producing several cockerels, the very best of which appears at the left of the accompanying photograph.

Suppose there are other breeders who desire to strengthen either one or all of the points which I have sought to produce in my birds. They will have seen, as I have seen, many illustrations of fowls bred and exhibited by the leading Campine fanciers of America, that so nearly approach the ideal as to lead to the conviction that the artist (in all probability at the request of the breeder) has so retouched his photograph that even in a general way it is not a faithful likeness of the original. Such illustrations are most frequent on the advertising pages and in the reading matter of poultry publications. If the prospective dealer orders stock with these photographs as a basis he will be doing so largely on a guess. However, in the photograph of Campine cockerels here reproduced the artist's statement that it is absolutely unretouched serves as a guarantee to the buyer that the birds are as they are represented to be. He can decide from the illustration whether or not cockerels such as the ones shown will give to his stock the added strength that he desires; and if he orders birds he will be able to specify, for example, that he wishes a cockerel of the general type of the one in the photograph, but that he especially desires one with saddle and sickle feathers closely resembling those in the illustration, or with a white hackle similar to the one shown, even at the expense of other qualities.

It may readily be seen that from a business standpoint, as well as on an ethical basis, an unretouched photograph, such as the one here reproduced, that shows the fowl as it really is, is a much more satisfactory medium for bringing about a sale of stock than is a retouched photograph in which the defects of the cockerel have been either painted out or greatly minimized. Men are impressed much more quickly and forcibly by what they *see* than they are by what they merely *read* or *hear*. Fowls are usually described as being of a "grand" type, or as having a "fine" carriage or a "beautiful" head. Now probably no two people will receive exactly the same impression from such general and abstract terms as "beautiful" and "fine" and "grand." Consequently a purchaser can only be sure of getting what he wants if he sees it faithfully reproduced in an unretouched photograph. A picture idealized by the artist and supplemented with a few vague word descriptions by the breeder is unusually unreliable as a guide in buying stock.

Of course, retouched and idealized pictures are all right in their places; but I am convinced that their use as a medium for presenting stock to the buying public is both ethically weak and commercially unsound. I, personally, would far more readily give my order to a breeder who publishes an unretouched photograph of a fowl whose qualities I desire to introduce into my flock than to a breeder who prints a retouched picture that, perhaps, more nearly approaches the ideal standard. Experience gained through many disappointments has taught me that these idealized fowls, though fine to look upon, never existed in a "sure enough" poultry yard.

—o—

DID YOU WRITE US?

The old saying is, "Never start something you can't finish." Well, the first twenty days of November made us believe that we had.

No editorial that we have ever published has brought us so many letters as "What's Your Name." They came in daily by the hundreds—if yours was one of them and you did not receive a reply promptly, please accept our apology.

While we expected to hear from a great number, we didn't expect thousands of them, and it was somewhat of a task to answer them all promptly, but we are now in shape to write you upon receipt of your letter, so if you haven't written us—do it today. We want the name of every breeder of poultry in the world. Address your letter or postal, Managing Editor, 1915 American Poultry Year Book, 542 S. Dearborn St., Chicago, Ill.

Big book ad on page 1412

AT LAST—The Colony Brooder with Hot-Water Heat



Experienced poultrymen know that the colony type of brooder is best because most economical and convenient; that hot-water heat is superior to hot air, because more uniform, humid and pleasant. At last we have a colony brooder combining economy and convenience with the safety and efficiency of the pipe system. You can't secure this combination elsewhere. Investigate the

BLUE HEN COLONY BROODER

Heated by hot-water pipe coils; self-feeding and self-regulating; burns coal; perfect in construction; *gives the best results;* makes chick-raising a pleasure and insures profits. Two sizes, for any number of chicks up to 1500.

Sold under a clean-cut money-back guarantee.

FREE Our new and complete guide to the successful raising of chicks by artificial methods—*The Handbook of Brooding.* Written by America's foremost authority. Worth dollars but mailed free on request. Write for your copy now!

Watson Manufacturing Company

Drawer 21 Lancaster, Penna.

Current News of the Poultry World

by J. F. Shureman



Col. H. C. Trexler, well known poultryman and owner of a large and successful poultry plant at Cetronia, Pa., is establishing a second plant at Lowhill, with buildings to accommodate 5,000 laying hens, all S. C. White Leghorns. Col. Trexler has met with remarkable success at his Cetronia plant, where he is installing a 6,000-egg incubator. He expects to establish a third plant at some convenient point in the spring.

Prof. H. R. Lewis, husbandman of the New Jersey Experimental Station and recognized as one of the foremost authorities on pure-bred poultry in this country, is urging the poultrymen of New Jersey to organize a state association for the promotion of the industry and is meeting with much encouragement.

Dr. W. A. Bell, formerly of Toledo, Ohio, but for the past fifteen years a resident of Toronto and Winnipeg, Canada, passed away at his home in the latter city on October 13. Mr. Bell took a great interest in the poultry industry and while a resident of Toledo was one of the promoters of the Toledo poultry show. He was 52 years of age.

Judge W. S. Russell, of Ottumwa, Iowa, has been appointed superintendent of the display and sales department of poultry at the Panama-Pacific Exposition. This department of the poultry show at the big fair will have a continuous display of the various breeds and varieties of poultry during the entire period of the exposition.

The Department of Poultry Husbandry of the New York State College of Agriculture is carrying on an active campaign to assist the poultrymen of the state in culling their layers for winter egg production and in selecting breeding stock. Several members of the staff of the Department of Poultry Husbandry are visiting poultrymen in various sections of the state to give instruction in grading the stock. The work is done without charge except for hotel and traveling expenses.

When John W. Ward, Jr., the famous importer and breeder of Dark Cornish fowl, opened his shipping coops at the recent Allentown, Pa., fair, he found eight of his finest birds dead, including the two cocks, "Uncle Sam" and "John Bull," birds that cost him $700 each in England a few months ago.

A strange disease, resembling limberneck, has attacked the fowls in the Cumberland valley in Pennsylvania, resulting in the loss in some instances of entire flocks.

The Missouri State Poultry Association, the largest state organization of its kind in the United States, with a membership of a few more than 4,000 poultry breeders and farmers, has inaugurated a campaign to increase the membership to 4,500 by Thanksgiving week.

Damage to the amount of $10,000 was done by fire of mysterious origin at the Stouffer Duck Farm, near White Hill, Pa., one night recently. A grain storage house, boiler house and other buildings were destroyed. Although there were thousands of ducks on the farm, comparatively few were burned.

F. M. Grant, recently of California, is preparing to establish a large poultry and squab farm near Tucson, Arizona. He is an experienced poultryman and will engage in the business on an extensive scale.

Messrs. Briggs, Dodson and Gilmore, owners of the famous Pittsfield Poultry Farms in Maine and a branch plant in Massachusetts, are making plans to increase their output next year to 2,000,000 chicks.

Owing to the high cost of feed, the duck growers of Long Island will lose money this year, according to report.

The Massachusetts State Poultry Association, which has been in existence four or five years, has been dissolved, and to take its place the Massachusetts Poultry Association, Incorporated, has been organized. All members of the old association become members of the new organization automatically and its membership to start with is about 400. The

Smith's S. C. Buff Leghorns

The Largest Exclusive Breeder of Buffs in the World.

I have no other breeds. They are the world's best layers when eggs are high, and winners at thirteen of the largest shows. Eggs, Chicks, Breeding Stock and Show Birds by the thousands. If you want to win at the big shows send me your order and I will please you. Send ten cents for catalogue and find out how to raise 150 pullets to six months of age, for 15½ cents each.

F. S. SMITH Life Member A. P. A. and Life Member Single Comb Buff Leghorn Club **Box C and D, HAMILTON, O.**



First Cockerel, Chicago, 1913

Parmenter's S. C. White Leghorns

are the kind you will buy when you wish the best. They can easily prove their claim to being the best by their magnificent show record at the great Chicago Coliseum Show, where in the largest and best Leghorn class ever assembled in the West, they won as follows:

Special for Best Colored Male
1st, 3d, 4th, and 5th Cock
1st, 3d and 4th Cockerel
1st and 3d Hen
1st Old Pen

1st Young Pen
Special for Best Shaped Male
$50 Silver Cup for Best Display
Running four times as many points as nearest competitor.

$10.00 Gold Special for Best Display
Swiss Gold Watch for Best Exhibit
And Sweepstakes

Right now I have about four hundred of the best birds I ever raised. They have the type that is recognized as correct by leading judges in America. They have an inherited power of egg production which they exercise throughout the whole year. I can furnish winners that will set the pace at any show and will sell at prices that will move them quick. Write me at once for what you need in White Leghorns. Satisfaction absolutely guaranteed.

ROBERT PARMENTER **KNOXVILLE, ILLINOIS**

officers, who are also the incorporators, are as follows: President, C. L. Wilder, Lancaster; first vice-president, Prof. J. C. Graham, Amherst; second vice-president, W. E. Blodgett, Springfield; treasurer, F. A. Hannaford, South Lancaster; temporary secretary, Clifton W. Whitney, Boston.

Students of the Agricultural and Mechanical College at College Station, Tex., are to study poultry culture. More technical phases of the poultry industry will be taught only those seniors in the animal husbandry department who select such a course, but a practical, broad-gauged course in the breeding, feeding and general management of poultry and the production and marketing of eggs will be given every student in the college.

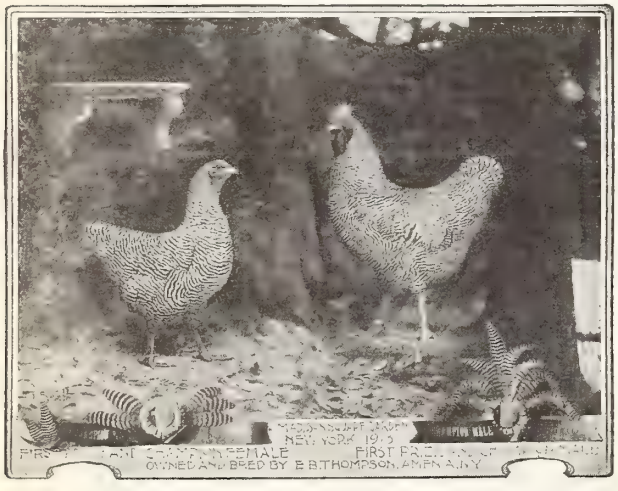
Prof. J. C. Linton, of the Michigan Agricultural College, sees a great opportunity for the poultrymen of this country as a result of the situation brought about by the European war. He urges poultrymen to increase their flocks, for he believes higher prices and greater demand for American chickens and eggs are certain to come because of the check placed upon the poultry business in Europe by the great conflict.

Leonard Ott, of Prophetstown, Ill., reports the banner pullet for 1914. She was hatched January 1 of the present year and is now running with her second brood of chicks hatched from her own eggs. Before she was six months old she had weaned her first brood of chicks.

READ PAGE 1412 QUICK

E. B. Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Are the Greatest Achievement in Modern Barred Rock Breeding. They Are the Product of Over Thirty Years' Skill.



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Early Winning Show Birds

I now offer the finest early hatched exhibition birds I have ever produced—grand size and shape, fine heads, even clear blue color, and narrow clean cut vivid barring to the skin. They are matchless and ready to win prizes for you in any competition in the world. The prices are very reasonable.

My Imperial "Ringlet" Barred Rocks have demonstrated to all the world a distinctive superiority—they stand without a rival as the leading first prize winners at America's Imperial Show, Madison Square Garden, New York.

A Great Light on the Subject of New York Records

The Imperial "Ringlets," exhibited by me personally, have won at New York a grand total of **32 first prizes**—this is more than double the number ever won by any competitor—no other Barred Rock breeder in the world has ever won more than 13 first prizes in the entire history of the New York show—**mark the difference. Furthermore**—I am the only living Barred Rock breeder who has ever won all the regular and special prizes on pullets at a single New York Show, viz: **1st, 2d, 3d, 4th and 5th;** all the regular and special prizes on cockerels, viz: **1st, 2d, 3d, 4th and 5th** at one show; both Sweepstakes Champion Male and Sweepstakes Champion Female at one and the same show in Madison Square Garden.

These prizes mean something—they sweep away at one stroke all doubts and settle the question of the world's leadership.

(See my ad on back cover page for wonderful record at last winter's Madison Square Garden, 1913-14, Show. This achievement takes rank in history as the most wonderful ever recorded on Barred Rocks since the N. Y. Show was founded.)

If you want to win and breed winners you must have my Imperial "Ringlets"—the best is none too good for my customers. I will sell you grand exhibition birds for any show, and breeders of this richest first prize New York blood in elegant single birds, and trios and pens mated to produce winners.

Richly illustrated 70-page catalogue upon application—it is full of pictures of New York winners from life.

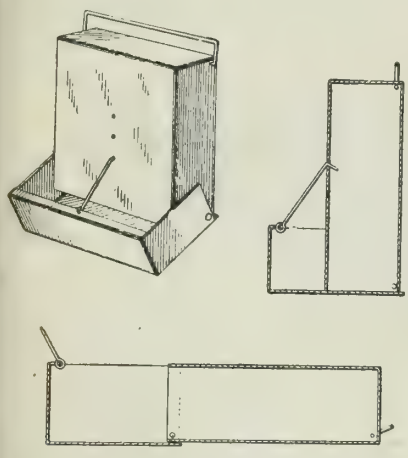
See my other ad on back cover page.

Address E. B. Thompson Lock Box 510, AMENIA, NEW YORK

Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.

A Poultry Feeder, invented by Michael Wm. Lawlor, Needham Heights, Mass., has a novel pivoted trough into which the feed may flow from the open bottom of the body of the feeder. A hook carried by the front part of the trough is adapted to engage with the body of the feeder to hold the pivoted trough at such downwardly inclined position as will facilitate the downflow of grain into the trough from which the poultry feed. To fill the feeder the trough is swung down into alignment with the body of the feeder, so that feed may readily be poured in through the open bottom. The feeder may be hung against a wall. A half interest in the patent is owned by the Ideal Can Company, Inc., Boston, Mass. Patent No. 1,114,892.

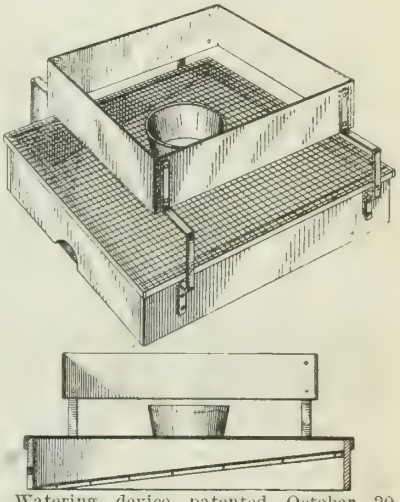


Poultry Feeder patented Oct. 27, 1914, by Michael W. Lawler, Needham Heights, Mass. No. 1,114,892.

William A. Brandt, Healdsburg, Cal., is the inventor of an Egg Washing and Rinsing Machine. It scrubs the eggs and simultaneously applies water and washing powder to them; then automatically drops successive eggs into a rinsing tank, and finally conducts the eggs out of the rinsing tank upon a drying table. Co-operating brushes hold the eggs, the brushes being intermittently separated. The various devices are timed to insure their co-operation in properly carrying out the desired function. Patent No. 1,113,190.

An Electric Incubator, invented by Eugene F. A. Carey, Missoula, Mont., has novel means for maintaining an even temperature within the incubator. It is reported to have produced excellent hatches last season. It has three electrical circuits utilized for heating purposes. The first circuit raises the temperature nearly to the incubating point, whereupon a thermostat connects up a second circuit and under ordinary conditions retains the egg chamber at the incubating chamber. Any sudden increase in electric current will operate a thermostat, which connects a third circuit, the resistance of which combined with the first two will lower the temperature to the proper incubating point. Electrical connections, including a push button, connects lamps in the second circuit directly with the supply terminal of the first circuit for putting full voltage across the terminals of the lamps when it is desired to illuminate the interior of the incubator. Patent 1,113,955.

Howard Elwood Hoyle, Whittier, Iowa, is the inventor of a Poultry Watering Device. It is designed with the object of preventing ducks from splashing water around the vessel in which they bathe, the vessel being provided with a novel catch basin and guard, as shown. It comprises an open frame, a catch basin



Watering device patented October 20, 1914, by Howard Elwood Hoyle, Whittier, Iowa. No. 1,114,264.

Wisconsin Wins In Big Hatching Contests Every Year

130 Egg Incubator
130 Chick Brooder
BOTH For $10 Freight Paid East of Rockies

1910	1911	1912	1913	1914
Mrs. J. L. Mahon, Veedersburg, Ind., in 1910 won in Missouri Valley Farmer Hatching contest, hatching 425 chicks from 126 eggs.	Mr. C. B. Armitage, Atwater, Ohio, in 1911 won in Successful Farming contest, getting 181 chicks from 151 eggs in two batches.	Mrs. J. W. Mize Vaughns Mill, Ky., in 1912 won in Successful Farming contest getting 206 chicks from 209 eggs in two settings.	Mrs. F. H. Lewis, Montrose, Pa., in 1913 won it Successful Farming contest getting 96 chicks from 96 eggs in one setting.	Mr. C. C. Rich, Russiaville, Ind., won in 1914 Successful Farming Hatching contest getting 94 chicks from 94 eggs—the first hatch he ever made with incubator.

Think of it! You Can have a Pair of These Famous Prize Winners for Only $10—Freight Paid East of the Rockies or 180 Egg Incubator Chick Brooder Both $12

Wisconsins have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating, Nursery under tray. Incubator and Brooder shipped complete with thermometers, lamps, egg testers, all set up, ready to use when you get them. Incubators finished in their natural color showing the high grade California Redwood lumber we use—not painted to cover up cheap material. If you will send for our catalog we will gladly send you a sample of the material, then you can compare it with the kind others use. Be sure to find out what material an incubator is made of before you buy. If you will do this we know you will order a Wisconsin. Machines shipped on 30 days trial. Money back if not satisfied. **Wisconsin Incubator Co., Box 54, Racine, Wis.**



Let Us Send You Birds That WILL Win



1st Pullet Grand Central Palace 1913

RANCOCAS
White Leghorns and White Rocks

Have won first prizes and specials this Fall at such big shows as New York State Fair, Brockton, Mass. and New Jersey State Fair.

Write for our full winnings and our plan for guaranteeing birds to win at your show.

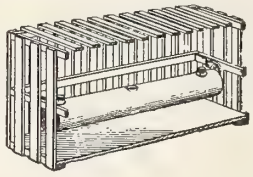
Rancocas Poultry Farms, Box 510, Browns Mills, N. J.

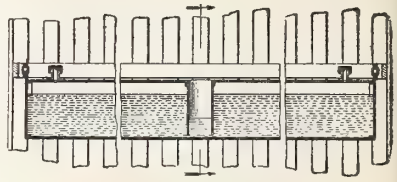


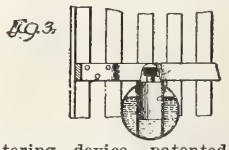
1st Cock Syracuse, 1914

inside the frame, a support for a water vessel mounted over the top of the frame and an inclosing shield carried by the frame. The shield is spaced at the bottom from the top of the frame. Patent 1,114,264.

A Watering Device for Poultry and Animals is the invention of Charles C. Driscoll. It is primarily intended for watering fowls or livestock during transportation. It comprises an elongated hollow tank having an open-ended tube arranged in an upright position with its lower end dipping into the water in the tank, the tank being closed throughout its length except for the vertical tube, a normally closed air-valve in the top wall of the tank, and supports for the tank. The tank is supported so as to be free to swing on a horizontal axis located above its center of gravity to automatic



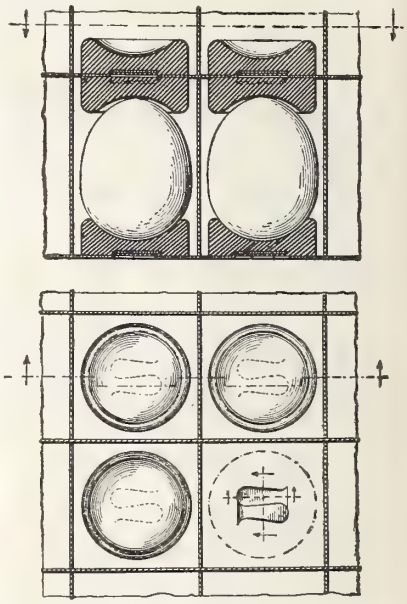




Watering device, patented October 13, 1914, by Charles C. Driscoll. No. 1,113,206.

ally right itself when swung out of normal position. Patent 1,113,206.

A new Egg Crate has been patented by Claris H. Arnold, Eaton Rapids, Mich. Novel cushioned egg retainers are employed for each cell, as illustrated. In the packing operation, a bottom plate is disposed on the flooring of the casing. The retainers are then secured to it. Fillers are then put into the casing, each cell holding one of the retainers. Eggs are placed endwise within the cells, with their ends resting in the concave portion of the retainer cushions. A second plate, carrying oppositely disposed retainer cushions, is then placed upon the upper edges of the filler. The inverted retain



Egg crate patented October 27, 1914, by Claris H. Arnold, Eaton Rapids, Mich. No. 1,115,270.

ers enter the filler cells and engage the free ends of the eggs, while the retainers disposed in an upright position act as supports for the succeeding series of eggs. Patent 1,115,270.

S. C. WHITE LEGHORNS

For sale—Exhibition birds guaranteed to win in any competition. If you are looking for males or females for the Fall and Winter shows, I have the birds you want and will ship them on approval. Address

W. L. FERN **682 Slade Avenue** **ELGIN, ILL.**

Keller's Wyandottes Are Winners Everywhere

They have won 300 premiums at New York show. If you want show birds in old or young or the finest of breeding birds or for utility I can supply them in numbers to suit of the finest in Silver, Golden or Whites. I have 1,000 fine birds to spare at bargain prices. No finer Wyandottes in the world. I have line-bred them for thirty-two years. I have the finest narrow-laced Golden Sebrights to spare in the country. Nicely illustrated circular free. Mention American Poultry Journal when writing.

Ira C. Keller **Brookside Farms** **Box 75, Prospect, Ohio**



1st Cockerel, 2nd Cock and 1st Pen Cockerel Madison Square Garden, 1913

BARKER'S LANGSHANS

First Prize Winners

at Chicago Coliseum and Madison Square Garden, New York Shows.

I am not expecting to show anywhere this season. I am therefore better able than ever before to supply show birds for any competition. I have more birds and better quality than ever.

Please write me fully. Satisfaction guaranteed always. Free catalogue.

M. S. Barker, R. F. D. 1, Thorntown, Ind.

Hawkins' Barred Rocks

READY TO WIN

For 30 years they have produced more winners at **New York, Boston, Chicago** and the **World's Greatest Shows** than any other strain. They show more **quality** this season than ever before. A flock of 21 pullets of this strain averaged **207 eggs in a year. Winning show birds and choice breeders for sale.** Big Catalog of the Champions free.

A. C. HAWKINS **Lock Box 25** **LANCASTER, MASS.**

"PREMIER"

Partridge Wyandottes

Unexcelled for Beauty and Utility

Awarded more First Prizes than any other strain of this variety in America. With "Premier" Partridge Wyandottes you can **win in strongest competition. In the lead as a general purpose fowl,** hardy, quick to mature, fine Winter layers. Attractive prices on high class birds. Choice cockerels bred to meet the requirements of the 1915 Standard. Illustrated circular on request.

Beauty and Utility
PREMIER
S — PARTRIDGE — F
WYANDOTTES
Sheffield Farm, Glendale, Ohio.

TIMELY POULTRY TOPICS.

BY PLUMMER M'CULLOUGH.

We are glad to see that Mr. Fishel was re-elected treasurer of the A. P. A., as we believe he is better fitted for the position than the average breeder. He has done a lot of good work for the poultry industry and we need more of his stripe.

In the R. P. J. many of the leading breeders and advertisers are expressing their opinion regarding the retouching of photographs of fowls and most of them are not in favor it. A few have no objection to the artist touching up the background, etc., but do not think an artist has a right to "make over" the complete photograph. We have always been opposed to this retouching business because it is I am afraid making the birds appear better than they really are. Of course we have no objections to an artist getting all the good points out of the bird that he can, but we do not believe that an artist has any right to put a good comb on a bird when the bird has a poor comb. We don't think it right for an artist to make a bird full in breast when the bird is really too flat in breast. These are the things that I am opposed to and every honest breeder should be opposed to them. I don't believe, however, that our leading artists do anything dishonest along this line and I hope all poultry artists will follow their example.



"HOY."

S. C. White Leghorn. Undefeated Champion. Winner of ten blues at such shows as Albany and Schenectady. Bred and owned by Bump & Donnan, Box 625, Cambridge, N. Y. Made from retouched photo.

In the *Poultry Fancier* a lady in writing about Indian Runner ducks says: "It is not absolutely necessary to have a pond of water where Indian Runner ducks are raised. They will prosper and be very happy with shallow vessels kept sanitary and filled three or four times a day; but a stream of water is very advantageous to a flock and a great labor saver, also their dexterous swimming keeps the plumage in fine condition and increases the egg yield fifty per cent." Really, friends, if running water increases the egg yield fifty per cent I should think it very necessary. Wouldn't you? If a person had a very large number of laying runners and an increase in egg production of fifty per cent would mean a good many extra dollars in our pockets, and you know we all need the dollars.

We had a letter from a man a few weeks ago who wanted to buy a Collie dog and he proposed coming some Sunday and see what we had to offer. We promptly wrote him and told him as politely as we could that he was welcome to come any week day but to *please* not come on Sunday. We never heard from him again and in fact I didn't expect to. Now was this man offended because we asked him to come during the week? If he was he ought to be. No man has any right to expect to do business on the Sabbath day. If he can't go some week day and see the stock that he wants to see I would advise him to send in his order and have the breeder ship what he wants. If he can't do this or is not willing to do it he had better drop the matter. Every one should remember that the average poultryman likes to have a little time and rest on the Sabbath day without being molested with callers.

I note in the November number of this good old Journal that Mr. St. John seems to think that I am a little wide of the mark when I said that I believe the birds with down between their toes should be disqualified. Well, maybe I am a little feeble-minded, and I am always glad to have my good friends show me where I am off. However, I am not ready to give in on this matter yet. Mr. St. John says: "The 1910 Standard under the head of 'General Disqualifications' says, 'feathers, stubs ... down *on* shanks, feet or toes of clean

R. C. BLACK MINORCAS

Eggs and Stock for Sale. Ask for Prices.

E. M. Campbell, 571 N. Fourth St., Columbus, O.

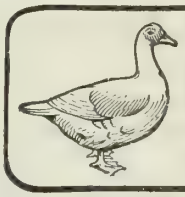
Stock eggs for hatching—day-old chicks. MOUNT PLEASANT FARM, Mount Pocono, Penna.

ADJUSTABLE CLINCH BAND—Strong and Durable



EASY TO PUT ON. 25-20c; 50-35c; 100-65c; 200-$1; 1000-$4.25. No stamps. Return if not satisfactory. Samples free.

FRANK CROSS, Mfgr. Box 506 Montague, Mass.



Pfile's 65 Varieties

farm-raised Land and Water Fowls. Eggs in season. Illus. Catalog, and "Grower's Guide," 2c. **An honest deal.** Write today.

Henry Pfile, Farmer-Poultryman, Box 600, Freeport, Ill.

TRETHAWAY'S

ANTHRACITE STRAIN BLACK MINORCAS

A grand lot of cockerels and pullets will be ready for the Winter shows. If you want to win get the Anthracite; they have won at all leading shows for 25 yrs. All sold on approval and prices right.

Arthur Trethaway, 45 Parish St., Wilkes Barre, Penna.



Bred-to-Lay S. C.

White Leghorns

of quality exclusively. Vigorous, healthy Feb. hatched cockerels at reasonable prices. Catalogue free.

The Elliott Poultry Farm

R. 7, Box 87 Mansfield, Ohio

S. C. White Leghorns

3000 Birds to Sell—Great Layers

1000 Pullets	$1.25 each
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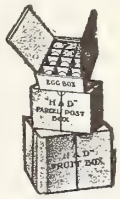
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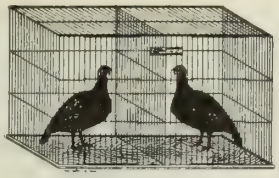
TRUCKENBROD BROS. MENDOTA, ILL.

shanked varieties' shall be a disqualification. But under 'Cutting for Defects' it plainly says that down *between* the toes of all clean shanked varieties shall be cut from ½ to 2 points.'' Now, I will thank the gentleman very much if he will show me in some way where in our 1910 Standard under the heading of ''Cutting for Defects'' it plainly says ''down between the toes of all cleaned shanked varieties shall be cut from ½ to 2 points.'' The fact of the matter is, Mr. St. John, it is not in our 1910 Standard. That was the way it was in the old 1905 Standard, but not so in our present Standard. At least I cannot find anywhere in the cutting for defects where it says anything about the cutting down between the toes and if it does in Mr. St. John's, his Standard must have an extra chapter or two more than mine. I will admit that I believe the Standard makers made a mistake when they made down between the toes a disqualification, but they made it just the same and according to the Standard it is just as much a disqualification as a side sprig on comb or any other disqualification, and there is no use getting around it. Mr. St. John says he cannot see where a judge is justified in disqualifying a bird for this defect. Then I suppose we are not justified in trying to follow the Standard? If the Standard was not made for judges to follow, what was it made for? I don't believe any judge has any right to set up a Standard of his own no matter what he may think along certain lines. If all our judges would put all their pet ideas into practice in the show room we would have a regular mess of it. For instance I always thought it unfair for a Rock to be disqualified for positive white in ear lobes and let all other American varieties pass without disqualifying for this defect. I claim that I would have just as much right to give a first prize to a Rock with white in lobes as you have giving it to a bird with down between the toes I have just as much right to give a first prize to a bird with a little bit of side sprig hardly noticeable as you have to give it to a bird with down between the toes. Both are disqualifications, for the Standard says so. Isn't that enough? When a judge is hired to place the awards he is hired to judge according to the Standard and not to put some of his own pet notions into practice. If he fails to do this he is simply ignoring the Standard and setting up a standard of his own. I think the best way to get a disqualification like this removed from the Standard is to go to work and have the A. P. A. remove it from their next Standard instead of simply ignoring this disqualification because it does not suit your taste. I agree with Mr. St. John that the English people are ahead of us in some particulars. They pay less attention to these minor defects, but I believe our birds are bred down to a finer state of perfection than theirs are. I want to assure Mr. St. John that I am glad he brought this matter up, as it is by knowing each other's opinions that we can plan for a future Standard that will be nearer what we want.

We read with interest Dr. Woods' notes on White Faverolles in last month's Journal and we note that he says that his flock is developing slower than either his Rocks or Reds. He also mentions that they do not seem to have the constitutional vigor that our yellow skinned birds have. While we have not had any personal experience with White

Faverolles I notice that the Doctor's experiments do not agree with many of the breeders who are breeding this variety. *American Poultry World* makes mention of one individual that had almost grown and developed to twice the weight of a Plymouth Rock hatched on the same day. Of course this alone is saying nothing. We have no assurance whether the Plymouth Rock and White Faverolle in question had exactly the same care and housing. Whether they both were fed exactly alike and whether they were both bred from strong, healthy parents. All these things must be taken into consideration and I believe as a rule they have more to do with the growth and development of young stock than the breed or variety itself. I believe, however, that Dr. Woods is giving his readers straight facts in his writings and as he is not partial to any one breed or variety I take great interest in reading his articles and notes.

In the *American Poultry Advocate* we find the following in an editorial: "Poultry keeping as a side line, on a small or moderate scale, offers a golden opportunity for many, many thousands of these men and women. There is no other opening which can be compared with it. We may be sure, therefore, that great numbers—a greater number than ever before—will take up poultry keeping for occupation and for profit during the winter and spring of 1914-1915. Of this outcome we have no doubt. A few months will show whether or not our belief is correct." There is no doubt that many new recruits will be added to the ranks. Many of them will do the poultry industry no good, or themselves either, unless it is to learn that they cannot get rich quick by jumping into the poultry business. It is surprising to see how many of the city people are coming out to farms. We have several real estate agents in this vicinity and all of them seem to be prospering in selling city men farms at a big price, as a rule. I believe it is all right for the city man to want to get out to the country if he wants to, but I surely think they are going at it in the wrong way. Nearly all of them insist on buying a farm. Would it not be a much safer method for them to go and rent a farm for a year or two first and see how they liked farming and farm life? If they did not like it at the end of a year or two they could go back and would be out very little money. On the other hand, if they buy they often pay too much in the first place and then they have a hard time selling without losing money. We have a lot of city men who have come out on farms in this community and I only know of one that has made a success of farming. In fact I can hardly say he has yet as he has only been on his farm for a little less than a year. However, this fellow is not afraid of work and has raised good crops the past season. We know of one of the best farms in this country, a farm of 170 acres, that was sold to a city man about five years ago. This man was a good fellow but he knew no more about farming than I do about flying an aeroplane, and that is very little, I assure you. He was very enthusiastic over the prospects of his poultry business and built two large houses that cost him more than he ever got out of them and invested a lot of good money in stock and appliances when he hardly knew how to set a hen. This man paid $10,000.00 for this farm and



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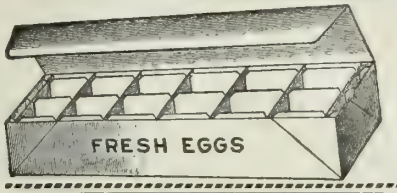
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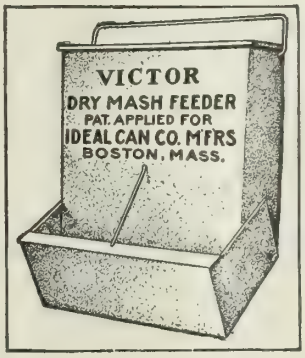
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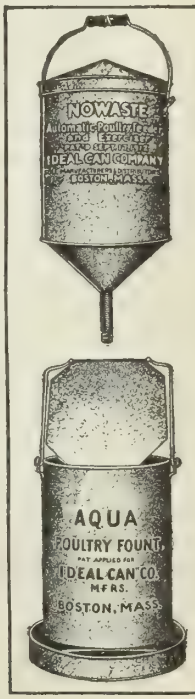
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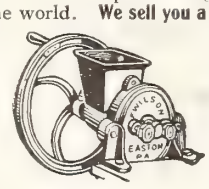


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he was glad to sell it in about three years' time, and while I don't know what he got for it, I do know that he did not get as rich as he expected to. The man to whom he sold it to was a city man also and had a large meat market in the city. I was told yesterday that he was sore of his bargain before two months. He surely did not make anything and I don't know how much he lost. He was also glad to get rid of it on most any kind of a deal and he sold and traded it together for a meat market back in the city. The man that now has it is also a city man and I will make a guess that he will not be there more than a year or two. Now, I can't see for the life of me why any city man wants to come out to the country and invest ten or twelve thousand dollars in a farm and stock before he knows even how to plow a furrow. I think every person who knows nothing of farming should rent some small farm and try keeping poultry on a small scale first. If they like it well enough after a couple of years to stay, then they can buy, but I believe most of them would not buy. If they must buy a farm instead of renting, why do they not buy some small place of thirty or forty acres instead of a large farm where it takes an investment of ten or twelve thousand dollars. They can get all the farming they usually want on a small farm. Because a man has been a successful business man in the city is not saying that he can be just as successful on a farm with no experience. One of the men who bought the large farm which I mentioned did not want any of his city friends to see him with his old clothes on. This was very amusing to others who were not so particular about such matters. You know farmers cannot wear a white collar all the time. This man never had to buy a farm and go in debt for it and if he had he would never got out. He never went through the period where you have to wear patched overalls and have twine for shoe strings. Possibly he could not of stood such things but I want to tell you that I would rather live on a farm with all its disadvantages than to live in the city and be stuffed up between four brick walls with hardly breathing room.

Mr. Platt in his article in R. P. J. on Judging says regarding the scales of points for the different varieties that he does not believe there is a judge in America who can run those scale of points. Well, I believe Mr. Platt is about right and I also believe that most of them have proven this fact.

In the *Poultry Item* Rev. G. R. Smith says, "There are hens and hens. There is as big a difference in the laying capacity of hens as there is in the thinking capacity of men." Well, if that be true, we will all have to admit that there is "some" difference.

In the same journal an inquirer asks, "Which is the best line breeding or out breeding and what system is best to follow?" Editor Cornman answers as follows: "Line breeding, if you wish to produce high class show birds, and would advise you following the I. K. Felch system." While the advice given is no doubt correct, still I will bet it will not be carried out. We have never heard any one find any fault with the Felch system of line breeding, but I have never met a breeder who has claimed to follow it clear through. I doubt very much



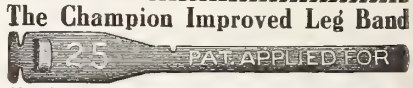
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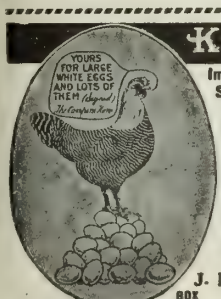
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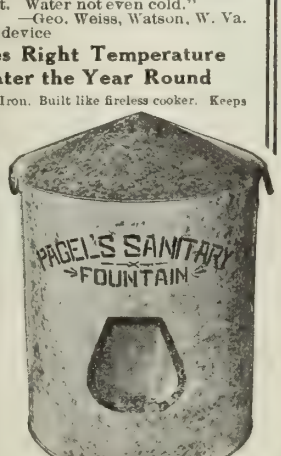
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if any of our leading breeders are doing this today. If it is the right thing to do, why is it not followed more than it is?

We are glad to see that the Penciled Runners are now admitted to the Standard. There was no reason under the sun why they should not be and I believe they will now become more popular than ever. There is one thing that amateurs must learn about Runners, however, and that is that they are not going to shell out eggs by the hundred unless they are properly housed, watered and fed. It is true that they are great egg producers all right, but it is also true that it takes feed to make eggs in ducks as well as in chickens. It is also true that if you fail to do your part you will be disappointed in Runners. That is saying nothing whatever against the breed, as I am a great admirer of them and I know they can produce the eggs if you give them the material to produce them with, but it is up to you just as much as it is to the ducks. Don't forget this.

I see more and more every time I enter a show room how much condition has to do with the placing of the awards. I tell you, friends, no matter how good a bird you have, if you fail to have in A No. 1 condition you will lose out to an inferior bird that is in good condition. A bird must be in good flesh, healthy, vigorous, clean and full of snap or he will not be placed where he really belongs. I remember a judge at a local show a couple of years ago who simply would not give a second look at a white bird that was not washed. He said he was judging fowls and not dirt. While his position did not look reasonable to many, still it goes to show that the judges think a bird must be in proper condition and it is up to the exhibitors to do all they can to help put their birds in such condition.

We wish every reader of the AMERICAN POULTRY JOURNAL a Merry Christmas and a Happy New Year. I certainly enjoy looking over and reading the AMERICAN each month and I read it pretty thoroughly, too. About the first thing I read is the editorials and then Dr. Woods' notes and comments, then Mr. Schwab's Chick Chats. I even take pleasure in reading many of the advertisements. I hope that all our readers like AMERICAN POULTRY JOURNAL fully as well as I do. So again I wish the AMERICAN POULTRY JOURNAL and its entire staff and all its readers a Merry Christmas and a Happy New Year.

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Winners at Chicago, Indianapolis, Memphis, Louisville, Knoxville, Nashville, Shelbyville and at leading fairs. Buy your breeding and exhibition birds from us. We are Specialists in Barred Rocks, have bred them for 23 years. Send for our catalogue No. 3 before placing your order elsewhere. Satisfaction guaranteed.

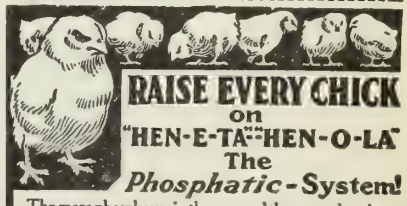
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Box A Louisville, Ky.

I have closed out my stock of

ORPINGTONS

and am out of the business.

A. A. Anderson Macon, Ill.



RAISE EVERY CHICK on "HEN-E-TA" "HEN-O-LA" The *Phosphatic*-System!

The more phosphorus in the egg and the more phosphorus in the egg-shell, the greater the fertility, the better the hatch and the hardier the new-born chick.

The Hen-e-ta-Hen-o-la System eliminates all bowel-trouble; reduces mortality to a minimum; grows and develops the chicks faster and cheaper into strong, rugged, healthy "egg-producing" birds.

Ask your dealer or write us for new booklet, entitled: *"The Successful Way to Grow Little Chicks."*

HENETA BONE CO., Dept. 1, Newark, N. J.

A NEW METHOD OF SELLING

A modern selling system—absolute recording of every sale on record sheets, enables poultrymen to keep track of the quality of birds sold. System is based on "unit" principles and will make uniform charging of prices a possibility. A judge's record card for comparison shows. Understood by amateur and professional exhibitors. Better than the score card system.—Copyright 1914 by Louis A. Stahmer.

THE most unsatisfactory part of the poultry business is the selling end of it. It is easier to raise to maturity a fine flock of fowls than it is to obtain a good price for them. Getting the price the birds are worth is one of the problems of the thoroughbred poultry business. The producer is either not giving enough value for the money received or he is cheating himself by giving too much and, on the other hand, the purchaser either thinks he is overcharged and calls the poultry business a delusion and a snare, or he lauds the seller to the sky for giving him better value than expected. The most kicking, and in many cases it is fully justified, is done by the buyer who orders stock for a second time from a breeder and does not get the value he got with his first purchase.

After an observation of these conditions for many years, we have come to the conclusion that if a system could be devised to fix a uniform value on the quality of a breeder's flock, a lot of this dissatisfaction would be done away with. The more we thought of this subject the greater became the desire to help the producer and after spending considerable time studying the subject, we have devised a system which we believe will fill the bill to the entire satisfaction and offer the same to the poultry breeders of the world with the hope of its general adoption.

Before going into the subject any further we will explain our selling-record sheets. (See illustration.) It will be noted that we have divided the sheet into two parts, one for recording the shape and the other the color. Each part is again divided into different sections giving a description of the defects such as are liable to occur. In expressing the quality of each section we have adopted the following words, "Excellent," with a numerical value of 5; "Good," with a numerical value of 4; "Fair," with a numerical value of 3; "Medium," with a numerical value of 2, and "Poor," with a numerical value of 1. The record sheets are self-explanatory, as will be seen by the illustration and any one will be able to fill them out in the proper manner. A carbon copy is kept for future reference, thus giving the seller an accurate record of former sales.

The principle of our system is the application of a uniform price for every unit of quality, and all that is necessary to use the system is, first of all, that the breeder must establish his "unit" price. Believing that every poultry breeder has at least one bird on the place which he knows will satisfy the purchaser for the money, we will use this bird as a price-maker for his entire flock.

Let us assume that John Smith has a bird which he has either bought for $5 and is absolutely satisfied with his bargain, or that he has a bird for sale which he knows will give satisfaction for this amount of money. He now takes this bird and scores it in accordance with the record sheet section by section making a check mark in the explanatory part and also under the heading under which it belongs (excellent, good, fair, etc.). Adding up the total in each column, he finds that this particular bird has 8 checks for "excellent," 10 checks for "good," 7 checks for "fair" and I check for "poor." As each check under "excellent has a value of 5, each check under "good" a value of 4 and each check under "fair" a value of 3, the totals add up to 101. As the bird also has one check under "poor," he deducts 1 from the total. As "poor" cannot be considered a qualification, he therefore deducts it from the total, thus giving the bird a total of 100 units. Dividing $5 by this number gives him the unit value for his entire flock, and all that will be necessary for future sales is to take any bird, score it according to the record sheets and multiply the total by the accepted unit value. Birds of different qualities will naturally show a greater or lesser number of units. As a carbon record is kept of each sale, the producer will at all times know what kind of a bird he sold a customer before, as the record will show every defect and quality for each section, and it stands to reason, therefore, that every sale will give satisfaction, providing the producer sticks to his unit value and does not change it.

If a breeder's flock continues to show marked improvements in color and shape the records will naturally show a greater number checks for "excellent" or "good" and the value of the bird will, therefore, be greater. The breeder who has bred a certain variety for years and whose flock has become known for certain characteristics such as excellent head points, low tail carriage or color

SALES RECORD AND COMPARISON SCORE CARD

Designed by LOUIS A. STAHMER

SHAPE — Breed R. I. Red — Coop No. 147 — No. in Class ..... — **COLOR**

	Excellent	Good	Fair	Medium	Poor
COMB					
Points ~~Few~~ ~~Many~~ ~~Long~~ ~~Short~~ Follows Head ~~Does Not~~ ~~Ill-Shape~~ ~~Large~~ ~~Small~~ ~~Telescoped~~ Fish Tailed ~~Lopped~~ ~~Thumb Mark~~ Twisted ~~Hollow Center~~ ~~Injured~~		X			
WATTLES					
~~Rough~~ ~~Smooth~~ ~~Wrinkled~~ Folded ~~Thick~~ ~~Thin~~ ~~Large~~ ~~Small~~ ~~Unequal in Size~~		X			
HEAD					
~~Large~~ ~~Small~~ ~~Narrow~~ Wide ~~Snaky~~ ~~Short~~ ~~Bare~~	X				
EYES					
~~Large~~ ~~Small~~ ~~Missing~~ ~~Injured~~		X			
EAR LOBES					
~~Large~~ ~~Small~~ ~~Irregular Shape~~		X			
BEAK					
~~Long~~ ~~Short~~ ~~Straight~~ Curved ~~Crossed~~ ~~Injured~~		X			
NECK					
~~Long~~ ~~Short~~ ~~Thick~~ Thin ~~Plumage Rough or Scanty~~			X		
BACK					
~~Long~~ ~~Short~~ ~~Narrow~~ Cushion ~~Straight~~ ~~Curved~~ ~~Plumage Rough and Scanty~~	X				
TAIL					
~~Carried High~~ ~~Low~~ ~~Sickles Short~~ ~~Broken~~ ~~Missing~~ ~~Pinched~~ Maintain Feathers ~~Broken~~ ~~Missing~~	X				
WINGS					
~~Carried High~~ ~~Low~~ ~~Slipped~~ ~~Large~~ ~~Small~~ ~~Primaries or Secondaries Missing~~ ~~Broken~~		X			
BREAST					
~~Narrow~~ ~~Flat~~ ~~Low~~ ~~Crooked Keel~~	X				
BODY and FLUFF					
~~Deep~~ ~~Small~~ ~~Bagged~~ Short ~~Narrow~~ ~~Scant~~		X			
LEGS and TOES					
~~Long~~ ~~Short~~ ~~Bowed~~ ~~Twisted~~ ~~Crooked~~ ~~Scaly~~ ~~Knock Kneed~~ Duck Foot ~~Nails Missing~~ ~~Stubs~~			X		
	5	6	2		

	Excellent	Good	Fair	Medium	Poor
GENERAL APPEARANCE Of Breed Type and Characteristics: Excellent	X				
WEIGHT, SIZE and CONDITION ~~Under~~ ~~Over~~ ~~Small~~ ~~Rangy~~ ~~Dirty~~ ~~Rough Plumage~~ ~~Wild~~ ~~Undeveloped~~	X				
HEAD ~~Light~~ ~~Dark~~ ~~Ticking~~ ~~Red~~ White ~~Yellow~~ ~~Black~~		X			
EYES ~~Colored~~ ~~Light~~ ~~Dark~~ ~~Off~~ ~~Don't Match~~			X		
EAR LOBES ~~Not Smooth Enough~~ ~~Red~~ ~~Yellow~~ White ~~Creamy~~			X		
BEAK ~~Light~~ ~~Dark~~ ~~Spotted~~ ~~Striped~~					X
NECK ~~Barring Wide~~ ~~Smoky~~ ~~Irregular~~ ~~Poor Tips~~ ~~Brassy~~ ~~Light~~ ~~Dark~~ ~~Foreign Color~~ ~~Creamy~~ ~~Too Much Ticking~~ ~~Striping~~ ~~Under Color Light~~ ~~Dark~~			X		
BACK ~~Barring Wide~~ ~~Narrow~~ ~~Smoky~~ ~~Irregular~~ ~~Poor Tips~~ ~~Brassy~~ ~~Light~~ ~~Dark~~ ~~Foreign Color~~ ~~Creamy~~ ~~Too Much Ticking~~ ~~Striping~~ ~~Under Color Light~~ ~~Dark~~ ~~Poor Sheen~~	X				
TAIL ~~Barring Wide~~ ~~Narrow~~ ~~Smoky~~ ~~Irregular~~ ~~Poor Tips~~ ~~Uneven Color~~ ~~Light~~ ~~Dark~~ ~~Foreign Color~~ ~~Creamy~~ ~~Under Color Light~~ ~~Dark~~			X		
WINGS ~~Barring Wide~~ ~~Narrow~~ ~~Smoky~~ ~~Irregular~~ ~~Poor Tips~~ ~~Brassy~~ ~~Light~~ ~~Dark~~ ~~Foreign Color~~ ~~Creamy~~ ~~Under Color Light~~ ~~Dark~~ ~~Poor Sheen~~		X			
BREAST ~~Baring Wide~~ ~~Narrow~~ ~~Smoky~~ ~~Irregular~~ ~~Poor Tips~~ ~~Brassy~~ ~~Light~~ ~~Dark~~ ~~Foreign Color~~ ~~Creamy~~ ~~Under Color Light~~ ~~Dark~~	X				
BODY and FLUFF ~~Barring Wide~~ ~~Narrow~~ ~~Smoky~~ ~~Irregular~~ ~~Poor Tips~~ ~~Brassy~~ ~~Light~~ ~~Dark~~ ~~Foreign Color~~ ~~Creamy~~ ~~Under Color Light~~ ~~Dark~~		X			
LEGS and TOES ~~Light~~ ~~Dark~~ ~~Feathered~~ ~~Spotted~~ ~~Foreign Color~~			X		
	3	4	5		1

No. Quality Units ..... *100* Value of bird *$5.00*

Quotation to ..... *John Brown*

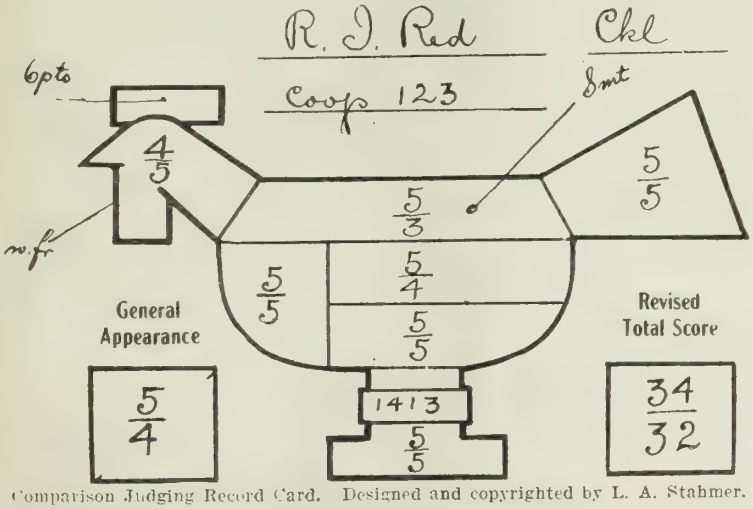
Answering his letter of ..... *Nov .10, 1914* ..... *Adv.* Key *A*

can easily value such sections in which his flock excels twice or three times the unit value.

We would recommend that a record sheet properly filled out be sent to the prospective customer giving him an idea in advance what to expect for the money.

The Standard of Perfection shows pictures of perfect specimens and is a reliable guide for forming an opinion of one's flock and no poultry breeder should be without it.

The record sheets which we have devised can also be used as excellent score cards for comparison judging and will give the amateur a correct statement of the quality of his bird which the regular score card does not do. It is understood, of course, that fabulous or fictitious values cannot be used for obtaining the unit value for one's flock. Any bird of average quality will give better satisfaction in obtaining the standard for future sales.



Comparison Judging Record Card. Designed and copyrighted by L. A. Stahmer.

Explanation of the Comparison Judging Record Card.

Comparison judging is used in nearly every show in the country, and while it is absolutely satisfactory to the big breeder who knows his variety as well as the judge, it is not satisfactory to the small breeder or amateur making his first exhibition, as he receives no record to show the quality of his bird.

Believing that if some kind of a card record showing the quality of the bird were given to every exhibitor at a comparison show, the results would be accepted in a more satisfactory manner, we have designed one to meet this purpose. (See illustration.) Judges, especially, will find this card a great help, as they can keep absolute track of every bird in the classes they are judging and will prevent many squabbles in the show room, as the record card will explain everything to the exhibitor.

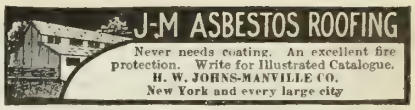
For the sake of convenience, we have divided the fowl into 7 sections and as no bird is absolutely perfect, we have adopted the following 5 grades to denote the quality of each section for the expression of the judge's opinion, "excellent," "good," "fair," "medium," "poor." To avoid writing out the whole word, we are using the following numbers instead: 5 for "excellent," 4 for "good," 3 for "fair," 2 for "medium" and 1 for "poor." In using the card the numbers are used as follows: 5/4, for instance, meaning excellent shape, good color. We would suggest that the shape always be written above the line and the color below. The judge in the show room will size up the bird as he stands in the coop without handling and the first operation will be to fill in the value of "first general appearance" in the space provided for the same. After he has sized up all his birds in this manner he will now take the bird out of the cage and go over it section by section marking the values in the proper places.

After all sections have been gone over and the leg band number has been noted in its place, he will add up the totals of color and shape and write the amount in the space under "revised total score." If a bird is poor in a section, either in color or shape, deduct 1 from the total for each section in which this mark appears. Other indications can be made on the card by drawing pencil lines to the spot and writing an explanation on the margin. For instance, for smut in Rhode Island Reds a line could be drawn to the exact spot where it occurs and in the margin the abbreviation "sm." or other indicating letters will give the judge the exact knowledge of the defect and will also protect him from having birds switched on him. We have used this card and it has given excellent satisfaction. Especially in parti-colored birds, where the classes are large, it will enable the judge to score them much faster and better than any other system.



My world-famed layer, whose daughters are also making good.

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BARRED PLYMOUTH ROCKS
If interested in a strain that **Fills the Egg Basket,** I can supply you.
1200 choice breeders at $2.00 and $3.00 each. A superb lot of pedigreed stock from high record hens, $5.00 each.
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I WILL select about 50 cockerels from about 1000 S. C. White Orpington chicks raised, 4 and 5 point combs, perfectly white, correct eyes, heavy bone, raised out on range and hardy. I'll only have 50. Let me book your order now for your wants.
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If you want one portable house for keeping a few chickens on your back lot, or if you want a number of colony houses, do not fail to write for circulars and prices on portable chicken houses. Many styles and sizes. Shipments made from coast to coast. Prices $9.00 to $50.00. Write for circulars to-day. Mention A. P. J.
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Fishel Strain. Big husky cockerels and pullets. Baby chix. Two Wyandotte cocks. We charge no fee for booking baby chix.
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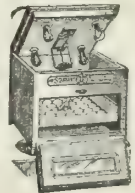
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BREEDERS FOR SALE
1000 choice birds to sell of my best breeding lines. Write for prices on wants. Mention A. P. J.
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Perfection Blue Barred Rocks

I can furnish you a winner from my Chicago, Cedar Rapids and Davenport winners at rational prices.
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400 For Sale—In order to make room for growing stock, am offering some fine prize winners and show stock at living prices. Also young stock from birds that won 1st prizes at Freeport, Lanark, Mt. Carroll and Savanna, Ill. Have won 1st prizes everywhere I have exhibited. Also have 40 one-year-old cocks scoring 94½. Good type and weight. Write me your wants. Mention this paper.
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Two great poultry enemies. Use Dr. Roberts' **Roup Paste** and **Poultry Louse Powder.** Get also at your drug store Dr. Roberts' Prescriptions for **Cholera, Canker, Gapes,** etc. 3500 agencies in U. S. Dr. Roberts will advise and personally answer your questions on all poultry troubles on receipt of 50c.
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LO-GLO Incubators embody in the highest degree every qualification for the successful hatching of strong, vital chicks from every hatchable egg.
All Steel, Odorless, Smokeless, Sweet, Sanitary. Prices no higher than other standard makes.
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A few high class exhibition birds and some excellent breeders to spare. Let me know your needs and I will quote you prices that must appeal to you.
T. A. Scott, Bethany, Illinois

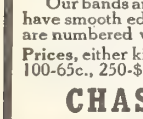
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The Tywacana Farms Indian Head signifies hardy, vigorous birds of great laying ability.
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White Leghorns, Barred and White Plymouth Rocks have years of utility breeding back of them. They are large, beautiful, thrifty and profitable birds. Write for catalogue.
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Wellcome's Famous
"Ideal" Trap Nest
Shows which Hen Laid the Egg
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Write NOW for prices and proof.

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Finest Quality
Lowest Prices
Engage now for Spring Delivery
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Leg Bands
Tell the Age of Poultry
Tell which are yearling hens and which are two year olds. For laying purposes it does not pay to keep hens after the second laying season. The pullets and the yearlings are the profit makers.
LEG BAND your birds and then you will know which to keep and which to kill or sell.
Our bands are made from heavy aluminum, have smooth edges, locks with double clamps, are numbered with large RAISED FIGURES.
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The Capital Adjustable

SPECIAL POULTRY COURSE.

THE unusual interest in poultry raising brought about by the rise in price of other foodstuffs has increased the demand for poultry instruction. To meet this demand the College of Agriculture of the University of Missouri has established a Special Poultry Course. The course is for busy people. It lasts seven weeks, beginning Monday, January 4, 1915, and ending Saturday, February 20. To acquaint the student with the problems of the poultry man, to teach him how to raise chickens more efficiently, to make him realize the chances of failure and also the opportunities for success—these are some of the things the Special Poultry Course aims to accomplish.

The work is designed especially for the busy man who cannot spend more than seven weeks in fitting himself to be a poultry specialist, or to operate a small poultry plant with the same exactness that a poultry specialist would demand. The course covers the same field as that pursued by regular students, but takes up only the more practical aspects of the work. It deals with the fundamental things. It presents in a plain, sensible manner the principles of poultry culture and acquaints the student with the practices of poultry raising.

The equipment of the poultry department is complete and modern. The poultry building is a stone structure 30x60 and has three class rooms besides an incubator cellar, having a dozen types of incubators and a capacity for 2,500 eggs. The poultry plant covers five acres, has a housing capacity of 700 mature birds, and brooding capacity for 2,000 chicks. The buildings have a total of 400 running feet and consist of twenty-five pens for instructional work. The stock consists of many varieties, thus affording the student excellent opportunities to learn the points of the different breeds.

The work consists of lectures, laboratory and practice work. There is a lecture daily upon such subjects as housing, yarding, breeds and breeding, fattening, killing, dressing, marketing, feeding for egg production, diseases, incubating, brooding, and general summer care. The laboratory work is daily and covers the subjects mentioned above, but consists of actual work, such as drawing and criticising plans, judging chickens for fancy and utility purposes, grading eggs, killing and dressing fowls, making and applying louse powder, mating pens, studying incubators, brooders, etc.

The practice course is work in which the student feeds and cares for laying hens, operates incubators, brooders, etc., and learns the art of poultry raising by doing the thing itself.

In addition to the above, the regular student in the Special Poultry Course can supplement his poultry work with work in orcharding and small fruits, and dairying, if he chooses.

For full particulars address H. L. Kempster, University of Missouri, Columbia, Mo.


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for Show Coops, Shipping Coops, Trap-Nests, Warner's Way for Lice, etc. Mention Am. Poultry Journal.

FOGG'S S. C. WHITE LEGHORNS
We can furnish you winners for the fall and winter shows at right prices. Write us your wants now.
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Flanders' S. C. White Leghorns
Send for catalog of Flanders S. C. W. Leghorn eggs, matings, day-old chicks, etc. The greatest prize winners at the last National (Official) Poultry Show. Unequaled for exhibition, flesh, flavor and hardiness and cost no more than others' second-grade.
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Send for free illustrated catalogue, which tells you much you should know. Stock and eggs at all times. Mention A. P. J.
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White Runners
write me for prices. Fine lot of exhibition birds for sale at reasonable prices.
Mention American Poultry Journal.
E. G. CURTIS, Atsion, N. J.

SHEPPARD'S ANCONA FARM.

THE man with push, energy and stick-to-it-iveness is always bound to succeed in any undertaking. Nowhere have we seen this more fully demonstrated than in the success made by H. Cecil Sheppard, Berea, Ohio, "the man who has made Anconas famous."

On a recent visit to the home of Mr. Sheppard he told us in detail just how he started into the poultry business,



Scene in the orchard of the Ancona Farm of H. Cecil Sheppard, Berea, Ohio.

what he had done to insure success, the office detail that is necessary to satisfy his customers in every particular, and the many little things that go toward making a success of the business.

It is only a few years ago that Mr. Sheppard was representing a wholesale manufacturing company of Detroit, Mich., in the capacity of a traveling salesman, and, having a strong desire to get into some kind of business for himself, decided to move to some suburban town where he could take up the poultry business.

In March, 1906, he moved from Cleveland, Ohio, to Berea, Ohio, which is a suburb of Cleveland, and started to work in earnest to develop a business of his own.

At the start he made some mistakes, one of which was his attempt to handle several different varieties of poultry. He started with five different kinds, which included White Leghorns, Rhode Island Reds, Barred Rocks, Minorcas and Anconas. At the end of the first year he discovered his error. He also discovered that during the year the Anconas had laid the most eggs and consumed the least amount of feed, and, therefore, decided to discard all the other varieties and devote his entire attention to developing his own strain of Mottled Anconas.

During his first years in the poultry business he still retained his position on the road, being home only on Saturdays. During his absence the chickens were looked after by the maid, who became very much interested in the work.

The first year showed a profit of about $150 on his poultry, which was very satisfactory in view of the fact that he had done but very little advertising.

The second year he decided to go into the undertaking a little more extensively; raised more stock and did more advertising, which resulted in a net profit from his poultry the second year of $890.51.

Again he decided to go into it a little more extensively, and at the same time he increased his advertising

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Coupon good as part payment on your subscription to this or any other poultry paper, if you will send for my catalogue of Poultry Books and Magazines.

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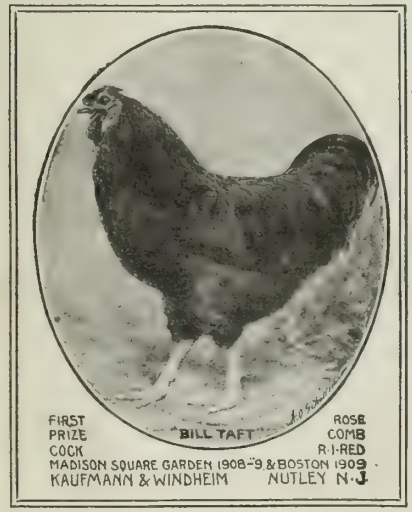
Hens Need Green Cut Bone

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STANDARD IMPROVED 1914 PATENTED BONE CUTTER

It always makes good. Easy running, strong, fast cutting. Has no equal. 12 sizes for hand and power costing from $6.75 to $195.00. Sent on 10 days free trial. Write for free catalogue.

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Rose Comb
Rhode Island Reds

Set the Pace for all America

During the past season, for the first time in the history of our business, we did not sell eggs for hatching. We have today 1,800 head of young stock to sell. The greatest bunch of quality that ever graced this farm. If you want a two dollar and a half bird, if you want a two hundred and fifty dollar bird, you should get more quality here than any other breeder can offer.

The strain that put that deep rich color in all "their" flocks.
Write today for our interesting Fall catalogue called "Facts."

Kaufmann & Windheim, Nutley, N. J.



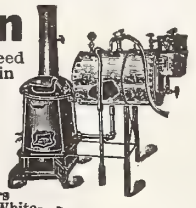
PAPE'S SINGLE COMB

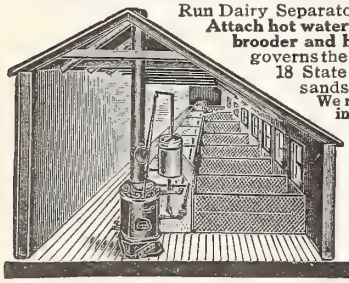
BLACK MINORCAS

Again won **championship honors** at **Memphis**, the Madison Sq. Garden Show of the South. Am offering exceptionally large show birds that will win anywhere, cockerels that will improve any flock, pens of breeders and layers at introductory prices. Eggs that will hatch. **No Matter Where You Live**—If you want—the most attractive variety in the show room—nonsetters, therefore prolific layers of **large white eggs**, always—a table fowl which is tender and surpasses most of the other varieties in flavor and fineness of grain—Write

Charles G. Pape Licensed Judge and Specialist Box B-74, Fort Wayne, Indiana

Rippley's No. 20A Combination Cooker and Heater will cook 1 to 3 barrels feed at a time, or heat water in tanks 300 ft. from cooker.





Run Dairy Separators, Stertilize Bottles, Cans, etc. **Attach hot water pipes to fire box and it will heat brooder and hog houses. Automatic regulator** governs the heat. **Used** and recommended by 18 State Experiment Stations and thousands of Noted Breeders and Farmers. We manufacture the Largest Line of Cookers in the U. S. Prices $4.50 to $70. Also Whitewashers, Sprayers, Fireless Brooders, Egg and Day Old Chick Shipping Boxes, Carts, Cast Iron Heaters and Metal Hovers for heating Brooders, Greenhouses, etc. Write for Catalogue, showing Letters from hundreds of pleased customers. A **Rippley Cooker** will save you 35c on every $1.00 worth of feed you feed your stock and poultry.

RIPPLEY MFG. CO.

Box H Grafton, Ill., U. S. A.

SCHWAB'S NONPAREIL

BARRED PLYMOUTH ROCKS

Lined-Bred Since 1883; Winners at America's Leading Shows Since 1885

We now offer the best quality Barred Rocks ever bred in old or young and in any number. A special inducement for you to try "Nonpareils" is this offer of male and five females, correctly mated to give best possible results, for $22.50. Try a pen and start right and be forever satisfied. Exhibition cockerels and pullets to win any show. Write your wants and let us guarantee to satisfy you.

Schwab Bros., Box 451, Irondequoit, N. Y.

Buff White Black Blue

ORPINGTONS

Bred in the best blood lines to produce a great exhibition and egg laying strain

BRED TO LAY } 239 eggs a year
BRED TO WIN } whenever exhibited

Winnings this season, Mineola: 4 firsts, 3 seconds, 3 thirds, 1 fourth—12 entries, also special for best hen in show (all classes.) Hempstead: 6 firsts, 3 seconds, 4 thirds—14 entries.

Scientific mating has produced the **BRUCECROFT STRAIN.** A most popular and profitable fowl ranking among the highest as prize winners in the exhibition rooms and all year round layers in the poultry yards.

CHOICE COCKERELS bred and reared to produce **FERTILITY,** $3.50 upward.
CHOICE PULLETS bred and reared to produce **EGGS,** $2.50 upward.

If you wish to improve your strain or add to your pens and need a cock, cockerel, hen or pullet, write us your needs today.

We are now booking orders for eggs for early hatching. Catalogue free.

BRUCECROFT POULTRY FARMS, Lynbrook, New York

very materially, especially in AMERICAN POULTRY JOURNAL. At the end of the third year his advertising had sold for him $1,900 worth of fowls and eggs. This made him realize that his poultry business was getting too large to longer be looked upon as a side issue, and he decided to give up his position on the road and devote his entire time and attention to his back-lot poultry business.

He kept adding a few small buildings to his plant and increased the size of his flock, and also increased his advertising, as he learned that the only way to sell his stock was to let the public know just what he had to offer them.

At the end of the fourth year his sales amounted to $4,094, and he had no regrets that he had given up his position on the road and devoted his whole time to developing his Mottled Ancona business, as he had enjoyed the work, his health was much better and his bank account had been very materially increased.

At the end of the fifth year he had done a business of $9,515. After deducting expenses showed $4,223 on the credit side of the ledger.

Up to this time Mr. Sheppard had been unable to supply the demand he had created for his Anconas, and, in order to be in a position to supply this ever-increasing demand he decided to abandon his town lot plant for a real poultry farm. He was fortunate in securing his present farm, which is located one mile from Berea and ten miles from Cleveland on the interurban electric line. On this farm he has erected modern buildings for his poultry, which includes laying houses, brooding houses, incubator houses, etc. He also has a very fine residence that is fully equipped wth every modern convenience, including both gas and electricity. He also has his own water works with which he can supply water to any part of the farm. He manufactures his own electricity and has his own natural gas well. In fact, this farm is the most ideal and independent poultry farm we have ever had the pleasure of visiting. All of which is the results of persistent effort, good judgment and sound business methods used by Mr. Sheppard.

The past season he raised about 3,500 birds and at the time of our visit in October had about 3,000 head of Anconas on the farm, many of which were good enough at that time to win the blue in any show in the country.

The Anconas mature very rapidly under Mr. Sheppard's systematic care and many of his pullets this season were laying by the middle of May and have continued to shell out the eggs ever since.

Mr. Sheppard sells a great many day-old chicks and to supply the demand for these has an incubator capacity of over 60,000 eggs per season and expects to double this in the very near future.

Some little time ago Mr. Sheppard decided to tell all those who wished to know just how he made such a grand success in the poultry business and to this end wrote a book entitled "$4,223 in One Year on a Town Lot." This book is well worth reading by any one who is at all interested in poultry. No matter what variety they breed, it gives practical information on how to build up a poultry business and make it pay.

COMING BOOM IN POULTRY, SHEEP AND HOGS.

Quoted from October 3, 1914, issue of *American Agriculturist*, New York City, published by Orange Judd Company.

ANY person who has brains enough to "see through a hole in a stone wall" must be impressed with this fact: The future of live stock husbandry in the United States was never so assured as at this moment. The demand will be extraordinary for poultry, meat and for eggs; also for lamb and mutton and for pork and pork products during the next six, twelve and eighteen months.

The domestic market and the foreign trade will grab up at good prices every pound of this stuff that can be produced. The demand will be well nigh insatiable for eggs and poultry from now on, because of the high price of other meats and of grains. Eggs will be the cheapest concentrated food that people can buy. Poultry will be really the cheapest meat, and it is the kind that can be most quickly produced. Lambs come next in quickness and production, then pork and mutton. There must be a veritable boom ahead for poultry, sheep and hogs. We cannot see it any other way.

For quick money, for sure cash in hand with the least delay and at the smallest risk, keep hens or sheep, or hogs, or all three. Begin now. A golden market awaits these products, especially every pound of them that can be marketed within three, six or nine months.

Dairying will, of course, continue to prosper, so will the production of beef. But it takes so long to increase the supply of beef and the present shortage thereof is so great as to create almost a crisis in the world's meat supply. The quickest, simplest and most profitable way of meeting this condition, which now is accentuated by the wars, is as follows:

1. Keep more hens, give them better attention, make more eggs, use incubators for raising more chickens, sell more eggs and dressed poultry.

2. Keep more sheep, give them the best of feed and care, raise more lambs, fatten some of them for the early market, raise the rest for wool and mutton. It looks like wool would command fair prices for several years.

3. Raise more hogs, give them the best of care, breed them as freely as possible, push their feeding and get them on to the market as young as may be.

Cheap cottonseed meal to supplement the higher cost grains, together with plenty of cheap, green food, dry roughage and silage, will enable you to produce poultry, eggs, sheep and hogs at a cost that should surely yield a handsome margin of profit.



A prize-winning Rose Comb Black Minorca male, as bred by G. A. Clark, Seymour, Ind.

HOW I MADE MY HENS LAY DURING THE WINTER MONTHS.

AS a constant reader of your valuable paper, permit me to send you a few lines regarding the success I had with my flock of W. Wyandottes last winter.

I wintered about 100 yearling hens and pullets, which gave me an average of 50 per cent of eggs from December 1 to April 1.

I have a good hen house, 14 feet wide by 40 feet long, thus providing a little over 5 feet square of floor room for each fowl. The floor is always covered with plenty of straw. The morning feed consisted of plenty of wheat thrown in the litter to give the hens sufficient exercise. This kept them busy until noon. Then I gave them all the sprouted oats they wanted, produced in my metal sprouter.

Orr's Col. Wyandottes

I am willing now to part with a few good birds, some real nice cocks, hens, cockerels and pullets. The winning strain at the Garden (N. Y.) Show for years. No circular. Write

D. Lincoln Orr, Box 5, Orr's Mills, N. Y.

Poultry Farm For Sale

THREE MILES OUT OF BUFFALO ON TROLLEY LINE; splendid 9 room strictly modern house; large equipment for chicken raising; fine barn; 9 acres of land; big sacrifice for immediate sale.

Price $7000. Cash $3000.

63 GRANGER PLACE BUFFALO, N. Y.



CROCKETT'S WHITE ROCKS

Reward Owners—Cockerels, pullets, breeders at reasonable prices. Write for circular No. 13.

Crockett Poultry Farm
Bridgman : : Michigan



The Iron Hen

MacKay Colony Brooder Co.

Perfection as Near as Yet Attained.
Our new 1915 Models the Sensation of the Season.

It will set you right. Successful brooding means your success. Write for our new illustrated catalog. It's free. It tells you how we hatched, fed and brooded 12,000 Chicks and what many other farms have done.

MacKay Colony Brooder Co. Bordentown, N. J.

OLD FORGE BUFF ORPINGTONS

Beat All Varieties of Orpingtons in N. A. Egg Laying Competition—Total of 937 Eggs in 53 Weeks—229 eggs, 209 eggs, 192 eggs, 171 eggs, 136 eggs. Those are the respective number of eggs laid by each pullet, a pen average of 187 2-5. Old Forge Buff Orpingtons are the favorite of standard-bred poultry, and are bred for eggs, as well as ability to win at shows, such as Allentown, Hagerstown, New York State Fair, Forest City, Trenton, etc. Stock for sale at reasonable prices.

Old Forge Poultry Farm -:- P. H. Glatfelter -:- Spring Grove, Pennsylvania



1st Pullet Schenectady, 1914

S. C. W. Leghorns--Sicilian Buttercups

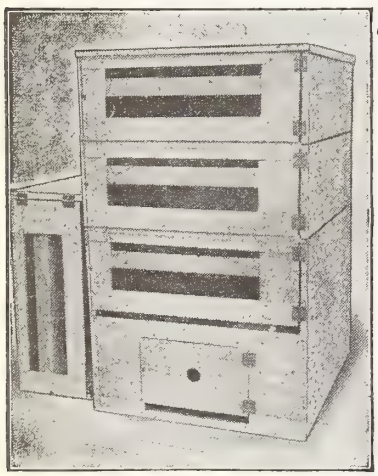
THE WORLD'S GREATEST LAYERS—Exhibition and breeding stock in both varieties for sale. Ready to win in any company. Do you need a male or female to complete your string? We can furnish it and at a reasonable price. Winners Grand Central Palace, Albany, Schenectady, etc. We can win for you. Wonderful breeding cockerels, pullets, cocks and yearling hens. Start right with blue ribbon winners that lay. Send for 32-page illustrated catalogue. It is free. Satisfaction guaranteed.

Bump & Donnan, Box 625, Cambridge, New York

A Great Win at the Greatest Fall Show in America

Scranton's S. C. Rhode Island Reds, at the recent Hagerstown, Md., show, won **5 firsts, 3 seconds** and numerous other regular and special prizes. Every bird (20 in all) were in the winnings. This win with many others in the past only demonstrates that our Reds have no superiors either in East or West. Have a lot of elegant cockerels from this phenomenal line of winning males that will be of great value to those in need of new blood. Make your needs known—can furnish them to trot in any class.

B. H. Scranton, Box 350, Rising Sun, Indiana



The Colfax $3.75

A sectional, metal, modern

Grain Sprouter

Incorporating all the necessary features and principles of a successful silo.

No Such Prices Offered by Others

¼ Bu., 25-30 Hens, $3.75; 1 Bu., 100-125 Hens, $6.00

Two base sizes, the small flock and the large flock size. **Made to fit the flock**, and to save first purchase money. Get sections as needed. Get the **Colfax $6.00.** Examine it and return it if not satisfied.

The Colfax Sales Agency, Colfax, Iowa

200,000 S. C. W. LEGHORN BABY CHICKS FOR 1915



If you have never done business with the Everlay Farm by all means investigate our stock and our business methods. We shall operate seven Hall Mammoth Incubators next season, and every egg used will be our **No. 1 grade, "Everlay Strain" S. C. W. Leghorns.** Again we have increased our incubator capacity 30,000 more, and we know we shall be taxed to our limit for months next season. We don't think there is a plant in the U. S. that can begin to show the individual quality there is in our stock. We are breeding the best Leghorns that skill, labor, capital and experience can produce, —such Leghorns as 99 per cent of the public desire. Better looking, better laying, and stronger stock cannot be bought elsewhere at any price. Ninety per cent of our customers raise 90 per cent of the chicks we ship every year. Considering the high quality of our stock our chicks would be cheap at $25.00 per 100, but our prices will be as follows:

25 to 50 chicks...17c	500 to 1000 chicks 14½c
50 to 100 chicks...16c	1000 to 2000 chicks 14 c
100 to 500 chicks...15c	2000 to 5000 chicks 13½c
5000 or more chicks 13c	

We require a deposit of 25 per cent with all future orders, and don't delay if you want early bookings for next season. Last year we were sold out for February, March and April deliveries by Jan'y 10th. We are ready to deliver unlimited quantities of chicks, up to 12,000 per week, after February 15th. **Our 60-page 1914 catalog, free on request.** Our new 1915 edition will be ready some time in December.

The Everlay Farms Box 240-M Methuen, Mass.

It was this feeding of sprouted oats which I considered mostly responsible for the large number of eggs they laid during the winter months. It was no trick to provide plenty of nice, fresh, green egg-making feed in this kind of sprouter. All that was necessary was oats, water and a little heat and 15 minutes a day to attend to it.

It seems to me that if every poultry raiser in the country used one of these wonderful green feed-making machines, there would be fewer failures in the poultry business and more people would be enabled to enjoy nice, fresh eggs for table use instead of having to rely on cold storage eggs of unknown quality.

Twice a week I let my hens enjoy some cut green bones, which were highly relished.

In the afternoon I fed them half corn and half wheat, with an occasional ration of buckwheat. Grit, shells and charcoal were always within their reach in hoppers, while water was always provided for them in a non-freezing drinking fountain.

You will see by this that my hens were well taken care of and provided with everything to make them contented. They repaid me these accommodations with plenty of eggs, which I had never any trouble to sell at a good price. E. H.

IT IS TO LAUGH.

HERE is a bit of a smile from the "Webs and Feathers," by Editor Winthrop B. Atherton in *American Fancier and Stock Keeper* for November 7:

"It is to laugh.

"The editor of the *Reliable Poultry Journal* in the October issue hands out some taffy to Messrs. Hicks and Denny for the 'vigorous defense' they made against the admission of Pit Games to the American Standard of Perfection and incidentally slaps the Boston show by stating that 'year after year there has been a display of steel spurs and other cock-fighting equipment, with a salesman in charge taking orders,' which, by the way, is not true, and as the editor of the R. P. J. has not attended the Boston show in a number of years some one evidently 'filled him up.' Some years ago unknown to the management a party did offer these articles for sale but the fact did not become known to the management until some time after the show.

"But listen. Behold this editor of the R. P. J. sitting in his easy chair with hands clasped and eyes turned upward with an holier than thou expression on his countenance, thinking that he had 'put one over' on Boston, to find that he threw a spit-ball, that it went foul and landed plump between pages 12 and 13 of the premium list of the Buffalo show, of which he is a director and his employee to whom he handed the taffy is secretary and then he realized that this same Buffalo show offers prizes on thirteen varieties of Pit Games, and among the special prizes $20 in cash is offered on Pit Games. He jumps for the last premium list of the Boston show, scans it carefully and is unable to find Pit Games mentioned anywhere throughout the list. Upon the wall in snake-like letters appear the words 'offense to average decency,' the holier than thou expression disappears and a puzzled look comes over his face. He grits his teeth and says to himself: Cuss the fellow who filled me up and put me in the consomme.

"It is to laugh."

THE GREAT HAGERSTOWN FAIR.

A Record Entry of Over 7,500 Birds. Complete in Every Department and Real Quality the Feature. Notes, etc., by H. P. Schwab, Eastern Representative A. P. A.

Hagerstown's new world's record entry of 7,500 birds has been the event of the season; it sets a new mark of highest caliber for all others to follow, and as the reader can well imagine, with this record-breaking entry was combined unusual quality. The display this year was noticeable particularly in that most every class of every variety was very complete. There were no huge classes, but most of them were big, making a well balanced show.

To Frank Baker and W. Frank Spahr every credit is due for this great exhibit. They are royal fanciers and in their handling of this show prove the quality they are made of, that they have the confidence of the breeders goes without saying, for the results attained prove this beyond question—they well deserve all.

The Hagerstown banquet has for years been an event of special interest. This year there was again the parade, with an unusually good band and the famous "Scotty Bowers" as marshal, over 300 visiting breeders attending, including nearly fifty ladies. The toastmaster was classy and besides the good things to eat, plenty of amusement was had. Among the speakers were Wm. B. Atherton, Geo. O. Brown, L. P. Graham, Richard Oke, J. H. Drevenstedt, Frank De Lancy, Scotty Bowers, yours truly and Messrs. Baker and Spahr, and the esteemed president of the Hagerstown fair.

Two special meetings and initiations of the "Fleas" were held with about thirty new members admitted. Colonel Graham gave the new members absent treatment.

Here we saw many visitors and a great many new breeders. Sales were many and I believe Hagerstown next year will again show a greater entry. Rain for two days kept the crowd down, but it in no way dampened poultry interest, as the great building was well filled at all times with admiring throngs.

A catalog of entries is promised next year. This has been sadly lacking for two years.

The Birds and Exhibitors.

In Plymouth Rocks, Barred, White, Buff, Columbian, etc., the entry was half or less than a year ago, but there were enough seen to still convince those interested that they are a valuable breed.

Barred Rocks were a very good class except that it was not nearly as large as it usually is. Pullets the largest and best class, C. N. Myers, Hanover, Pa., winning cock 4, hen 1, pullets 4 and 5, cock in short feathers, still a magnificent bird with the best of color and barring and extra fine size and shape. Mr. Myers makes a specialty of the pullet line birds, his winning hen a beauty, sound and good all over. He showed an unplaced hen in short feathers that is as promising as we expect to see. When finished she should be one of the best. Pullets were slightly past.

C. Guy Myers, Siddensburg, Pa., won cocks 1 and 3, hen 3, cockerel 3, pen fowls 1, pen chicks 2. This line has been coming fast. Their recent winnings make them a contender at any show. His old pen was a fine mating of quality well shown.

J. W. Smith, Dallastown, Pa., exhibited some very fine pullets and we were glad to see him back showing again.

Other winners were W. G. Boileau, M. B. Hickson, E. A. Grove and C. C. Boileau.

Buff Rocks were superior in color, Vierheller Bros. being among the leading winners, with hens 1 and 2, pullets 3 and 4, pen 1.

White Wyandottes—a good class of good quality, the winners extra fine specimens, all commendable.

Silver Wyandottes—one of the best Fall classes ever seen. First cock, the gem of the class, Judge Drevenstedt praised specially his pure silver color, open, clean lacing, head shape, etc. This bird was owned by Lou P. Graham, Collingswood, N. J. Other winners also of a high class.

Buff Wyandottes also a very sweet class of rich color and good forms. Blacks a very large nice class. Goldens shy in numbers. Columbians a large class, full of merit.

Partridge Wyandottes one of the best, very rich in quality. The Sheffield Farms, Glendale, O., making an extraordinary win of cocks, 3, 4 and 5; hens 1, 2 and 3; cockerels 1, 2 and 3; pullets 1, 2 and 4; pen fowls, 1 and 2; pen chicks 1 and 2. This with their great win at the late New York State Fair, etc., this Fall starts them off again for their annual record they have made for years.

American Dominiques—A large and beautiful class. These old-time favorites will ever be popular with those that want a good practical variety.

S. C. Reds—One of the largest classes at the Exhibit; a very even lot with awards very nicely placed by Judge Card. B. H. Scranton, Rising Sun, Ind., made a splendid record by winning cocks, 1, 2; hens, 2, 3, 4; cockerels, 1, 5; pullets, 1, 2, 4; pen fowls, 1; pen chicks, 1. Deep rich sound color was seen to advantage in this line. Wings and tails very good.

The Schenley Heights Farm, Pittsburgh, with Mr. Rankin in charge won cock, 5; hen, 1; cockerels, 2, 3, 4, and pullet, 5; This line shows extra value and promise. The cockerels were not quite finished, but they sure have the quality. First hen was the famous New York winner, such can't be beat, form ideal, color extra fine.

Rose Comb—A nice lot, well shown. There should have been more.

Dorkings in all varieties formed good classes. Javas in black and mottled, fine large classes. Brahmas and Langshans in black and white were here in quantity and quality.

Orpingtons for quality were a feature display, and it remained for Mr. Len Rawnsley of the Rawnsley-Shields Farm, Columbus, Ohio, to carry away the Sweepstake Special of the show (for best cockerel in show) on his First Prize S. C. Buff Orpington cockerel. A magnificent specimen of the best color, shape and

At the Great New York State Fair

In the biggest and best class of S. C. Reds yet shown in the east we won 1st display, our 1st prize hen winning color special. Stock for sale. Eggs in season.
Geo. W. Tracey, Box R, Kinderhook, N. Y.

BIRKHOLZ REDS

SINGLE COMB—Best color ever. 2 cocks, 15 cockerels must be sold before cold weather sets in, send for prices and description.
Ernst F. Birkholz Willoughby, Ohio



Stay on Aluminum Poultry and Pigeon Bands

Smoothest and most secure. 25-20c, 50-35c, 100-60c, 200-$1.00 Bill. Catalogue free. Pliers 25 cents each. AMERICAN BAND WORKS, Box 297, Canton, Mo.

Grow Your Own Vegetables

Cut down your living expenses. You'll be astonished how healthful it is to cultivate a garden and how easy if you use

Planet Jr Garden Tools



Adapted to almost all garden uses. No. 4 opens furrows, plants, covers, and marks next row in one operation

Free An instructive 72-pp. catalog. Send postal for it today

S. L. ALLEN & CO., Box 1107-T, Phila.

SUNLIGHT S. C. WHITE LEGHORNS

D. W. YOUNG STRAIN

Greatest Known Layers **Choice Breeding Cockerels**

I am offering choice breeding Cockerels for $2.00 each and up. If you want pairs, trios or pens, I can make you most attractive prices. I have my breeders all mated up and can furnish eggs for hatching after December 15th. My new catalogue will be ready for delivery the 1st of January. Write for one, which will give you a complete description of my plant and stock and also prices.

I guarantee you satisfaction. Best of reference. "The Most of the Best for the Least."

SUNLIGHT POULTRY FARM E. N. Lemon, Owner LYNCHBURG, O.

BRINKLEY'S WHITE PLYMOUTH ROCKS

"The Best in the South"

My birds made a great **win** at **Memphis** as follows: **Pen 1-3; Cock 1-2-4; Hen 1-2-3-4; Cockerel 1-2-4 and Pullet 3-4-5.** At **Nashville** they won: **Pen 1; Cock 1-2; Hen 1-2; Cockerel 1 and Pullet 1-2.**

They won four of the five blue ribbons at Little Rock, Ark., including Champion Cock and Hen and the same record at Jackson, Miss., including Champion Cockerel and Pullet. The $100 Sweepstakes, the Best Hen and the wonderful record of 29 out of 30 prizes, was their record at Memphis, Tenn., 1913. **When better birds are bred Brinkley will breed them.** I can furnish winners for any show at reasonable prices. Let me hear your wants. Write for a catalogue, it's free.

W. J. BRINKLEY, Prop. D. R. Jolly, Supt. Box 10 IUKA, MISS.

WYSOCKI'S SILVER CAMPINES

MRS. J. WYSOCKI 431 LaFayette St., AURORA, ILL.

HOUDANS

The "Famous Jimcrack Strain" have won and have produced winners at our largest shows for years. Their records at Toronto, the Ontario Winter Fair, Boston, etc., prove their quality. Stock and eggs for sale. Write for circular. HARRY TAYLOR, 82 Howard Park Ave., Toronto, Ontario, Can

Jersey Lawn White Wyandottes

The kind that lay

Harry Cass : : Buffalo Hart, Illinois

METZLER'S HOUDANS

choice breeding stock, young and old for sale at reasonable prices. Also exhibition stock from prize winners at Boston, Rochester, N. Y., Indianapolis, Ohio State Fair, etc. My guarantee protects you and assures you of a square deal. Satisfaction or money refunded. Write me your wants. Mating list on request.

J. L. METZLER - - - FINDLAY, OHIO

CAMPINES-BLUE ORP'S-SUSSEX

WRITE DR. J. H. PRUDHOMME Thurmont - - Maryland

Acme Strain Barred Plymouth Rocks

Fifty first class cockerels, both matings, $5.00 each. Satisfaction guaranteed. Acme Poultry Yard, C. A. Gifford, Proprietor, Rusk, Texas.

Farrant's S. C. Brown Leghorns Are Ready to Win Anywhere

More wonderfull in size, type and color than ever. They are bred from my Chicago winners. If you have some show in mind and need a good cock, cockerel, hen or pullet let me figure with you. Satisfaction guaranteed. F. M. FARRANT, 745 Prairie Ave., Kalamazoo, Mich.

Lyman's S. C. White Orpingtons

We can furnish you exhibition birds that will win and breeders that will produce you winners. Cockerels with great type and color that are sure to please you. Satisfaction guaranteed. Write

A. F. Lyman : : : Bremen, Ohio

$$ In Mongrel Hens $$

I make each hen lay 210 eggs in 11 months either mongrel or straight-bred. Rocks, Reds, Wyandottes, Leghorns, etc. No matter what the breed you can get the eggs anywhere by giving proper care and feed. No fancy houses, expensive appliances, high priced feeds or egg dopes used. The most inexperienced are successful with my system. Send $1.00 for folder explaining everything. Money refunded if not satisfied.

H. H. Cummings Warner, New Hampshire

Llenroc Reds Win Again

At New York State Fair, in a battle royal with some of the most prominent breeders of the United States

1st Cock in class of 28. 1st Pullet in class of 32.

1st Young Pen in class of 15.

We are ready to furnish winning Reds for any show. Get a Llenroc Red and win. Address

JOHN E. HOUCK, Black Creek, Ont. HENRY W. ALT, 87 Fuller St., Buffalo, N. Y.

REMOVAL SALE RHODE ISLAND REDS

BOTH COMBS—Fit to win the blue at any show. I am offering cocks, cockerels, hens and pullets of a better quality than I ever had before. Great big robust, long back fellows, with rich uniform color. Also have some good breeders. Can supply your wants at greatly reduced prices. Will move my plant to a better location, but owing to insufficient house room at present am compelled to sell birds at about half regular price. If you want bargains, write me describing your wants.

B. M. BILLINGS : : BOX A : : OBERLIN, OHIO

Barton's S. C. Buff Orpingtons

Bred to win and lay. A few choice cockerels for sale. Some early hatched pullets ready to lay at the Sunrise Poultry Yards.

J. S. & C. A. BARTON 810 SHERMAN AVE. SOUTH BEND, INDIANA

SUSSEX GENSEMER BROS. CAMPINES

BREEDERS OF ENGLAND'S BEST EGG AND MEAT BREEDS

CAMPINES Silver and Golden—Sussex Red, Speckled, Light and Brown

We are in a position to supply you with a choice lot of youngsters. Our birds have been consistent winners of the blue ribbons in the principal shows of the U. S. Write us for show record and special December prices. Satisfaction guaranteed or money refunded.

Gensemer Bros., 151 Main Street, Creston, Ohio

condition. His complete winnings are: Buff Orpingtons, cock, 1; hens, 1, 2; cockerels, 1, 2, 3; pullets, 1, 2; pen fowls, 1; pen chicks, 1; Red Sussex, cock, 1; hens, 1, 2, 3; cockerel, 1; pullet, 1; Speckled Sussex, cock, 1; hen, 1; cockerels, 1, 2; pullets, 1, 2; pen, 1; Light Sussex, cock, 1; hens, 1, 2; cockerel, 1; pullet, 1; pen, 1. A record of this kind is difficult to imagine and all credit is due this firm for the value of their stock.

Mr. H. P. Kettering, Pittsburgh, Pa., won in Buff Orpingtons, cockerel, 5; pullet, 5; S. C. White, hens, 4, 5; cockerel, 3; R. C. White, hen, 2; cockerel, 1.

In Blue Orpingtons Mr. Haldie Nicholson, Leominster, Mass., made his usual grand play by winning on four entries, cock, 1; hen, 1; cockerel, 1, and pullet 1. Mr. Nicholson has surely done well with this variety and improvement was fondly noted.

S. C. White Leghorns were a strong class, well shown. The first-prize cockerel, owned by Ryan Bros., was a screamer, condition and quality with style of the best. First hen also by these people a gem and in the pink of condition. Such stock will win any show.

Single and Rose Comb Brown Leghorns were both large classes with merited winners in each.

S. C. Buffs were the largest of the Leghorn classes, with competition very strong, good form, size and exquisite color noticeable. Black and Duck Wing Leghorns were well represented.

S. C. Black Minorcas—A class rich in highest quality. Mr. J. P. Hilldorfer, Saxonburg, Pa., winning cocks, 1, 3, 5; hens, 2, 4; cockerels, 2, 4; pullets, 2, 3, 4; pen, 1. In the opinion of many the third pullet should have been first; we also believe this. First was a beauty in color.

Rose Comb Black and Single Comb White Minorcas—both formed large and well-balanced classes.

Anconas, Spanish and Andalusians were all strong classes and besides the winners many fine birds were seen.

Campines proved their popularity here again for in both Silver and Golden a fine display was seen. First pen of Goldens owned by Mr. A. A. Carver, Seville, Ohio, was to our mind an extraordinary pen of superior quality in matching as well as in quality. Mr. Carver will no doubt show his famous line of Reds later, also his Red Sussex. Come to think of it, these Red Sussex are getting mighty popular.

The exhibit of Polish was a show in itself, very large and very complete, making a most attractive display.

Hamburgs were also well represented in large classes. It was a beautiful display with many of the rarest of the rare kind.

Dark Cornish, a very good strong class, a tribute to Judge John W. Ward, Jr., who handled them in a masterly manner.

Houdans, Lakenvelders, Faverolles, La Fleche, etc., were all here in good numbers. If there is a variety, standard or non-standard, that was not exhibited here, we would like to know it.

Bantams in all varieties and great numbers were displayed; the "gallery" was full of 'em. These little beauties attracted much attention and ever are a feature in any show.

The display of ducks was one of the largest seen in some time. The Indian Runners, Rouen, Cayuga, White Muscovy, Mallard and Pekins formed the largest classes.

Geese filled many cages; we thought the quality very fine.

Pheasants were displayed in large coops and were seen to advantage.

Rabbits, cavies, numbered over 300 and if any variety was missing, we don't know of it.

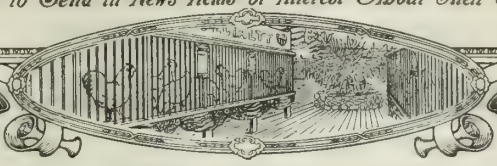
Pigeons numbered over 1,200 and completed the display which from door to door was most complete and worthy.

There are several conditions, all of which help to make Hagerstown great. The management, its past history and beautiful poultry building and the great number of well-known breeders who have exhibited there for years, all tend to its greatness. Before the great building stands the heroic monument erected to the memory of John L. Cost. The same feeling and sentiment that erected this monument is being displayed to Messrs. Baker and Spahr, and these conditions ever assure greater and better Hagerstown Shows.

We would be lax in our duty if we did not specially mention the President of the Association who is one of the best friends the poultrymen have. Although he has no personal interest in poultry, he has always been their champion and has given all the managers have asked for.

Associations and Shows

Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department



SHOW DATES, 1914-1915.

ARKANSAS.

Dec. 8-12. Ft. Smith, W. E. Crissy, secretary.
Jan. 4-9. Little Rock, Jas. V. Johnson, secretary.

CALIFORNIA.

Dec. 10-12. Coalinga, Chas. Miller, secretary; J. D. Yates, judge.
Jan. 6-12. Los Angeles, H. H. Mumford, secretary; Russell, Hinds, Goodacre, Masterson, judges.

CANADA.

Dec. 5-10. Guelph, Ont., R. W. Wade, secretary.

COLORADO.

Dec. 7-12. Colorado Springs, J. R. Lowell, secretary; D. T. Heimlich, judge.
Dec. 14-18. Boulder, M. H. Crandall, secretary; Thos. W. Southard, judge.
Dec. 28-Jan. 2. Montrose, Ella E. Wallace, secretary; D. A. Stoner, judge.
Dec. 28-Jan. 2. Denver, W. J. Searle, secretary; W. C. Pierce, judge.
Jan. 18-23. Denver, Fred P. Johnson, secretary; Tucker, Keeler, judges.

CONNECTICUT.

Jan. 19-21. Waterbury, E. P. Armstrong, secretary.

DISTRICT OF COLUMBIA.

Jan. 19-23. Washington, W. A. Kiefer, secretary.

FLORIDA.

Feb. 16-20. Lakeland, W. R. Oneal, secretary; H. C. Dippel, judge.

IDAHO.

Jan. 4-9. Boise, L. L. Long, secretary; W. M. Coats, judge.

ILLINOIS.

Dec. 7-12. Milledgeville, C. A. Straka, secretary; S. B. Johnston, judge.
Dec. 8-11. O'Fallon, Ferd. Morgenstern, secretary; L. C. Taylor, judge.
Dec. 11-16. Chicago, Theo. Hewes, secretary.
Dec. 14-18. Beardstown, V. L. Adelmann, secretary; D. T. Heimlich, judge.
Dec. 14-19. Freeport, Paul Wurtzel, secretary; Heyl, Hackett, judges.
Dec. 15-18. Batavia, C. A. Pierce, secretary; Louis A. Stahmer, judge.
Dec. 15-18. Granite City, J. W. Costley, secretary; G. E. Teaney, judge.
Dec. 15-18. Murphysboro, O. L. Rawlings, secretary; J. Dagle, judge.
Dec. 15-19. Pontiac, O. A. Tuttle, secretary; Wells, Gimlin, judges.
Dec. 15-19. Cowden, B. W. Breighner, secretary; E. G. Feanney, judge.
Dec. 17-19. Jerseyville, C. P. Atchison, secretary; D. T. Heimlich, judge.
Dec. 21-25. Mt. Carmel, L. S. Cochran, secretary.
Dec. 28-Jan. 2. Canton, F. J. Rafferty, secretary; C. V. Keeler, judge.
Dec. 28-Jan. 2. Hoopeston, A. L. Knox, secretary; Geo. M. Wells, judge.
Dec. 29-Jan. 1. Champaign, Paul T. Bacon, secretary; D. E. Hale, Theo. Hewes, judges.
Dec. 30-Jan. 3. Capron, Helge Peterson, secretary.
Dec. 30-Jan. 2. Chicago Heights, B. T. Gibbs, Jr., secretary; Chas. McClave, judge.
Jan. 4-9. Springfield, Theo. S. McCoy, secretary; Rhodes, Kummer, Johnston, Heyl, judges.
Jan. 4-9. Lanark, J. A. Shaner, secretary.
Jan. 4-9. Golconda, Theo. S. McCoy, secretary.
Jan. 4-9. Elgin, C. H. Leitner, secretary; Hale, Johnston, Cook, Waterman, judges.
Jan. 4-9. Galva, Ed. Everson, secretary; Teaney, judge.
Jan. 5-8. Joliet, Mrs. Alta Martens, secretary; McClave, judge.
Jan. 11-16. Rockford, A. E. Lindsay, secretary; C. H. Rhodes, judge.
Jan. 11-17. De Kalb, Wm. M. Hyde, secretary; Hale, Johnston, judges.
Jan. 12-15. Greenville, J. L. McCracken, secretary; J. J. Klein, judge.
Jan. 12-16. Carbondale, L. E. Rauch, secretary; Chas. V. Keeler, judge.
Jan. 12-17. Kankakee, E. P. Vining, secretary; Chas. McClave, judge.
Jan. 14-20. Chicago, A. E. Lemieux, secretary.
Jan. 18-23. Aurora, C. L. Valentine, secretary; W. C. Pierce, judge.
Jan. 18-23. Jacksonville, Jas. C. Weber, secretary; Heimlich, Engle, judges.
Jan. 18-23. Decatur, E. E. Deets, secretary; J. J. Klein, R. V. Hicks, Judges.
Jan. 18-23. Elizabeth, LeRoy Armitage, secretary; T. J. Rountree, judge.
Jan. 18-23. Orangeville, S. D. Confer, secretary; Calvin Ott, judge.
Jan. 24-30. Havana, H. W. Chambers, secretary; Chas. V. Keeler, judge.
Jan. 25-30. Belvidere, Mrs. J. C. Plane, secretary; Geo. D. Holden, judge.

INDIANA.

Dec. 7-12. Vincennes, C. O. Bridgman, secretary; O. Colip, judge.
Dec. 14.-19. Thornton, C. V. Norris, secretary; Wm. F. Aurswald, judge.
Dec. 15-19. Anderson, W. O. Cartwight, secretary; W. W. Zike, judge.
Dec. 16-18. Hymera, J. M. Dunlap, secretary; B. O. Swain, judge.
Dec. 16-21. Butler, D. D. Melroy, secretary; Hamlin, Noftzger, judges.
Dec. 17-21. Clinton, L. E. Marvel, secretary; Ben S. Myers, judge.
Dec. 21-26. Noblesville, Ralph Roudebush, secretary; U. R. Fishel, J. C. Fishel, A. E. Martz, G. A. Clark, Elmer Gimlin, judges.
Dec. 22-24. Plainville, O. M. Heldt, secretary; B. H. McCracken, judge.
Dec. 28-Jan. 2. Young America, Jacob Hubler, secretary.
Dec. 29-Jan. 2. Kentland, J. M. Illingworth, secretary; H. A. Pickett, judge.
Dec. 29-Jan. 3. Terre Haute, M. A. Potter, secretary; Pickett, Northrup, judges.
Dec. 30-Jan. 3. Hammond, Wm. Maginot, secretary; H. C. Dippel, judge.
Dec. 30-Jan. 1. Bicknell, J. E. Green, secretary.
Jan. 4-9. Elnora, O. P. Hackler, secretary.
Jan. 4-9. Rensselaer, R. Snyder, secretary; H. A. Pickett, judge.
Jan. 5-9. Peru, W. W. Bowe, secretary; A. E. Hamlin, judge.
Jan. 6-10. Auburn, W. W. Otis, secretary; B. C. Imhoff, judge.
Jan. 7-12. Michigan City, A. L. Peterson, secretary; Frank Heck, judge.

The Best Bird

Will Win at the

Poultry Exhibition

of Pittsburgh

Jan'y 18 to 23, 1915

Entries Close January 7.

Fourteen of America's best judges have been engaged. The largest and finest hall in the United States. The most profitable show where you could enter your birds.

W. P. Craig, Secretary

Empire Bldg., Pittsburgh, Pa.

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26th Annual Exhibition, February 12-18, 1915

A return to the dates used between 1890 and 1900.
This will be the greatest selling show in the history of our Association.

We will have the largest attendance in our history.
All awards posted as soon as made.

$1500 Gold Specials.
All Specialty Club awards delivered at the show.
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Greater Chicago Poultry Show

January 14-20, 1915

OFFICIAL ILLINOIS A. P. A. SHOW—The coming quality show of the West. Three national meets. Gold and silver medals, cups and cash specials. Premiums paid before close of show. Premium lists now ready. Entries close Dec. 28, 1914. Think it over.

Chicago Poultry Breeders Ass'n, A. E. Lemieux, Sec'y, 4537 North St. Louis Ave., Chicago

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Acknowledged everywhere the World's greatest laying strain. Unequalled in Standard qualities

2,000 head of breeding stock for sale, including yearling Hens and Cocks and hundreds of strong, vigorous, early-hatched **free farm range reared** Cockerels and Pullets. Place your order early, and do not be one of the hundreds that we are obliged to disappoint each season. Remember that we are the originators and for over 30 years specialty breeders of the justly celebrated "Wyckoff" Strain of S. C. White Leghorns, the most profitable strain of poultry in America today. Catalogue free.

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BOSTON SHOW

THE 1915 OLD GLORY SHOW

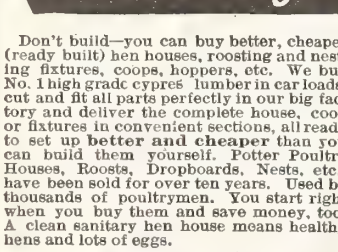
MECHANICS BUILDING JANUARY 12 to 16

Entries close December 28, 1914. For premium list and entry blanks, address,

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Don't build—you can buy better, cheaper (ready built) hen houses, roosting and nesting fixtures, coops, hoppers, etc. We buy No. 1 high gradc cypres lumber in car loads, cut and fit all parts perfectly in our big factory and deliver the complete house, coop or fixtures in convenient sections, all ready to set up **better and cheaper** than you can build them yourself. Potter Poultry Houses, Roosts, Dropboards, Nests, etc., have been sold for over ten years. Used by thousands of poultrymen. You start right when you buy them and save money, too. A clean sanitary hen house means healthy hens and lots of eggs.



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No. 19, style "A" 6-ft 3-perch complete Potter hennery outfit for 36 hens. This same style made in 12 sizes.



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10 Forest Avenue Downers Grove, Illinois

Jan. 11-16. Lyons, A. G. Kaufman, secretary.
Jan. 11-16. Lafayette, Edward Balser, secretary; B. O. Swain, judge.
Jan. 11-16. Brazil, J. C. McDonald, secretary; B. H. McCracken, judge.
Jan. 12-16. Logansport, Wm. Grace, secretary; C. R. Deardorff, judge.
Jan. 18-23. South Bend, Paul Heireman, secretary; Northrup, judge.
Jan. 18-23. Evansville, H. J. Reimer, secretary; Heimlich, judge.
Jan. 18-22. Attica, Chas. T. Jacobsen, secretary; D. D. Whittaker, judge.
Jan. 18-23. Frankfort, Chas. E. Cue, secretary; H. A. Pickett, judge.
Jan. 19-23. Sheridan, G. R. McMurtry, secretary; Clyde Moore, judge.
Jan. 19-25. Fort Wayne, Wm. Stellhorn, secretary.
Jan. 19-26. La Porte, A. F. Wegner, secretary; H. C. Dippel, judge.
Jan. 25-30. Mulberry, J. Frank Smith, secretary; Henry A. Pickett, judge.
Feb. 1-5. Indianapolis, C. R. Milhous, secretary; Hewes, Pierce, judges.
Feb. 2-5. Plymouth, J. W. Shatford, secretary; Greer, Tyrell, judges.

IOWA.

Dec. 5-12. Clarinda, J. V. Pfander, secretary; Shellabarger, judge.
Dec. 7-12. Waterloo, Harry W. Farr, secretary; Chas. McClave, Jos. Dagle, judges.
Dec. 9-12. Iowa Falls, F. R. Champlin, secretary; T. F. Riggs, H. S. Dixson, judges.
Dec. 11-17. Des Moines, C. P. Headington, secretary; Shellabarger, Branch, Dare, judges.
Dec. 14-17. Prairie City, J. A. Ray, secretary; Carl Dare, judge.
Dec. 15-18. Bonaparte, E. W. Chapman, secretary; W. G. Warnock, judge.
Dec. 15-18. Lowden, O. C. Pancratz, secretary; F. H. Shellabarger, judge.
Dec. 15-18. Red Oak, L. E. Wilson, secretary; A. B. Shaner, judge.
Dec. 16-20. Panora, Geo. A. Rowen, secretary; John Rapp, judge.
Dec. 17-19. Traer, Ed. Sawyer, secretary; Prof. Bittenberger, judge.
Dec. 20-25. Ottumwa, V. Reinhard, secretary; Hale, Dagle, judges.
Dec. 21-27. Maquoketa, N. J. Rankin, secretary; F. H. Shellabarger, judge.
Dec. 28-Jan. 3. Grinnell, H. O. Shaw, secretary; F. H. Shellabarger, judge.
Dec. 29-Jan. 1. Mt. Vernon, H. C. Gilliland, secretary; Glen Richards, judge.
Dec. 29-Jan. 2. Vinton, E. G. Losee, secretary; J. M. Rapp, judge.
Dec. 30-Jan. 4. Davenport, Harry W. Atkins, secretary.
Jan. 4-8. Ames, Ed. T. Kooser, secretary; C. W. Zimmer, judge.
Jan. 4-8. Marshalltown, C. C. Lounsberry, secretary; A. B. Shaner, judge.
Jan. 4-8. Decorah, Len. Larson, secretary; Glen F. Richards, judge.
Jan. 4-9. Oelwein, J. K. Shields, secretary; F. H. Shellabarger, judge.
Jan. 7-9. Hampton, H. W. Hardy, secretary; S. B. Mills, judge.
Jan. 11-16. Cedar Rapids, E. E. Richards, secretary; U. J. Shanklin, Jas. A. Tucker, Henry Dippel, judges.
Jan. 18-24. New Hampton, P. J. Cooney, secretary; Glen F. Richards, judge.
Feb. 1-6. Burlington, N. M. Derby, secretary; F. E. Harrison, F. H. Shellabarger, E. J. W. Dietz, judges.

KANSAS.

Dec. 7-12. Caldwell, John F. Ryland, secretary; John C. Snyder, judge.
Dec. 7-12. Olathe, E. R. Prather, secretary; E. W. Rankin, judge.
Dec. 7-12. Emporia, F. J. Horton, secretary; John Dudley, judge.
Dec. 8-12. Greensburg, F. B. Ingersoll, secretary; J. J. Atherton, judge.
Dec. 15-18. Leavenworth, Chas. M. Swain, secretary; E. C. Branch, G. D. McCloskey, judges.
Dec. 30-31. Smith Centre, O. T. Vinsonhaler, secretary; A. J. Meyer, judge.
Jan. 4-9. Hutchinson, W. B. Powell, secretary; D. T. Heimlich, J. J. Atherton, judges.

KENTUCKY.

Jan. 4-9. Lexington, J. J. Harper, secretary; W. T. Wittman, H. K. Muir, judges.

LOUISIANA.

Dec. 15-20. Jennings, H. Floyd Midkiff, secretary; C. P. Van Winkle, judge.

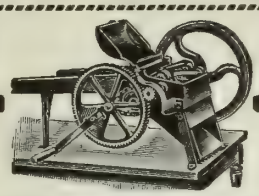
MAINE.

Dec. 15-18. Berwick, Arthur C. Brooks, secretary; D. J. Lambert, judge.
Jan. 5-8. South Paris, E. P. Crockett, secretary; Silas Bartlett, Geo. W. Coffin, judges.
Jan. 5-10. Bangor, C. S. Winch, secretary; W. H. Card, E. C. Campbell, A. J. Keinston, judges.

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J. W. MILLER Inventor and Manufacturer of Advanced Types of Incubators, Brooders, Grain Sprouters.

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IDEAL Grain Sprouter

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—**Keep Fowl in Condition**

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Manufacturers of Profit-Making Poultry Outfits

MASSACHUSETTS.

Dec. 8-10. Greenfield, S. H. Stone, secretary; Geo. W. Weed, judge.
Dec. 10-12. Milford, W. H. Pyne, secretary.
Dec. 15-18. Springfield, W. C. Rorabaek, secretary; Oke, Ives, Welles, Punderford, Sites, Card, judges.
Dec. 16-18. Gloucester, B. M. Thornberg, secretary.
Dec. 16-18. Norwood, Edw. D. Baker, secretary; Dan'l. P. Shove, Harold Tompkins, judges.
Dec. 17-19. Kennett, Robt. Hall, secretary.
Jan. 19-21. North Adams, Albert Whitney, secretary; Charles Shayler, George W. Weed, judges.
Jan. 21-23. Worcester, Chas. H. Wood, secretary; Shaylor, Weed, judges.
Jan. 26-28. Lenox, Steve C. Burghardt, secretary; W. H. Card, judge.

MICHIGAN.

Dec. 8-12. Ludington, O. C. Zook, secretary; W. A. Bonner, judge.
Dec. 14-18. Utica, G. E. Cooper, secretary; Wm. Wise, judge.
Dec. 15-18. Grand Haven, B. Vanden Bosch, secretary; W. A. Bonner, judge.
Dec. 15-18. Belding, Dennis Hollenbeck, secretary; R. V. Otto, judge.
Dec. 16-19. Three Oaks, B. R. Chamberlain, secretary; Chas. V. Keeler, judge
Dec. 16-18. Hillsdale, Paul L. Ward, secretary.
Dec. 22-26. Holland, Wm. Dinkeloo, secretary; Chas. McClave, judge.
Dec. 29-Jan. 3. Jackson, C. M. Dodge, secretary; C. H. Rhodes, judge.
Dec. 30-Jan. 2. Zeeland, Jno. A. Hartgerink, secretary; Roy V. Otto, judge.
Jan. 4-7. Kalamazoo, F. W. Hough, secretary; Geo. M. Wells, R. W. Strong, judges.
Jan. 4-9. Blissfield, F. H. Wilber, secretary; W. M. Wise, judge.
Jan. 7-11. Wyandotte, Wm. S. Martin, secretary; J. A. Mulinix, judge.
Jan. 12-15. Grand Rapids, John Bowstrom, secretary.
Jan. 12-16. Pontiac, Daniel Thomas, secretary; Roy V. Otto, judge.
Jan. 20-26. Detroit, J. A. Turner, secretary; Tucker, Mulinix, McNeal, judges.
Jan. 21-26. Manistee, Mrs. C. H. Walters, secretary; Geo. H. Northrup, judge.
Feb. 9-12. Saginaw, Ed. Ohland, secretary; Wm. Wise, judge.
Feb. 10-15. Menominee, W. A. Haines, secretary; Harrison. Wells, Tucker, judges.

MINNESOTA.

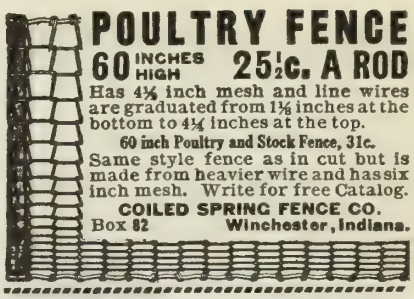
Dec. 8-11. Willmar, Sewert Osmondson, secretary; Mrs. Krouse, judge.
Jan. 1-7. North Branch, Chas. E. Coste, secretary; Mrs. John A. Krouse, judge.
Jan. 4-8. Bird Island, Paul Kolbe, secretary; A. C. Smith, judge.
Jan. 7-11. St. Paul, H. J. Goette, secretary; Tucker, judge.
Jan. 13-16. St. Cloud, L. R. Swift, secretary; Ralph Whitney, judge.
Jan. 26-28. Faribault, Edward D. Roth, secretary; Edwin Roth, judge.

MISSOURI.

Dec. 7-10. Moberly, Collie Holliburton, secretary; E. C. Branch, judge.
Dec. 11-12. Cole Camp, W. L. Jakeman, secretary.
Dec. 14-16. Whitesville, A. Monroe Peter, secretary; L. P. Harris, judge.
Dec. 15-17. Mercer, Mrs. R. C. Anderson, secretary; V. O. Hobbs, judge.
Dec. 15-18. Jefferson City, Chas. E. Dewey, secretary.
Dec. 22-23. Odessa, H. H. Dunkeson, secretary.
Jan. 4-8. Harrisonville, Noel Maxwell Hall, secretary.
Jan. 7-9. Neosho, J. B. Bastian, secretary.
Jan. 11-13. De Soto, D. B. Ketchum, secretary; Emery, judge.
Jan. 11-16. Columbia, Elizabeth Hodge, secretary; E. C. Branch, judge.
Jan. 11-16. Kansas City, E. L. Noyes, secretary; Southard, Hobbs, Rankin, McClaskey, Meyer, judges.
Jan. 13-16. Excelsior Springs, S. H. Fowler, secretary.

MONTANA.

Dec. 8-12. Missoula, L. H. Harris, secretary; Wendell Purviss, judge.
Dec. 9-11. Roundup, P. A. Hagerman, secretary; C. A. Greenfield, judge.
Dec. 14-18. Kalispell, G. F. Tate, secretary; L. C. Taylor, judge.
Dec. 22-25. Conrad, Garland Prowse, secretary; C. A. Greenfield, judge.
Jan. 4-8. Butte, M. Hardy, secretary; Will Purdy, judge.
Jan. 18-23. Stevensville, J. L. Dorsh, secretary; Holdenof, Greenfield, judges.



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60 INCHES HIGH 25½c. A ROD

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NEBRASKA.

Dec. 7-11. Fremont, J. W. Caltern, secretary; Rhodes, judge.
Dec. 8-11. Chester, W. C. Richards, secretary; Guy E. Schreff, judge.
Dec. 8-11. Auburn, C. H. Masters, secretary; E. M. Quay, judge.
Dec. 8-11.- Rising City, W. R. Treadway, secretary; J. L. Todd, judge.
Dec. 9-11. Central City, Wm. D. Farrand, secretary; Earle, Smiley, judges.
Dec. 9-13. Beatrice, D. S. Whitcomb, secretary; Cottle, judge.
Dec. 16-18. Fairmont, Earle Palmer, secretary; Guy E. Schreff, judge.
Dec. 21-25. Falls City, R. A. Neitzel, secretary; C. H. Rhodes, judge.
Dec. 23-26. Bennet, J. D. Gardner, secretary; C. H. Rhodes, judge.
Jan. 7-9. Tilden, Clyde L. McCord, secretary; A. L. Houston, judge.
Jan. 12-16. Kearney, H. H. McLellan, secretary; A. H. Smith, judge.
Jan. 18-22. Hastings, A. H. Smith, secretary; Rhodes, Roberts, Thompson, judges.

NEW HAMPSHIRE.

Dec. 8-10. Milford, S. C. Ellenwood, secretary; D. J. Lambert, C. A. Ballou, judges.
Dec. 8-11. Portsmouth, F. M. Sise, president.
Dec. 15-17. Laconia, R. L. Piper, secretary; Ballou, Paine, judges.
Dec. 15-18. Derry, E. A. Cross, secretary; Watson, Woodward, judges.
Dec. 29-Jan. 1. Manchester, Geo. C. Felton, secretary; Shove, Woodhead, Tobie, judges.
Jan. 5-7. Nashua, E. B. Saunders, secretary; J. H. Woodward, J. F. Watson, judges.
Jan. 17-21. Dover, Edw. H. Quimby, secretary.

NEW JERSEY.

Dec. 10-12. Vineland, W. D. Ridgeway, secretary; L. P. Graham, H. M. Kenner, judges.
Dec. 14-19. Newark, E. S. Parr, secretary; Stanton, Nixon, Seaman, Parkhurst, Kirschler, judges.
Dec. 31-Jan. 2. Lakewood, Owen B. Shuts, secretary; Louis Paul Graham, Harry J. Wolsieffer, judges.
Dec. 31-Jan. 2. Lakewood, O. B. Shuts, secretary; J. H. Wolsieffer, L. P. Graham, judges.

NEW. YORK.

Dec. 8-11. Corning, Geo. Kennedy, secretary.
Dec. 15-18. Elmira Heights, L. G. Woodward, secretary; F. I. Bradford, judge.
Dec. 15-18. Kingston, Jasper Kelder, secretary.
Dec. 17-19. Pittsford, George A. Hicks, secretary; Frank Conway, J. W. Chapman, J. A. Smith, judges.
Dec. 27-31. Penn Yan, James W. Corcoran, secretary.
Dec. 28-Jan. 2. Fredonia, J. H. Abeel, secretary; F. W. Peters, judge.
Jan. 5-8. Oneida, R. H. DeWitt, secretary; D. M. Greene, H. B. Douglas, judges.
Jan. 11-16. Batavia, Lee Folger, secretary.
Jan. 12-16. Schenectady, H. J. Fuller, secretary; Riley, Braun, Rice, Corey, Van Alystine, Otto, McDonald, Hill, judges.
Jan. 25-29. Sidney, Archie E. Vandervort, secretary.
Feb. 12-18. New York, Chas. D. Cleveland, secretary.

NORTH CAROLINA.

Dec. 30-Jan. 2. Charlotte, W. R. Byford, secretary; W. Theo. Wittman, Loring Brown, R. L. Simmons, judges.
Jan. 5-8. Statesville, B. L. Bronce, secretary; J. W. Dennis, judge.
Jan. 12-15. Raleigh, D. L. Christian, secretary; J. W. Dennis, A. W. Newcomer, judges.

OHIO.

Dec. 8-11. Bowerston, J. E. Mehaffey, secretary; Luther A. Stream, judge.
Dec. 8-11. Gibsonburg, L. C. Hoover, secretary; Chas. E. Cram, judge.
Dec. 10-12. Cloud Chief, W. R. Leverton, secretary; H. E. Ogle, judge.
Dec. 14-18. Elmore, Geo. Kinker, secretary; Struble, judge.
Dec. 14-19. Lisbon, W. I. Bennett, secretary; J. H. Busch, judge.
Dec. 15-19. Bucyrus, E. G. Reid, secretary; Northrup, Coe, judges.
Dec. 22-25. Ashland.
Dec. 28-Jan. 2. Van Wert, D. R. Carey, secretary; E. M. Quay, judge.
Dec. 29-Jan. 1. Bellaire, C. L. Jensen, secretary.
Dec. 29-Jan. 1. Wauseon, Harry L. Merrill, secretary; Barrett, judge.
Dec. 29-Jan. 2. Tiffin, C. H. Lines, secretary; Faulkner, judge.
Dec. 29-Jan. 2. Norwalk, C. H. Sly, secretary; A. H. Emch, judge.

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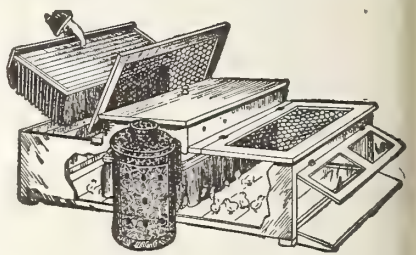
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Dec. 31-Jan. 4. Fremont, H. E. Cochn, secretary; F. W. Traviss, judge.
Jan. 4-9. Kenton, Harry Burger, secitary; J. L. Anglemeyer, judge.
Jan. 4-9. Lima, O. Burgett, secrery; Z. D. Struble, judge.
Jan. 4-9. Cleveland, Dr. R. H. Lindrst, secretary.
Jan. 5-9. Newark, B. F. Kent, secrery.
Jan. 5-10. Fostoria, Tom L. Hachet, cretary; U. R. Fishel, Z. D. Struble, C. Taylor, Ira Keller, judges.
Jan. 6-9. Edon, J. H. Mumaw, secrery; Greer, Tyrell, judges.
Jan. 11-16. Defiance, Geo. E. Miller, cretary; Geo. H. Northrup, judge.
Jan. 11-16. Galion, W. M. Huffman, cretary; Claude E. Coe, judge.
Jan. 11-16. Springfield, L. B. McDonald, secretary; Z. D. Struble, Geo. Ewald, judges.
Jan. 11-16. Upper Sanduskey, F. M. Mealey, secretary; Luther A. Stream, judge.
Jan. 11-16. Piqua, George W. Ellerman, secretary, A. H. Emch, judge.
Jan. 12-16. Massillon, Tom Kester, secretary; Gault, judge.
Jan. 12-16. Wadsworth, Chas H. Ries, secretary; Geo. W. Webb, judge.
Jan. 16-20. Chillicothe, J. Val Doersam, secretary; Charles T. Cornman, judge.
Jan. 18-23. Barberton, E. W. Arnold, secretary; Ira M. Farher, judge.
Jan. 18-25. Mt. Vernon, B. D. Humbert, secretary.
Jan. 19-23. New London, John Cassell, secretary; Eugene Sites, judge.
Jan. 19-24. Port Clinton, G. T. Conley, secretary; Ben S. Myers, judge.
Jan. 20-24. Gallipolis, C. J. McCormick, secretary.
Jan. 25-30. Eaton, Ora Overholser, secretary; T. M. Campbell, judge.
Jan. 26-Feb. 1. Woodville, A. H. Mauntler, secretary; James A. Tucker, judge.
Jan. 27-30. Zanesville, Frank C. Clester, secretary; Geo. H. Northrup, Claud E. Coe, judges.

OKLAHOMA.

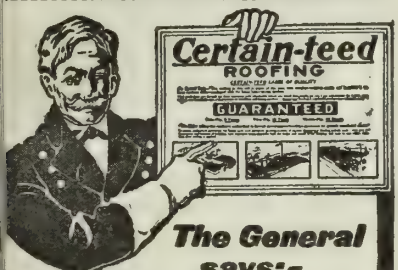
Dec. 8-11. Woodward, W. C. Walker, secretary; C. M. Briggs, judge.
Dec. 10-12. Sulphur, H. W. Broadbent, secretary; Geo. C. Winans, judge.
Dec. 14-19. Perry, J. F. Tobin, secretary; G. C. Winans, judge.
Dec. 14-19. Frederick, W. S. Drumm, secretary; C. A. Emery, judge.
Dec. 15-19. McAlester, B. C. Goss, secretary.
Dec. 16-19. Mountain View, P. A. Parnell, secretary; C. A. Emery, judge.
Dec. 16-20. Hydro, Chas. H. Hatfield, secretary; J. W. Southmayd, W. C. Talbout, judges
Dec. 17-19. Lawton, P. G. Fullerton, secretary; A. L. Lund, pres.
Dec. 21-24. Carnegie, Paul C. Dawson, secretary; Geo. C. Winans, judge.
Dec. 29-Jan. 2. Mulhall, W. A. Lobdell, secretary; W. C. Tallant, judge.
Jan. 4-9. Enid, Fred Atherton, secretary; Adam Thompson, judge.
Jan. 4-9. Waukomis, Fred Atherton, secretary; Adam Thompson, judge.
Jan. 5-8. Elk City, A. Guarhart, secretary; C. M. Briggs, judge.
Jan. 12-16. Crescent, Joe Freshman, secretary; J. J. Atherton, judge.

OREGON.

Dec. 16-19. Astoria, P. H. Haddan, secretary; Will Purdy, judge.
Dec. 22-25. McMinnville, H. E. White, secretary; G. G. Wherry, judge.
Jan. 6-9. Heppner, J. Frank Hall, secretary; B. F. Keeney, judge.
Jan. 6-10. Albany, Mrs. C. W. Vunk, secretary; F. W. Breed, judge.
Jan. 12-15. Salem, G. M. Voris, secretary; Harry H. Collier, judge.
Jan. 12-16. Newberg, Craig Duer, secretary; C. F. Butler, judge.

PENNSYLVANIA.

Dec. 8-11. Stroudsburg, Lester E. Lord, secretary.
Dec. 8-12. Harrisburg, C. S. Smith, secretary.
Dec. 8-12. Pottsville, R. O. Umholtz, secretary; A. Anderson, Riley, Fell, Hoffman, Kriner, Kenner, judges.
Dec. 9-12. Kutztown, Jacob C. Hock, secretary; W. J. Stanton, judge.
Dec. 14-19. Uniontown, H. L. Bird, secretary; O. J. Braun, L. C. Taylor, judges.
Dec. 15-18. St. Marys, F. D. Lambert, secretary; Turner, Ingram, Peters, judges.
Dec. 28-Jan. 2. Berwick, R. S. Hortman, secretary.
Dec. 28-Jan. 2. Warren, L. E. Conroy, secretary.
Dec. 28-Jan. 2. Erie, J. F. Boyer, secretary.
Dec. 28-Jan. 2. Easton, W. C. Edelman, secretary; Fred Huyler, judge.
Dec. 29-Jan. 2. Lewistown, L. E. Aurand, secretary; H. M. Kenner, Jacob Eberly, judges.
Dec. 30-Jan. 2. Du Bois, A. H. Sindorf, secretary; Brodford, judge.
Dec. 30-Jan. 2. Sellersville, E. R. McCrork, secretary; James T. Baldwin, judge.
Jan. 4-9. Titusville, Albert Waldron, secretary.
Jan. 4-9. Kane, W. K. Whitehill, secretary; Geo. W. Webb, judge.
Jan. 5-8. Wellsboro, C. P. Wingate, secretary; J. E. Weaver, judge.
Jan. 6-11. Canonsburg, Geo. C. McPeake, Secretary.
Jan. 7-9. Ambler, W. W. Slutter, secretary.



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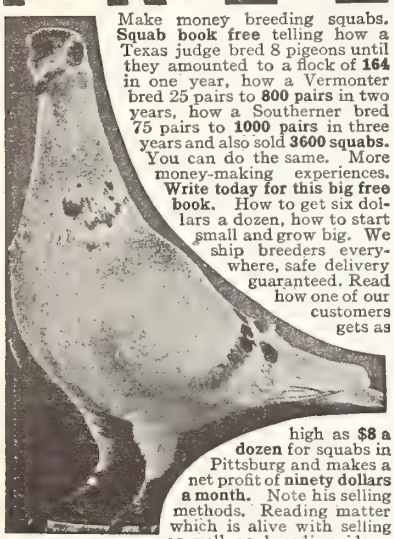
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Jan. 11-16. Bentleyville, E. C. Snyderberg, secretary; H. B. Savage, judge.
Jan. 11-16. Altoona, H. S. Wertzberger, secretary; S. G. Case, Herman Hoke, judges.
Jan. 12-16. Johnstown, W. S. Krise, secretary.
Jan. 18-23. Greenville, W. F. Beck, secretary.
Jan. 18-23. Pittsburgh, W. P. Craig, secretary; Kummer, Punderford, Card, Rice, Schwab, Hewes, Oswald, Lewis, Rawnsley, Wittman, judges.
Jan. 20-23. Franklin, C. M. Myers, secretary; J. F. Nelson, judge.
Jan. 27-31. Butler, David H. Rankin, secretary; A. F. Kummer, judge.

RHODE ISLAND.

Dec. 8-10. Bristol, James U. Clarkson, secretary; C. F. Flander, D. P. Shove, judges.
Dec. 17-19. Westerly, Roger F. Dunham, secretary; C. A. Ballou, D. P. Shove, A. C. Gilbert, judges.
Jan. 7-9. Wickford, John P. B. Peirce, secretary; Paul P. Ives, judge.

SOUTH DAKOTA.

Dec. 14-18. Redfield, D. E. Walker, secretary; Calvin Ott, judge.
Jan. 4-9. Miller, R. N. Hunt, secretary; U. J. Shanklin, judge.
Jan. 11-15. Woonsocket, Mattie P. Webster, secretary; A. B. Shaner, judge.
Jan. 12-16. Sioux Falls, Roy W. Sherwood, secretary; Glen F. Richards, judge.
Jan. 19-23. Pierre, Joseph Ihli, secretary; Joseph Dagle, judge.
Jan. 20-23. Salem, Dr. Ralph H. Fouser, secretary; Ralph Whitney, judge.
Jan. 27-Feb. 2. Mitchell, Wm. Scallin, secretary; F. H. Shellabarger, A. B. Shaner, judges.

TEXAS.

Dec. 6-11. Cleburne, J. S. Hoffman, secretary; C. P. Van Winkle, judge.
Dec. 9-12. Victoria, F. F. Aschbacher, secretary; R. A. Davis, judge.
Dec. 10-13. New Brauenfels, Alex Forke, secretary; H. B. Savage, judge.
Dec. 30-Jan. 2. Vernon, O. B. Dawby, secretary; Walter Burton, judge.
Jan. 7-11. Dalhart, Roy McDonald, secretary; Walter Burton, judge.
Jan. 14-16. Corpus Christi, L. E. Thorn, secretary; C. P. Van Winkle, judge.

UTAH.

Dec. 28-Jan. 2. Ogden, W. L. Bramwell, secretary; D. T. Heimlich, judge.
Jan. 11-16. Salt Lake City, Harlow R. Grow, secretary; Guy E. Schreff, judge.
Jan. 18-23. Logan, Alma Olsen, secretary.

VERMONT.

Jan. 5-8. Montpelier, W. A. Moir, Jr., secretary; Henry R. Imgalls, Paul P. Ives, judges.
Jan. 20-23. St. Albans, M. D. Jarvis, secretary; D. P. Shove; C. A. Ballou, judges.

VIRGINIA.

Jan. 7-9. Abingdon, R. R. Campbell, secretary; S. J. Latture, E. C. Hamilton, judges.
Jan. 12-15. Norfolk, J. D. Griffen, superintendent.
Jan. 12-15. Waynesboro, Chas. C. Brunk, secretary.

WASHINGTON.

Dec. 15-19. Spokane, Mrs. H. A. Klussman, secretary; Jas. A. Tucker, judge.
Dec. 21-26. Colfax. W. J. Scott, secretary; H. H. Collier, judge.
Dec. 23-26. Aberdeen, J. E. Fowler, secretary; W. S. Russell, judge.
Dec. 29-Jan. 2. Tacoma, J. A. Caddey, secretary; W. S. Russell, judge.
Jan. 4-9. No. Yakima, A. F. Linse, secretary; Oscar Nelson, judge.
Jan. 11-16. Seattle, W. H. Haven, secretary; Shellabarger, judge.
Jan. 14-16. Colville, Joe Cleator, secretary; Will Purdy, judge.

WEST VIRGINIA.

Dec. 29-Jan. 1. Buckhannon, A. S. Watkins, secretary; Geo. W. Stout, judge.
Jan. 4-9. Charleston, J. C. Byrd, secretary; R. L. Simmons, judge.
Jan. 5-9. Morgantown, E. M. Dille, secretary; S. G. Case, judge.
Jan. 11-16. Williamstown, W. P. Miller, secretary; James Corfman, judge.

WISCONSIN.

Dec. 17-20. Plymouth, H. J. Dietsch, secretary; J. E. Greenwall, judge.
Dec. 17-21. Jefferson, Mike Connolly, secretary; E. G. Roberts, judge.
Dec. 21-24. Sussex, Fred S. Cook, secretary; Geo. W. Hackett, judge.
Dec. 28-Jan.1. Mukwonago, R. J. Porter, secretary; W. H. Laabs, judge.
Dec. 29-Jan. 2. Milton, Rev. Drew, secretary; J. E. Greenwall, judge.
Dec. 30-Jan. 3. Ft. Atkinson, Claire

Spray White Wash

Kant-Klog Sprayer
for disinfecting and white washing poultry houses—spraying vines, vegetables, etc. Write for catalog. Agents wanted.
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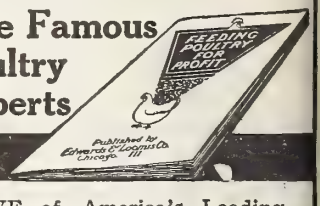
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	12	x 18	x 22
	12	x 22	x 22
	20	x 22	x 22
	20	x 24	x 22

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Make your Hens lay



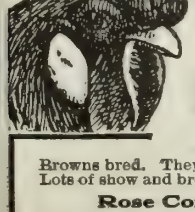
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does the work and saves **money.** It saved one man $90 in beef scrap alone in 8 months. It will do the same for you and double your egg output.

1-lb. 25c, 5-lbs. $1, 25-lbs. $2.50 and your money back if it fails. Absolutely harmless. Agents wanted.

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Pullet record 244 eggs one year. They are large and lay large eggs.

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236 and Cyphers 281 egg strains. 120 one year hens, 100 pullets for sale. Cocks and Cockels; all farm raised. Strong and vigorous.

White Wyandottes

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Single Comb Reds

Tompkins'

Fine show and breeding stock of all above breeds. Be sure and send for catalogue.

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Roberts, secretary; E. G. Roberts, judge.

Jan. 4-8. Madison, J. G. Halpin, secretary; Hackett, Hale, Stanfield, judges.

Jan. 4-8. Lake Geneva, G. B. Stannard, secretary; Chas. V. Keeler, judge.

Jan. 5-8. Waterford, A. L. Noble, secretary; T. J. Rountree, judge.

Jan. 5-9. Chippewa Falls, R. R. Woodruff, secretary; W. H. Laabs, judge.

Jan. 6-10. DePere, Chas. Behrendt, Jr., secretary; Geo. Wells, judge.

Jan. 6-10. Sheboygan, Geo. L. Spratt, secretary; G. W. Hackett, E. C. Borcherdt, Jr., judges.

Jan. 11-15. Sparta, J. L. Herbst, secretary; E. H. Hoffman, judge.

Jan. 11-16. Janesville, E. G. Roberts, judge.

Jan. 11-16. Mineral Point, Allen Tucker, secretary; Geo. Wells, judge.

Jan. 11-17. Racine, E. J. Amundsen, secretary; Hackett, judge.

Jan. 14-17. Fond du Lac, Theo. Dilling, secretary; James Tucker, judge.

Jan. 14-18. Antigo, R. E. Krause, secretary; T. Hackett, judge.

Jan. 19-23. Superior, W. A. Roycraft, secretary; Geo. W. Hackett, judge.

Jan. 20-23. Green Bay, L. H. Hebel, secretary; J. E. Greenwall, judge.

Jan. 21-24. Oshkosh, Harry G. Simpson, secretary.

Jan. 25-27. Augusta, F. B. Seville, secretary; Geo. W. Hackett, judge.

Jan. 25-30. Beloit, Guy S. Lee, secretary; T. J. Rountree, judge.

Jan. 26-29. Manawa, M. Mitchell, secretary; J. E. Greenwald, judge.

Jan. 28-31. Appleton, Dr. W. L. Farrand, secretary; Wells, Dippel, judges.

WYOMING.

Dec. 21-25. Cheyenne, C. F. Smith, secretary; Thos. W. Southard, judge.

Cleveland's Quality Show.

The Cleveland Poultry Breeders' Association begs to announce to A. P. J. readers that their third annual exhibition, to be held in Gray's Armory, January 4th to 9th, will eclipse anything ever pulled off in the Sixth City.

Last year's show was conceded by all prominent poultry men to be the best they ever attended, but wait for this one.

The Ohio State University of Poultry Husbandry will give a free exhibit of the poultry industry in its entirety, which promises to be a big feature of this show.

Other attractive features will be announced in the premium list and numerous national and state meets of the various specialty clubs will be held in connection with this show, the main one being the national meet of the Buff Wyandotte Club, where the extra cash prizes will be a great attraction to all members belonging to this club, and Mr. L. D. Howell, secretary of the Grand Central Palace Show, New York, will be the judge of this class.

Other judges will be J. E. Gault, Luther A. Stream, W. G. Minnich, A. H. Emch, George Webb, F. L. Simmons, J. W. Whittaker, J. H. Busch. Entries close December 15th.

Dr. R. H. Lindhorst, Secretary,
Clark and West 25th Sts.,
Cleveland, Ohio.

Order Your Catalogue for the Chicago Coliseum Show.

Breeders who cannot attend the Chicago Coliseum Show, December 11th to 16th, can secure the marked catalogue, giving name and address of all exhibitors, with complete list of winnings, by sending thirty-five cents in stamps or coin to Theo. Hewes, Secy., Indianapolis, Ind. The marked catalogue will be issued Monday morning, December 14th, and all mail orders received will be filled immediately and forwarded directly from Chicago so there will be only a matter of about one day's delay to breeders receiving the complete list. Please see that your order is in our hands in time.

The Fort Orange Poultry, Kennel and Pet Stock Association of Albany, N. Y., will hold their annual show at Union hall, Albany, N. Y., Jan. 19, 20 and 21, 1915. The association has started the innovation of a three-day show only, thus making it possible for exhibitors to have their birds returned promptly the same week in good condition. The association has a long record of successful shows held year after year, and the show this year promises to be better than ever. Liberal cash specials will be offered. Full particulars can be secured by writing to Mr. Charles B. McEwan, Show Secretary, Albany, N. Y.

Sworn Statement Made Under New Postal Law

Statement of the ownership, management, etc., of AMERICAN POULTRY JOURNAL, puolished monthly at Chicago, Illinois, required by the Act of Aug. 24, 1912.

Note—This statement is to be made in duplicate, both copies to be delivered by the publisher to the postmaster, who will send one copy to the Third Assistant Postmaster General (Division of Classification), Washington, D. C., and retain the other in the files of the post office.

Editor—James W. Bell, Chicago, Ill.

Managing Editor—Dr. Prince T. Woods, Silver Lake, Mass.

Business Manager—James W. Bell, Chicago, Ill.

Publisher—American Poultry Journal Pub. Co., Chicago, Ill.

Owners (if a corporation, give names and addresses of stockholders holding 1 per cent or more of total amount of stock):

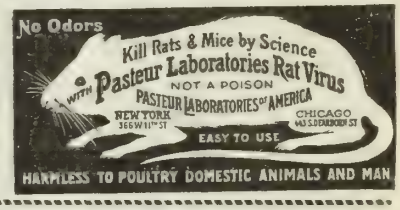
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There are no bonds, mortgages or other securities outstanding against American Poultry Journal Pub. Co., Chicago, Ill.

James W Bell, Business Manager.

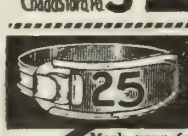
Sworn to and subscribed before me this 22nd day of September, 1914.
[Seal.] Hy. G. Eisert, Notary Public.



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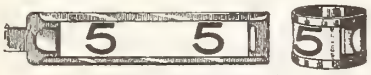
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Is guaranteed to CURE Roup or White Diarrhoea, or money back. For sale by all dealers, 25 cents, or by mail on receipt of 35 cents. Manufactured by

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Send for a free leg band for that prize bird of yours. We will also give you a circular of the Bourne big numbered poultry band, having large numbers easily read from a distance. Especially recommended for trapnested hens. State size wanted, Bantams, Leghorns, Rocks. Male or female. Band is made with black numbers from 1 to 300 on red, white, yellow, pink, cerise, green and light blue celluloid. Will stand weather and water. Price 3c each, $2.50 a hundred. Send cash with order.

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FOR POULTRY

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NEW BARGAIN BOOK FREE

Costs half as much as common chicken netting, lasts 5 times as long. No top or bottom boards necessary--big No. 9 1-2 wires support Brown Poultry Fence perfectly. **Use Half as Many Posts**

Bottom wires spaced 1 inch apart--chick tight and rabbit proof as well as stock strong and rust proof. Double galvanized. Sold direct from factory, freight prepaid. Write for money-saving bargain book showing 150 styles of fence and gates for every purpose. Samples also mailed free to test.

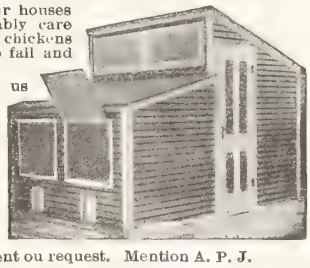
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G. A. Clark : Seymour, Indiana

The World's Greatest Silver Cup Show.

The 14th annual exhibition of the Hamilton Poultry and Pet Stock Association will be held at Hamilton, Ohio, Dec. 29th to Jan. 3d.

As usual the business men of this enterprising city, interested and anxious to see a fine and large exhibit of pure bred poultry, have donated to the association over 100 handsome silver cups of the kind that are worth going after. Over 100 cups have actually been given away each year during the past four years by the association and above all there are no strings attached to any of them; this surely is a record hard to beat. The value of these cups range from $5 to $200, and before the show they are exhibited in the windows of the business houses throughout the city and attract much attention.

As this is the only large show to be held this year in Southwestern Ohio, the management anticipate an unusually large entry, not only locally, but from the surrounding states.

Premium list will be ready about December 1st and will be mailed promptly to all those dropping a line to the secretary, M. B. Crider.

Illinois State Poultry Association.

The celebration of the twenty-first anniversary of the Illinois State Poultry Association will be held at Springfield, in the State Arsenal, January 4-9, 1915.

We have a record of twenty successful shows, each better than those preceding. We expect to continue to improve and hold the best ever this year.

Our Championship Stakes of $100 offer the largest money ever offered for every variety of poultry, ducks, geese and turkeys.

Our sales department is designed to bring the buyer and seller together without cost on the part of either, and we ask that all our exhibitors make use of this department. We had lots of inquiries for stock last year which we could not supply. Theo. Bates of Pittsfield is the superintendent and will give his entire time to this department.

If you have not written for a catalog of this show do so at once. Theo. S. McCoy, Golconda, Ill., is the secretary. Entries will close December 19th, 1914.

Champaign, Ill., is preparing for their Fifth Annual Exhibition which will surpass the great show held there last year. D. E. Hale and Theo. Hewes are the judges and the show room will be in charge of A. D. Jolly, superintendent, one who has had a lot of experience and knows how. The large Armory and uniform cooping make this one of the most attractive shows in the state. At this show will be held the second annual meet of the Central Illinois Single Comb Rhode Island Red Club. They offer five high-grade imported Swiss watches on this breed. Local White Orpington breeders offer some very special prizes on their breed. They will give one fifty-dollar silver cup, two thirty-five-dollar silver cups and forty-five dollars in gold. There are many special prizes offered on other classes. For catalogue and information address Paul T. Bacon, secretary, Champaign, Ill.

The Fanciers' Association of Indiana will hold their 15th annual show, in Indianapolis, Feb. 1st to 5th, 1915. This will be the only show held in Indianapolis this year. This means one grand big show of the best quality. The judges so far selected to place the awards are, Pierce, Hewes, Moe and Zike. Others will be added. A number of specialty clubs will hold annual and state meetings at this show. Black Orpington, S. C. Brown Leghorn, Barred Rock, Buff Rock, and White Rock, with others have been booked. The Bantam classes will be a special feature of this show as for the past two years. Bantams at this show made a good show alone. A request for premium list sent the secretary, C. R. Milhous, Indianapolis, Ind., will be filed and lists will be sent as soon as out.

The second annual show of the Chicago Heights Poultry Association will be held at Chicago Heights, December 30-31, 1914, and January 1-2, 1915. Mr. Chas. A. McClave will judge same by score card. Entries close December 28th. Uniform cooping. Premium lists may be had by addressing B. T. Gibbs, Jr., Secretary, Chicago Heights, Ill

BABY CHICKS—4 Varieties

Now come in with your orders and we will give a good shipping date. Catalogue free.

20th CENTURY HATCHERY

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WARM WATER—GET EGGS

A little Putnam Stove keeps poultry fonts un-frozen zero weather; burns 3 pints oil a month without refilling or trimming. $1.50 postpaid. Satisfied or money back. **I. Putnam, R 105, Elmira, N. Y.**

Silver Laced Wyandottes

Stock for sale. Write us your wants.

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World's Best Strain S. C. Buff Orpingtons

Some choice hens at a bargain price; few cocks and 300 young birds of superior type. Write me.

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STUEBE'S

White ORPINGTONS

"The Best in the West." If you want stock or eggs, write me. Square deal and reasonable prices.

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Specialty breeder of the best Single Comb in America. Show stock, chicks, eggs and line-bred winter ayers for sale reasonable. Circular free.

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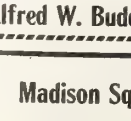
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Jacob Klein : Bethany, Ill.

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for poultry. Six colors. Double numbers on each band, can be read in any position ten feet away. You don't have to pick up the bird. Handsomest, most practical, a wonder. Send 12c for six different colored samples and explanatory circular. Money back if not satisfied.

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Columbian Wyandottes

Supreme strain. My March pullets were laying in August. I can supply you cockerels and pullets at golden rule prices. I am already booking orders for eggs and baby chicks. Order early and save disappointment. Mention American Poultry Journal.

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Madison Square Garden, New York

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White Plymouth Rocks

We can supply your wants in Breeding and Exhibition Birds of extra value. My birds have won the leading Prizes at America's Greatest Shows. Write your wants and for circular. Mention A. P. J.

WEBSTER FARM GIRARD, PA.

Lichtenwalter's Buff Rocks

Ever good for years, better than ever now. Let's have your wants. Have won at all leading shows East and West.

E. H. LICHTENWALTER GIRARD, PA.

ıe Greater Chicago Poultry Show.

Encouraged by the expressions of good ll and the satisfaction displayed by the ıibitors at their first show, the Chicago ultry Breeders' Association are making ry effort to make this, their second anal show, an event that will long be remembered in the history of the poultry ternity in the Middle West. The doors ll be open to the public Thursday morn-, January 14, at 10 o'clock and will close ednesday evening, January 20, at 10 lock.

We have secured a hall that has all the quirements to make a successful poultry ow, it is excellently provided with light- and heating facilities, the natural light afforded by two rows of windows in the nitor roof as well as two rows on the es of the building running the entire gth of it, making the center as bright as sides and unnecessary for artificial hting till late evening.

We have secured the state meet of the ıerican Poultry Association, which makes rs the official Illinois American Poultry ow, and we offer the Gold Medal for the t cockerel in the show, Silver Medals first prize winning cockerels, six medals Bantams, one for the best turkey, the t goose, the best duck and a diploma for best male bird under 1 year in all ndard varieties. We have also with us annual meet of the International S. C. ode Island Club, the National S. C. Black pington Club, the American Columbian mouth Rock Club and the National Coınbian Wyandotte Club, who will make y fine and interesting displays in their pective varieties.

The National Pet Stock Association of ıerica will also meet here and are planıg on showing over 500 specimens of es, rabbits, cavies and skunks, now bred y extensively for their fur.

The following judges will officiate: D. E. le, Earl Hemenway, Charles McClave, Joe leman, Calvin Ott, Frank F. Conway, Jos. gle and E. M. Quay. These men are own the country over for their ability and h is assigned to pass on classes where he particularly fitted to judge, and the breedı realize that a win under them means ality. The judging will start Friday rning, the 15th, after the birds have had lay of rest to offset the inconvenience of vel and become familiar with their quars. The awards will be posted by the ges as soon as the classes are finished, that the exhibitors will be in a position do business on the strength of their winıgs for the best four days of the show. ere were entries from ten states and Can- last year, and judging by the requests eived for premium lists, but very few ates will not be represented by exhibits s trip.

Chicago being in the exact center of the ıe largest poultry-producing states in the ion, makes it a very logical exhibition y, easily reached by the breeder as well being convenient to the prospective buyer, d it is safe to say that there is not a city the United States that has as many poul-raising and interested people within a ius of 50 miles of Chicago. What does at mean to the breeder? It means greater ances for selling both stock and eggs. A prising feature of our last show was the ling end of it. Exhibitors reported sales m the first day, the first two sales reded by the secretary were for a single d a pen, and the figure in each case was 0.00, and this year we will have a new ture for selling birds that we know will ase the man who wants to sell some of stock, and should result in sales whether is on the ground or not, as it can be rked both ways.

A word to the breeders of the varieties ently admitted to the Standard, this is first chance of winning the A. P. A. dals in Illinois and should be taken adntage of in a very conspicuous manner by king nice exhibits, so as to let the visitg public realize the strength of these varies. We will again use the A. P. A. official k woven ribbons and other supplies this ar. Every premium will be paid before close of the show, and all exhibitors can l assured that the best of care will be ven of their birds, and that a square deal all will be the slogan of the show this ar as it was in the past. The Genesee stem of cooping will be used and the comny informs us that they will outdo their vious efforts in putting up a very atıctive and neatly cooped show. The enes will close December 28, 1914. Send our premium list and entry blanks. Do now. For we know that after you will ome acquainted with us in the show room at you will be more than pleased with the ults and that you will then figure on king our show your main western exhibit. thur E. Lemieux, Secretary, 4537 N. St. uis Ave., Chicago, Ill.

The catalog and premium list of the Batavia Poultry Association, for their second annual exhibit are now in the hands of exhibitors. The dates for this show are December 15 to 18, 1914. If you are interested and have not received a copy, write for one at once, as the entries will close at midnight on December 5th. You just have time to get the list and make your entries before that time, if you act quickly. If you will drop a postal card to Charles A. Pierce, secretary, Batavia, Ill., mentioning this paper, your copy of the premium list will come by return mail.

The National Java Club offers to its members the following silk club ribbons: One for the best black Java cock, one for the best black Java hen, one for the best black Java cockerel, one for the best black Java pullet, one for the best mottled Java cock, one for the best mottled Java hen, one for the best mottled Java cockerel, one for the best mottled Java pullet. Any person not a member wishing to compete for these ribbons can register with the secretary before the closing of the entries for this show. Membership is free until March 1, 1915. After that date one dollar per year membership fee will be charged. If interested in the Java, write to the secretary of the National Java Club for free circular. The National Java Club, Herbert J. Link, secretary-treasurer, 61 W. Lake St., Chicago, Ill.

FRITZ'S BARRED ROCKS

A few extra quality birds for disposal. Book your egg order now from my specially mated pens. My mating list mailed free on application. Chas. C. F. Fritz, Staunton, Illinois



S.C.BROWN LEGHORNS

PRIZE WINNERS

The kind of birds the fancier loves to raise. I won 1st on ckl., 3d on cock, at the Boston show, 1907; 2d and 5th cockerel, 3d and 5th cock, 3d and 6th hen, Boston, 1908; 1st on cock, 3d on pullet, at Madison Square Garden, 1905; 1st cock, 2d and 3d on cockerel, 1st on pullet, 1st on pen, and 10 special premiums at Chicago show, 1905, winning fifteen prizes on eight birds. At Chicago, December 1909: 1st and 2d cock, 1st and 5th cockerel. First cock, 1st cockerel at the Great Chicago Show, 1910. A choice lot of show and breeding stock now ready for delivery. Circular showing my winnings free. Write now.



W. H. WIEBKE Box P 348 FORT WAYNE, IND.

BRUBAKER'S S. C. W. LEGHORNS

Have won more prizes at Philadelphia in the last six years than any other strain. They have also won at all the leading eastern shows including Madison Sq. Garden, Cleveland, Allentown, Camden, Pittsburg and Lancaster.

If you want birds that will win write me for prices. I can furnish you with the best quality for your money.

E. E. Brubaker Box A Bird-in-Hand, Pa.



TRADE AEM MARK THERMOMETERS NEVER VARY

For more than half a century **"AEM"** has been recognized as the stamp of thermometer **accuracy** and **perfection.**

So when you need a thermometer remember to see that **"AEM"** is stamped on clearly as shown in the picture.

When you buy an Incubator or Brooder insist that it must be equipped with an **"AEM"** Thermometer and save your chicks.

If your dealer can't supply you with **"AEM"** tested Thermometers and Hygrometers take no chances but order direct from us.

These Are the Prices, Postpaid:

"AEM" Thermometer for any Incubator	**$ .75**
"AEM" Thermometer with Patent Electric Light Attachment	**2.50**
"AEM" Certified Incubator Thermometer	**1.00**
"AEM" Brooder or Hover Thermometer	**.75**
"AEM" Electric Alarm Thermometer	**4.00**

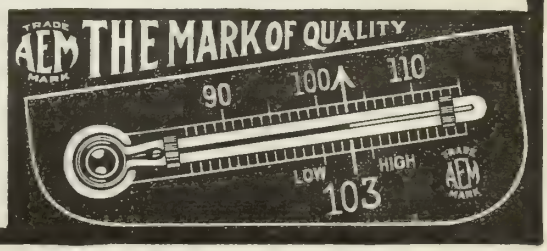
Special Prices in Quantities

Millions of chicks die in the shell because of improper moisture regulation. Use an **"AEM" Hygrometer** and always know exact amount of moisture in your incubator, and **get bigger hatches** of bigger, more **vigorous chicks.** Price $1.25 postpaid.

A. E. Moeller
261 Sumpter Street
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Makers of more than a thousand different thermometers, for all purposes.

Write today for
FREE Illustrated Booklet and Price List. Important!



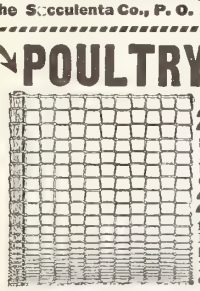
Don't Feed Green Food!

Succulenta Tablets

Do away with the bother by using

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail $1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to **The Succulenta Co., P. O. Box 405- 1, Newark, N. J.**

POULTRY FENCE



48 INCHES HIGH

22½ cts a rod

Stays 4½ inches apart. Line wires 1¾ inches at bottom to 3⅜ at the top. Goes up like farm fence.

27¾ cts a rod

for a 48-inch combined Poultry and Stock Fence. **Lawn Fence 6c. a foot.** Lowest Factory to Farmer prices. Catalog Free.

KITSELMAN BROS. Box 295 **Muncie, Ind.**



The Extra Eggs

will soon pay for one of these

Automatic Self-Heating Poultry Fountains *and* Heaters

Keeps water at the right temperature day and night in the coldest weather and requires less than a quart of oil a week. Made of Galvanized Steel. A long felt want supplied. Every Hen-house needs one. Price of 1 Heater and 2 gallon Automatic Fountain complete $1.15. Write for Circular G and testimonials. Agents wanted.

C. A. S. FORGE WORKS, SARANAC, MICHIGAN

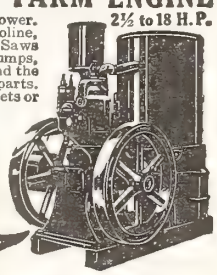
$18.30 PER HORSEPOWER

Can you buy a horse for $18.30? No! Yet you can get a six horsepower

DETROIT FARM ENGINE

2½ to 18 H. P.

for $18.30 per horsepower. Runs on Kerosene, Gasoline, Alcohol or Distillate. Saws wood, grinds feed, pumps, etc., does any job around the farm. Only 3 moving parts. No cams, gears, sprockets or valves. Positive satisfaction ten year guarantee. 30 day money back trial. We want farmer agents everywhere. Write for particulars.



Detroit Engine Works
128 Bellevue Ave.,
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Wendell's

SANITARY POULTRY SUPPLIES

INCUBATORS, BROODERS, NON-FREEZING FOUNTAINS, FEEDERS, OAT SPROUTERS AND 60 MORE LABOR SAVING ARTICLES FOR THE PRACTICAL POULTRY MAN

GET OUR BIG FREE BOOK ADDRESS

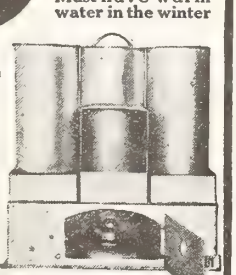


AN EGG IS 73% WATER

Your Hen

Must have warm water in the winter

This fountain will warm the water and keep the grain warm, it also will keep the frost out of a small sized hen house. We have FIRELESS FOUNTAINS that keep the water warm without a lamp, get our FREE BOOK HOW TO GET EGGS IN WINTER.



WENDELL INCUBATOR CO. HOLLY, MICH.

Notice to Rouen Duck Breeders.

To the Rouen duck breeder who sends me the best article written on Rouen ducks, containing three hundred or more words, to be used in the year book of the Rouen Duck Club of America, I will send a fine souvenir from Arizona. Also to second best. Winners to become members of the Rouen Duck Club, if not already members.

Send article at once, as this offer closes Dec. 5th, 1914.

Edgar M. LeBaron,
Vice President of the Rouen Duck Club of America, Box 48, Mesa, Ariz.

—o—

The National S. C. Black Orpington Club will hold its national meeting in connection with the Greater Chicago Poultry Show Saturday morning, January 16th, 1915, at 10 a. m., in the convention hall. Mr. P. A. Cook, president of the club, offers a Silver Cup for the largest and best display, for members only. The Club offers a Silver Cup for the best cock, hen, cockerel, pullet and pen, 10 members competing. A Gold Medal is offered by the Club to every member winning a first prize and a set of 30 beautiful Silk Club Ribbons. Cash specials are offered, based on 150 entries or more, and less than 300 to club members only. Cash specials are offered, based on 300 entries or more, to club members only. For the first entry of ten or more birds, $2; for the largest distance entry of five or more birds, $2; for the largest entry of birds before December 10th, 1914, $3. Breeders who are not members and wish to compete for these club specials can join by sending for application and other information to J. Charles Winterbottom, Secy., National S. C. Black Orpington Club, Jacksonville, Ill.

The members of the National White Wyandotte Club have decided to hold the annual meeting in connection with the show of the Central Pennsylvania Poultry Association at Harrisburg, Pa., December 8-12, 1914. The Harrisburg association has put up $200 for special money, to which the club has added $100, making $300 in all to be competed for by members of the National White Wyandotte Club only. An eighth prize won at this show will bring a money award. Full particulars and premium lists can be secured by writing to Mr. C. S. Smith, Secretary, Central Pennsylvania Poultry Association, West Fairview, Pa. The National White Wyandotte Club will offer a set of handsome ribbons at any show in the United States and Canada to be competed for by members of the club only. Membership costs but $1 per year and full particulars can be secured by addressing Mr. A. J. Gies, Secretary-Treasurer, Delmar, N. Y.

The International Fanciers' Association of Port Huron, Michigan, will hold the show January 26-30, 1915, in the Great Auditorium, which has splendid light and is conveniently located and roomy enough to admit of single decking. This association is under an entirely new force of officers, viz.: H. H. Cobum, president; Dr. Wilson, vice-president; R. C. Carlton, secretary; S. J. Watts, treasurer. The show will have birds fit to win at Chicago, Detroit and other large shows, placing the quality second to none and in every way will be one of the best shows in Michigan. The association was most fortunate in securing the services of L. A. Stahmer as one of its judges. Mr. Stahmer is the best poultry artist in America, specializing in unretouched photos, which show the bird with its natural softness. He will give lectures illustrated by lantern slides. Think what it means to you to win a ribbon under such supreme authority! Madame Paderewska made a special trip to Chicago to engage Mr. Stahmer to get up a Polish standard for her. To show in Port Huron means, you can have first-class pictures taken there of your winners that will do them justice. Judge Luther Stream of Mt. Vernon, Ohio, another most popular and expert judge will do his share. Mr. Stream has had a wide experience in the East and has such shows as Cleveland on his list. Both judges will judge the bird and not the exhibitor. Another great feature of the Port Huron Show will be its fine special premiums—the business men, being with the association to a man, responded most promptly and liberally with beautiful and costly specials. These will be listed in premium lists which will be out about Dec. 20. Write R. C. Carlton for one.



"SIGNOR FLORIO."

Sicilian Buttercup cockerel heading second pen, Grand Central Palace, New York, 1913, 20 pens competing. Owned by Bump & Donnan, Cambridge, N. Y. Made from retouched photo.

Tompkins' Strain R. I. Reds



12 years record of prize winnings. Their breeding is based on 45 consecutive years of careful selection. Send for catalogue.

LESTER TOMPKINS **CONCORD, MASS.**

HURRY—READ PAGE 1412

rth Annual Show of the Poultry Exhibition of Pittsburgh, Pa., January 18 to 23.

ain it is our privilege to use the col- s of your publication to say a few words ie poultry breeders and fanciers gener- l concerning the particular thing I am nally more interested in than anything pertaining to the poultry industry. is the "Poultry Exhibition of Pitts- n" that I want you to know more about, t has been demonstrated that the more know about our association the more inced you will become that it has ac- lished wonderful results in its progress year to year.

ose of you who attended our last exhi- n must have been impressed with the ty of the exhibits, and the quality it to win, a condition brought about by fact that our exhibition is usually the of the big shows of this country, and as tural result, the best birds of many shows are concentrated at ours, in- g us a larger percentage of the "win- from all sections of the country in etition, in fact our exhibition is called "National Championship Show of the ed States." Under such conditions it good birds to win "first"; but as one itor said to us, "I had rather win d' in such a show as this, under such ing as this, than to win 'first' in any of smaller and less classy shows." And this successful breeder and exhibitor can well be taken as the meat of our usions. A winning at the "Poultry Ex- ion of Pittsburgh" is the highest honor can possibly secure on merit of the exhibited, and merit of judging by the judges who ever handled a bird. May another word, and an important word too?

e have done, are doing, and will con- to do everything that we can do to our exhibition better from year to

u know that no one man, or number en possess all the good and wise ideas ive to a poultry exhibition, and right is where *you* can do us a kindness, and who want to put poultry exhibition the poultry business generally upon a er level and keep them there, by making suggestions for our exhibition that will be of benefit to the exhibitor or the management. I assure you such suggestions will be much appreciated.

There has been no desire upon my part in sending you this communication to disguise our selfishness, by platitudes or moralization, not at all, but it is an honor and a privilege to be in close relationship with an organization that has never lost the thought that the poultry business is deserving of the best efforts of every man connected with it, and the continuous effort to purge the business of anything and everything that tends to lower the highest ideals and best standards.—Frederick G. Davis, President.

Fargo, N. D., Show.

Prospects for the annual show of the North Dakota State Poultry Association, which will be held in Fargo January 15-22, 1915, were never brighter than at the present time.

This association is a state institution, receiving state aid, and is recognized as the big show of the year in North Dakota. The management has been formulating plans and arrangements since early in September and more enthusiasm and ginger is being displayed than at any time in the history of the institution, which continues back over a period of more than twenty years.

One of the greatest drawbacks which the management has always had to contend with has been the securing of a showroom which would be well located from the standpoint of paid admissions as well as convenient and well fitted quarters for the comfort of the exhibitors. An excellent location has been secured for the coming exhibition, located on Fourth Street and Northern Pacific Avenue, directly east of the offices of the Horton Motor Co. The building has three floors, 37x100 feet, which can be entirely utilized for the show, giving a total floor space of over 11,000 square feet. Steam heat has been installed, insuring a steady temperature in the showrooms with the best of ventilating facilities. The building is completely wired for electricity and a large freight elevator will be used in moving exhibits from one floor to another.

Mr. E. G. Roberts, of Ft. Atkinson, Wis., will officiate in the capacity of one of the judges, the other not having been secured at the present time.

The directors of the association have secured the services of C. A. Nash, secretary of the North Dakota State Fair Association for Fargo, as business manager and promoter of the show. Many requests for premium lists have been received by Mr. Nash and the book will be mailed in about fifteen days, or as soon as it is received from the printers.

Iowa's Greatest Show.

The Jubilee Show to be held at Cedar Rapids, Iowa, January 12-18 marks the twentieth annual exhibition held in this city by this association, and plans are being made for the largest and best exhibition in its history. Dippel, Tucker and Shanklin are the judges. All fanciers are most cordially invited to make an exhibit. For copy of premium list address E. E. Richards, Secretary, Cedar Rapids, Iowa.



75¢
DELIVERED
AT YOUR DOOR
ANYWHERE IN THE 4th ZONE
10c extra for each additional zone. A feeder to hang in your coop. Feeds anything from corn to bird seed.
HOLDS 6 QUARTS
Made of 26 gage galvanized iron.
SEND COIN. GET OUR FREE BOOK.
WENDELL INCUBATOR CO.
HOLLY - MICH.

Bronze Turkeys
America's proven champions. Best breeding stock and greatest prize-winners always for sale. Eggs in season. Catalog for stamp.
BIRD BROS., Box C, MEYERSDALE, PA.
Partridge Rocks

Buff Orpingtons
On account of owner changing residence to Florida, our entire flock of Buff Orpingtons are for sale. A grand lot of high class Cocks, Hens, Cockerels and Pullets at less than half what others will charge you for the same quality.
BRUCE & ABBOTT, Box 10, Whiteland, Indiana

BLACK ORPINGTONS
THE BIG, BLOCKY KIND
A FINE LOT OF YOUNG AND OLD STOCK FOR SALE.
SYLVESTER THOS. McCABE 535 W. 4th Avenue COLUMBUS, OHIO



Jacobus Campine Bargain Sale
BREEDERS MUST GO TO MAKE ROOM FOR YOUNG STOCK
M. R. JACOBUS Original Introducer Box 3-J, RIDGEFIELD, N. J.

BYERS ORPINGTONS
BUFFS BLACKS WHITES
In all my experience judging Orpingtons at New York, Boston, St. Louis and Los Angeles, I have never handled better ones than I can and will supply this season. I can furnish quality to win above or any other shows as I have repeatedly furnished in the past. Lowest prices also named on the best layers possible in utility stock. All this is a natural result of my 15 years of consistent effort to improve the high standard of quality to meet the public demands of tomorrow instead of yesterday. Catalog free. Quotations by wire when necessary.
C. S. BYERS (Orpington Specialist 15 Years) HAZELRIGG, IND.

Freeport, Ill., Show.

The Freeport Poultry Association have completed their arrangements for the holding of their annual show December 14-19, 1914. The premium list is ready and anyone wanting one can get it by dropping a card to the secretary, Paul Wurtzel, Freeport, Ill.

The Freeport fanciers are going to have one of the best shows in the state. They will again have uniform cooping, coops furnished free, and comparison system of judging. They have engaged Judges Heyl, Hackett, Rountree and Shaner. This will insure a correct placing of all awards without the necessity of waiting until the last day for same. Everything will be completed by Wednesday evening. That will give the exhibitor a chance to put up his cards early in the week and get some advertising out of his exhibit.

One hundred dollars of silver cups will be awarded. Four hundred dollars' worth of merchandise premiums will be placed. Three hundred dollars in cash premiums will be paid. Is there any show that will do better?

The Freeport Association has secured the state meet of the Rhode Island Red Club of America and Red breeders are urged to send their birds to the Freeport show, where there will be some real competition of high-class Reds. One hundred dollars' worth of cups and special prizes will be awarded in the Red class besides the state cups, statuettes of the national secretary and the cash premiums. It will be a great show. Send your birds.

For premium list, entry blank, shipping tags, etc., write to Paul Wurtzel, Freeport, Ill.

IDEAL SPAR GRIT



(Analysis in each Package)

Get the celebrated **Maryland Spar Grit** for your chickens. In three sizes: Fine, medium and coarse.

50-POUND CARTON - $1.00
WE Pay the Postage
100-POUND BAG - - - $1.00
YOU Pay the Freight

Cash with order Mention size wanted

IDEAL SPAR GRIT CO.
16 St. Paul St. - - Baltimore, Md.

Boston's Big Show.

It was expected the premium list for the Boston show to be held January 12 to 16, 1915, would be out December 1, but the large number of specials received late may delay it a few days. In addition to the number of specialty clubs previously announced as voting for Boston for their annual meets, the Partridge Plymouth Rock Club is coming to the Hub, and word has just been received that the American Barred Plymouth Rock Club will probably decide on Boston.

Hundreds of dollars are offered in specialties. There is over $200 on Hamburgs, nearly as much on Barred Plymouth Rocks, $75 on Light Brahmas, $75 on Buttercups, specials galore on Bantams, between $300 and $400 on water fowl, and the usual generous prizes on Wyandottes, Orpingtons, Leghorns and Crested Breeds. The prizes on utility fowls, dressed poultry and eggs are the same as last year.

The Massachusetts Agricultural College will have a much larger exhibit than a year ago, one feature being a model 10-acre poultry farm occupying over 700 square feet.

Another new feature will be a moving picture show each evening of the Government Poultry Farm. This will consume about 20 minutes. Entries close December 28. W. B. Atherton, Secretary, 36 Bromfield Street, Boston, Mass.

The International Single Comb Rhode Island Club will hold its annual meeting and election of officers in connection with the Chicago Poultry Breeders' Association, January 14th to 20th, 1915. The club meeting will take place on Monday, January 18th, at 10 a. m., and there will be elected at this meeting a president, three vice presidents, a member of the executive committee for three years, and such other business transacted as may properly come up before the meeting. At this show will be held the Illinois Official A. P. A. State Show and meeting, also other National Poultry Club meetings. Undoubtedly there will be a large class of Reds. The club is offering and will pay $105 in cash special premiums on a basis of 250 Single Comb Reds in class. Single birds count one; pens count five. J. H. Valliere, secretary, Cedar Rapids, Iowa.

The S. C. White Leghorn Club of Central New York is offering a set of special ribbons at poultry shows this season, the competition for which is open only to members of the club. They will be offered at any show applying for the offer. If your show has not already received our offer you should write to the secretary at the address given below for the offer. Breeders of S. C. White Leghorns should join this club and compete for the specials, also receive other benefits of membership. For further information send for free club catalog. Membership fee $1.00. Address Edwin H. Chase, secy.-treas., R. D. 1., Edmeston, N. Y.

The Seventh Annual Exhibition of the Southern Wisconsin Poultry Association will be held in Janesville January 11 to 16, 1915, with Mr. E. G. Roberts as judge. The judging will be by comparison and it is hoped that this will be the largest and best exhibition given by this association. Yours respectfully,

Southern Wisconsin Poultry Association,
By E. M. Erikson, Secy.

GOLDEN AND SILVER CAMPINES — BUFF AND WHITE FAVEROLLES

Faverolles Will Have a Boom—Our Silver Campines of high quality. Golden Campine males and females will give you new blood, you can't get elsewhere. Clean backed, hen feathered Golden cockerels at right prices. From Nov. 19th to 20th all birds come in from the farm, strong and vigorous; it's time to order.
AUG. D. ARNOLD BOX 777 DILLSBURG, PENNSYLVANIA

S. C. Rhode Island Reds
THE GENUINE RED RAVEN STRAIN
Our pens contain some of the best Reds exhibited; winners at the great shows— New York, Boston and Chicago. Hens and pullets, $2.00 and $3.00. Special prices on 6 or more. Cockerels $2.00, $5.00, $10.00. EGGS—Mated Stock, $3 per 15, $5 per 30; Range, $2 per 15, $3 per 30, $8 per 100.
BRIDGEWATER POULTRY FARM Geo. Demlow, Prop. LIBERTYVILLE, ILL.

SATISFACTION STRAIN BUFF ORPINGTONS

are ready to win for you in any show. My big cockerel house contains 200 big beautiful matured cockerels and pullets in show condition all bred from my recent Great Chicago First Prize winners, ready to ship out on a moment's notice at prices exceedingly low. Many years ago I paid three and four times as much for inferior birds as I am asking for my own birds today. **At the last Great Chicago Show I won 1st, 2d and 3d cocks; 1st and 5th hens; 2d, 3d and 4th cockerels, 1st, 2d, 4th and 5th pullets and 1st old and 1st, 2d and 4th young pens.** I solicit your business on my great winnings of the past 5 years, the large number of birds I have reared to select from, the low prices I ask and above all for the reason that **I have not a single dissatisfied customer in the whole World.** No other breeder offers better service. A small deposit reserves your birds for future delivery for December and January Shows. Send for my catalog, "**The Buff Orpington Guide Book,**" so called because it guides the way to satisfaction. **Express prepaid on exhibition birds of $25.00 each and up.**
F. A. KAUP BUFF ORPINGTON FARM, Box K-1, GLEN ELLYN, ILLINOIS

WOODCREST PARTRIDGE WYANDOTTES
Display Champions of Madison Square Garden and Boston
The day of the "DARK MALE" has passed. To win you must have "rich brilliant red." My young stock is marvelous in color; grand in type. North, South, East and West the Judges are hanging the "Blue" on Woodcrest birds. Step to the front and let me pick a winner for you.
CHARLES H. WOOD, Mutual Building, Worcester, Mass.

Golden and Silver Campines — STOCK FOR SALE
bred from America's Champion Blue Ribbon Winners at Madison Square Garden, Boston and Baltimore. Write your needs for the show room. Exhibition Birds a Specialty.
E. F. DEAN - - - - WILLIAMSPORT, PA.

W. H. GODDARD & SONS
Champion Exhibition Birds
BARRED PLYMOUTH ROCKS

WINNERS Championship Cup at Muncie, Ind., 1912-1914. 1st PRIZE COCKEREL, Indianapolis Show, February, 1914, where we also won Championship and Color Special in same show together with 2d and 5th Cockerel bred Hen and other prizes with only FIVE BIRDS entered—WERE also winners at National Club Show, January, 1914—4th Cock at Chicago Show, December, 1913—same bird winning 1st at Springfield, Illinois State Show. Yearling Cock birds, Yearling Hens, Cockerels, Pullets, Pens, Trios and Pens sired by these birds. Rare birds at REASONABLE prices. Write for information. Please mention American Poultry Journal.

W. H. GODDARD & SONS 704 Riverside Ave. MUNCIE, INDIANA

THE DOUBLE MATING SYSTEM.

The Double Mating System Is Now Practiced by All Successful Breeders of Barred Rocks and Brown Leghorns and by Some Breeders of the Penciled Varieties.

CHAS. A. SIMMONDS, CAMP POINT, ILL.

ABOUT ten years ago both single and double mating advocates could be found in the ranks of successful breeders of all parti-colored varieties, but today we find the Barred Rock and Brown Leghorn breeders agreed on double mating, but the breeders of Partridge and Silver Pencilled varieties are still divided. The most successful breeders of the last named varieties use single mating and there is no reason why anyone should double mate these varieties.

All that is necessary is to select breeders from a line of blood that is noted for producing good colored birds of both sexes and select them as near as possible according to standard color. Always give preference to cockerels that as chicks were well pencilled but after moulting into their adult plumage were nearly solid black on breast and body. But with Barred Rocks it is very different. The Barred Rock is a black fowl with white bars, the two colors being intermingled, making light and dark gray, and the cockerels inherit a tendency to barring from both parents, while the pullets inherit it only from their dams. This makes the cockerels twice as light in color as their sisters. By carefully mating by the single mating plan one can change this tendency in the cockerels to be twice as light as the pullets, but he is working against nature. But by double-mating, nature is taken advantage of and so the work of breeding is made much easier.

It is not such a disadvantage to have to use the double mating system as some suppose. The trouble is that too many breeders try to make both matings when they should only make one. Breeding both the cockerel and pullet lines is the same as breeding two different breeds. Each requires different mating and one must exercise care that the lines do not mix or cross. So for one who can only mate a few pens each season it is much better to breed only the cockerel or the pullet line, as he can then make all matings for producing either exhibition cockerels or pullets and has a much greater chance for success than if carrying both lines.

To mate a pen for producing exhibition cockerels, select a male as near standard color as possible. If he is a little dark and narrow barred it will not matter, as very few females are dark enough for mating to produce the exhibition cockerels. The important point is that he should be barred to the skin and clean barred. That is, there should be a strong contrast between the light and the dark bars without any tendency towards intermingling.

The male bird should also be very strong in comb and head points, as he will have more influence upon these points in the progeny than the female. His legs should be a rich yellow without any dark spots and he should be as near standard shape and size as possible.

In selecting the female select a bird twice as dark as the male. Her light bars should be as narrow as possible, fifteen bars to the feather is none too narrow. In attempting to get females dark and narrow barred, however, do not be tempted to use any that are smutty or dull barred. Always select those having clear, snappy color, the dark bars as black as possible but the

Ferris Leghorns for Egsg



Compare a pen of Ferris White Leghorns with your present stock. You will get more eggs from the Ferris stock because their laying qualities are the result of 14 years' careful breeding.

Prices Reasonable

Heavy laying breeding hens and pullets $2.50, $3.50 and $5.00; cocks and cockerels $5.00, $7.00 and $10.00. A trio at $10.00, $15.00 or $20.00 will give you a splendid start. See catalog for complete description.

All stock sold on approval, and insured for 30 days. Return birds within 3 days, at our expense if not satisfactory, and money will be refunded.

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Free catalog tells the whole story. Testimonials from every state; complete description of how we developed laying and exhibition qualities. Shows views of farm and buildings, describes the birds we have to sell and gives all the information you will want before buying. If you need stock now, or eggs and chicks in the spring, write now for this catalog

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905 North Union Grand Rapids, Mich

GLOBE INCUBATORS make MONEY

Are **you** making money from **your hatches**? If not, something must be **wrong!** It may be that you are hatching with hens or the **wrong** kind of an incubator. Buy a **GLOBE OUTFIT.** It will pay you well. You **cannot** expect to have **good** hatches from any old kind of an Incubator. You must have a machine that is **built right** and one that has the **right heating system,** in order to produce good hatches and strong healthy chicks that will **live** and **grow.**

The **leading** Poultry raisers of this country have found that it does not pay to use hens for hatching. You, too, must agree that it doesn't pay to have a lot of good laying hens sitting when they might just as well be laying more eggs while your incubator hatches.

A good Incubator is a very **profitable** investment, because it is one of the most useful adjuncts to the Poultry Business, and you must not lose sight of the fact that Poultry raising is one of the greatest industries in this Country. It is becoming more and more profitable each year. During the next year poultry and eggs will bring higher prices than ever before. Get in line to reap some of the benefits of the high prices by buying a **Globe Outfit** now.

The **Globe Machines** have for years been giving the best results obtainable. The **Globe** will hatch eggs far cheaper than you can do it with hens, because it is built right and has the proper heating and regulating apparatus.

In the Illustration you can see how the famous **Globe Hot Water Heater** is installed, it will give you an idea of its superiority over any other make of Heater. **All Globe** machines are equipped with the Hot Water System.



Salesman explaining to customer the merits of the Globe Hot Water Pipe Heating System.

We have added the Globe Junior Incubator to our line and now have an Incubator or Brooder to fit every pocketbook. Prices from $4.75 up.

Send 15 cents for our 1915, 208-page Incubator, Brooder and Poultry Catalogue, (or write for prices for what you want,) it contains many new cuts and views of our Factory and Poultry Farm. It also gives a host of valuable information in regard to Running Incubators and raising Poultry. You cannot afford to be without it.

C. C. SHOEMAKER, Freeport, Ill., U. S. A.

Write for literature and prices on **Exhibition Coops**

light ones distinct and well defined. I repeat that the dark bars should be black (without showing any metallic sheen) as it is the black barred female that produces cockerels having the much desired gray-blue barring. Look well to the size of the female, as she will have most of the influence upon the size of the progeny. In shape she should be long bodied with a full round breast, low, well spread tail and stand well up on the legs. After looking well to other points it is an advantage when one can select the cockerel breeding female with a good comb, red eye, and yellow legs free from dark spots, but ninety per cent of the breeders pay too much attention to these points. The male has much more influence upon the combs and eyes of the progeny than the female. Even though the female's legs are very dark, if the grand color is rich yellow and the male's legs are yellow the cockerels in the progeny will be nearly or entirely free from this defect.

When mating a pen for producing exhibition pullets the females should be selected as near standard color as possible. The dark bars should be blue-gray in color and no wider than the light bars. The female should be of good size and as near standard shape as possible. Her legs should be a rich yellow as free from dark spots as possible. The same rule as to selecting for head points applies in the pullet breeding as in the cockerel breeding female. These points should be as near standard as possible, but are the last to be considered, as the male has the most influence upon these points in the progeny. In selecting the male to mate with this kind of female, select a bird twice as light as the female. He should be light in color, but not faded or whitewashed. The dark bars should be narrow but distinct, well defined and barred to the skin. He should have the same number of bars to the feather as is desired on the females he is to produce. Also the same parallel bars and ringy effect. He should have rich yellow legs, red eyes, and be extra good in comb and head points. Be especially careful to select a male having a firm, straight comb, as where a male's comb falls to one side a little, it is generally the rule that this defect is intensified in his female progeny.

Such matings as these can be relied upon to produce a large per cent of high class exhibition specimens where the blood lines behind the birds are right. But it must be remembered that the ancestors of the individual used in any mating come in for a large influence upon the progeny.



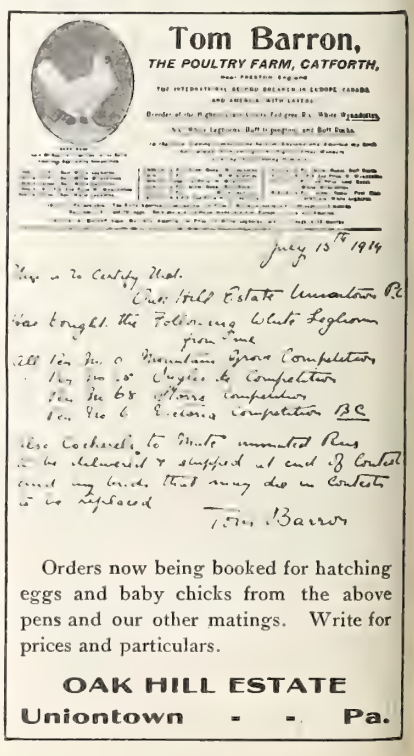
First cockerel, first pullet and first hen at Indianapolis, Ind., 1914. These winnings made in a very strong class of White Wyandottes. Bred, owned and exhibited by Chas. V. Keeler, Winamac, Ind. Above picture made from painting by Burgess.

MORE ABOUT UNRETOUCHED PHOTOS.

Editor American Poultry Journal,
Chicago, Ill.

Dear Sir: You are certainly setting the pace by tagging your illustrations and cuts in your magazines. The cuts of today are too much faked and the amateurs especially, of which I am one, will welcome this innovation because one is influenced sometimes by the cut or illustration accompanying the advertisement. I hope you will confine this to your advertising matter as well as to your cuts along in your reading matter. Please don't stop half-way. Because why fix up a photograph any more than washing a bird because they are not the natural way one sees them in the breeding pens. I think a breeder who does not have his cuts fixed up will welcome this too and will want it put in with good type in his ad. I enjoy your paper very much and although in the poultry business in only a small way, enjoy honest ways.

Yours very truly,
Leon J. Brown.
Binghamton, N. Y.



Orders now being booked for hatching eggs and baby chicks from the above pens and our other matings. Write for prices and particulars.

OAK HILL ESTATE
Uniontown - - Pa.

sling's White Leghorns at Pekin, Ill.

mong one of the pleasures of the year always count our trip to Easling's. have been to this town so often that are quite familiar with the people the streets and we can find our y home even in the dark. There are al-ys new things to see at Easling's Plant, ner it's a new idea of testing eggs or oding chicks or a new stunt in hous- that attracts our attention. Mr. sling is a thinker and has studied the ltry problem from A. to Z, which is ily proven by his great winnings in show room, as well as in producing nagnificent strain of White Leghorns, t have the laying habit and standard e bred into the bone.

t the time of our visit, right after Illinois State Fair, we found close 500 young birds that had all the marks of winners and there is no bt that many of them will make d at some of the big shows. Mr. sling has always been a crank on low carriage and his flock is noted for desirable trait. This low, well-spread carriage runs very uniformly through-his whole flock. All of his birds e in a vigorous condition and many the pullets laying. Mr. Easling is of the fanciers who makes his liv-exclusively from breeding pure bred ls. All his efforts are devoted to sing his many customers, of which has many in every state of the Union, well as in foreign countries. We many testimonial letters in his files t prove that he gave satisfaction in ry transaction and we can cheer-y recommend his stock to any one is looking for first-class S. C. White horns.

is art catalog is one of the best is-d in the interest of the breed and l worth sending for. By addressing P. Easling, Box A, Pekin Ill., will g it.—L. A. Stahmer.

Reader.

he majority of poultry raisers be-e that ground food or soft food should n a part of the daily ration and that s desirable to feed soft food in the ning, as it is more easily digested assimilates quicker than will whole in.

nd all of them admit that pure water all times should be provided; not as the first prevention of sick-s among the birds, but also because dds to their productive value.

r. A. B. Moe, of the Otis & Moe Mfg. of Chicago, has solved the pure er problem with his top-fill continu-supply drinking fountain and now also solved the difficulty of con-cting a feed hopper that will not , with his Never Clog & Waste Proof per advertised elsewhere in this issue. hese are only two of the good things Moe's line of sanitary and useful poul-supplies. Write for complete catalog 5. Otis & Moe Manufacturing Co., W. Washington Blvd., Chicago, Ill.

Will Schadt and His Chickens.

ill Schadt lives down in the land of hen, Ind., and is known from one of the state to the other as one of ana's famous fanciers. He also finds to edit a fine poultry paper, the ltry Post, and we believe is the only or connected with the poultry indus-who is also a large breeder of thor-bred fowls. On account of this he ngs in the major league for dispen-poultry knowledge and backing it with high class stock. His White ingtons, which he breeds by the hun-ds, are raised on a farm which has y advantage for producing high-grade imens and as Mr. Schadt is a con-sieur of everything that is good, his ingtons are naturally as good as you find anywhere.

hat we have said about his Orping-applies also to his White Wyan-es and Rhode Island Reds. He has a great number of these birds hav-fine type and color. Ideal conditions, tary methods of feeding and housing esponsible for the remarkable vigor-condition in which we found his s. A large number of baby chicks, k and eggs which he sells each year n ever increasing list of customers tered from the Pacific to the At-ic is absolute proof that he delivers goods.

is circular and mating list is sent to anybody applying for it and it ell worth sending for as it contains plete information regarding his meth-ods and prices. Just now he has a fine lot of youngsters in all varieties that have exceptional quality for the price he is charging and a letter addressed to him, Department No. 7 Goshen, Ind., will bring the desired information.—L. A. Stahmer.

Guard Against Disease.

Reports from various quarters indicate that there has been rather more than the usual run of poultry diseases this fall. Roup is most general of all, and, as usual, is gathering its heavy toll of chicken life.

In the East and South, Chicken Pox, or Sore Head, as it is called in the South, has broken out with unusual severity. Both these diseases are to be expected at this season, and unless extra precautions are observed in the way of thorough disinfecting and giving preventive remedies, one need not be surprised if there is an outbreak among his chickens. Well-known remedies for these diseases are Pratts Roup Remedy and Pratts Sore-Head Chicken-Pox Remedy.

If Chicken-Pox or Roup is in your neighborhood these remedies should be used anyway, as they are sure preventives.

For disinfecting purposes, Pratts Poultry Disinfectant is unequalled and its price—about a penny a gallon when diluted with water—is so low that frequent spraying, which should be the rule in every poultry yard, can be made a weekly practice. If this is done, lice, mites and the germs of disease are not likely to prove troublesome.

At this time, when there are outbreaks of these contagious diseases it is of even greater importance to maintain healthy, thrifty stock. Good health is one of the best disease resisters in poultry as in man. Heavy feeding for eggs is so general a practice that a dependable regulator is almost as essential as the mash itself. Indeed it should be part of every mash whether designed for developing, laying, moulting or fattening.

To show how this should be done, here is a laying mash used at the Pratt Experiment Station, of Morton, Pa.: 20 lbs. bran, 10 lbs middlings, 10 lbs. cornmeal, 10 lbs. ground oats, 10 lbs. beef scrap, 5 lbs. oil meal and one third of a 50-cent package of Pratts Poultry Regulator. Pratts Regulators and Remedies have ac-

J. M. Hanson-Bennett

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American Poultry Journal $1.00, To-Day's (and Pattern) .50, Woman's World .35 — All Three $1.15

The Youth's Companion—including the rest of this year, 1914, free, the 52 issues of 1915 and the 1915 Desk Calendar, all for $2.00

American Poultry Journal $1.00, Woman's World .35, Youth's Companion (Including above $2.00 offer) 2.00 — All Three $2.75

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Won 171 prizes since 1905 with my strains of Crystal White Single and Rose Combs and Golden Buff Orpingtons, at Pittsburg, Madison Square Garden and Hagerstown. Old reliable breeder, but new to you. 500 for sale. My record, calendar, mating and egg lists free.

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Crowther's Red

ARISTOCRATS



FIRST COCKEREL
At Madison Square Garden, 1913-1914

We have cockerels and pullets that for type and color are almost too grand for description. Bird after bird—almost duplicates—and some better than our **Madison Square Garden Blue Ribbon** Cockerel and Pen, which were conceded to be the best Red specimens ever shown in America.

Get our prices. Get started at once with this **"Aristocrat"** blood—the oldest, cleanest bred line of Reds before the public. Write for pictures showing development of "Aristocrats" sturdy type from chick to maturity.

Remember there is hardly one sucs cessful breeder in America who hanot at one time or another used **Crowther's "Aristocrat"** blood to make success possible.

Show and breeding birds fit for a King, Rose and Single Comb Rhode Island Reds.

IRA M. CROWTHER
Box A **Willoughby, Ohio**

quired their splendid reputation by nearly half a century's use. They were the first to guarantee to give money back if users were not satisfied. Today they are the one line with a world-wide use and in this country alone are handled by nearly 40,000 dealers. If you do not know the Pratt dealer near you, write to the nearest office of the Pratt Food Co., Philadelphia, Chicago, Toronto, and your requests will be given prompt business-like attention.

Are You Getting Plenty of Winter Eggs?

Winter is the time when farmers and poultrymen ought to make the most profit from their hens, because the price of eggs is then at its highest. Unfortunately, eggs are scarce in winter. Why is this and can it be remedied?

Dr. Gilbert Hess is giving us the why and the remedy in his vigorous talks throughout the agricultural press. First of all, Dr. Hess explains that moulting leaves hens in a weakened condition. Next, there is the lack of green stuff in winter and the hens are also deprived of exercise. Under those conditions the Doctor asserts that the egg organs of the hen become dormant or inactive or she becomes lazy and puts on fat instead of converting her feed into eggs.

As most of our readers probably know, Dr. Hess has compounded a preparation to remedy these drawbacks. His famous poultry tonic, Dr. Hess Poultry Pan-a-ce-a, which has now been on the market over 23 years, has made a fine record for itself.

Dr. Hess Poultry Pan-a-ce-a tones up the dormant egg organs, keeps the hen in a healthy, active condition, overcomes the weakening effects of moulting and, by supplying her with the necessary tonics, laxatives and internal antiseptics, helps her give a bountiful supply of eggs during the winter months.

What strikes us as particularly strong about Dr. Hess Poultry Pan-a-ce-a is the broad money-back guarantee under which it is sold: "If you are not absolutely positive," says the Doctor, "that my Pan-a-ce-a has paid you and will do you well take the empty package back to my dealer in your town and he will refund your money." The cost of feeding Pan-a-ce-a is scarcely to be considered—a penny's worth daily is enough for thirty fowl.

Ewing & Romich, Creston, Ohio, have Silver Laced Wyandottes that dazzle the eyes of the most exacting. They are laced all over, body, fluff and all. They



A flock of fine thoroughbred Bronze Turkeys growing on the range of Bird Meyersdale, Pa. This is one of the many flocks of fine breeders and prospecti winners they are preparing for their customers.

are of wonderful type, great size and ideal head points. I never saw better in any show room. They can furnish and young stock that can win anywhere. If your lacing needs bringing out, don't fail to get a pullet-breeding cockerel from them. Write for prices and mention A. P. J.—H. H. Coburn.

A. A. Carver, Seville, Ohio, is in fine shape to furnish wonderful quality in Rose and Single Comb R. I. Reds or any show room. Mr. Carver certainly has the science of mating Reds for year improvement. It is my pleasure to visit him several times a year and I keep a fine on his Reds—and he has some top-this year. Last December he made a great winning on Golden Campine at Chi-

French's Poultry Mustard

The Original Poultry Mustard in America. Absolutely pure and prepared to produce most excellent results. Used and highly recommended by thousands of breeders, fanciers and practical poultrymen the world over.

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Most satisfactory results have been obtained by its liberal and constant use. It stimulates and invigorates. It rebuilds and strengthens lost and waste tissues; It SHORTENS THE MOULTING PERIOD, and starts the hens laying. A fair trial will convince you of its worth. Avoid counterfeits and don't accept substitutes. Insist upon having **French's Poultry Mustard.** Buy it from your dealer, or send to us direct.

Our 32-page booklet giving Mr. Ralph Allen's experiments in England, together with other articles on Mustard and testimonials from prominent poultry raisers is sent free of charge for the asking. Write for this today. Address

The R. T. French Co. **Department A** **Rochester, N. Y.**

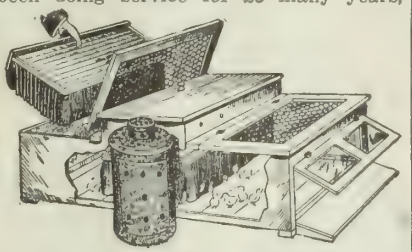
cago, and has some beautiful Goldens this year. He can fit you out in winners for any show room. Mr. Carver was one of the first to take up Red Sussex and has done his share for this wonderful breed. He later went in for Speckled Sussex and is secretary for the Sussex Club. The Carver R. I. Reds have won in twenty-five states and can win anywhere any time. Write for prices on exhibition and first class breeding stock in any of the above named breeds.—H. H. Coburn.

Woolery Farms.

Woolery Farm, Bloomington, Indiana, owned and managed by Dr. Woolery and nephew, Ralph Woolery, has come to the front with such rapid strides as to be nothing short of phenomenal. When we visited this farm in September they had upward of 1,000 young White Orpingtons of the most promising quality. Old White King, now in his fourth year, is just as young and as white as he used to be. He sired the great cock that won first at Cincinnati at the National Club Show, 1913. He headed pen 3 last season. He sired the first Illinois State Fair cockerel, 1913, which headed pen 1. Judges Hewes and Pierce pronounced him the best White Orpington cockerel they had ever seen. And as a yearling cock, he still retains his wonderful quality and his young stock is among the best ever raised. Old White King sired first prize cockerels for over 20 shows, among them: St. Louis, Cincinnati Decatur, Indianapolis and Columbus. He headed yard 4 last Spring and among the beautiful females in his pen were 1-3 Cincinnati pullets, 2nd Chicago pullet and other good ones. The above shows how the Woolery young Orpingtons are bred and what we can expect of them, both in the show room and breeding pens. We just mention these few individuals in passing but there are others in plenty. We must not forget the second grand victory at the Illinois State Fair last September. Woolery Farm won 1-3-4 cock, 1 hen, 1-3-4-5 cockerel, 2-4 pullet, first young pen and 2nd old pen. If you want first class White Orpingtons write Woolery Farms, Bloomington Ind., and mention A. P. J.—H. H. Coburn.

Something New in Brooders.

We are gratified to note that somebody has had enough of the progressive spirit to build a brooder that is different from the same old type of brooder that has been doing service for so many years,



and we cannot help feeling that the new Klose-Kontact, Fresh-Air brooders which The Buckeye Incubator Co. recently put on the market are going to save a large percentage of the chicks which most of us usually count on losing.

These new brooders are built after nature's own plan with a warm contact over the backs of the chicks and absolutely free ventilation under all conditions. They are very simple in construction and so arranged that they are practically self regulating. The Buckeye Incubator Co. have published a splendid description of it in their current catalog and it should help every breeder to at least read the claims that are made for this style of brooder construction. They certainly look logical and you can get the catalog for nothing by addressing the manufacturers at Springfield, Ohio. Just ask for a catalog of the Kant-Krowd, Klose-Kontact, Fresh-Air Brooders.

Rawnsley-Shields Poultry Farm.

About 4 miles out the city of Columbus, Ohio, on the Delaware Electric line, we find the farm of Rawnsley-Shields. It is ideally located and altogether an up-to-date poultry farm. The very name of the firm guarantees the quality of their Buff Orpingtons and Red and Speckled Sussex. Mr. Rawnsley, one of the greatest raisers in America, grades and divides the stock according to size so as to keep them growing every minute. And he had young stock exceptionally well grown for the Hagerstown Fair, Oct. 13-16. There is no better authority in the country than Mr. Rawnsley on English breeds, especially; and he is the most expert conditioner and puts his birds in shape to win, and wins. On S. C. Buff Orpingtons he won 1st cock, 1-2-3 cockerel, 1st old pen, 1st young pen, 1-2 hen, 1-2 pullet. The class was the strongest ever shown at Hagerstown or any other early show and besides the above they won champion male and champion female of all Orpington classes, and to cap the climax, were awarded cup for best bird of the whole show, with 7,574 birds competing. This championship was won by 1st Buff Orpington cockerel. It is safe to say this cockerel is the best Buff Orpington cockerel ever shown, as was admitted by all judges, exhibitors



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White Wyandottes

Excellent Cockerels for sale at $3 and $5 each. Book your orders now for Eggs and Baby Chicks.

EGGS—$2, $3 and $5 per 15
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Catalogue free. Mention Am. Poultry Journal.

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My Booklet Tells

How to save baby chicks from vermin, varmints, diseases; how to pick out laying hens; how to make hens lay. 25c gets it. It's your move.

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SAY! ARE YOU GETTING ALL THE EGGS YOU WANT, OR COULD EXPECT?

My Buff Rocks have records of 200 to 248 eggs a year and won at Boston, Brockton, Syracuse, etc. I have fine males and females to sell out of my trapnest hens. I breed Barred, White and Buff Rocks, R. I. Reds, Wyandottes, Orpingtons, Leghorns—all pedigreed stock. Try my stock and get out of the mud.

Sunnyside Farm, Box 1002, Bristol, Vt.

FULLER'S BARRED ROCKS

Indiana State Fair winners; also blue ribbon winners at Terre Haute, Ind.; Princeton, Ind.; Vincennes, Ind.; Elnora, Ind.; etc.

Hen hatched, fresh air and range reared; eight years of breeding and producing the type and color that is winning the blue. Write me for show birds or breeders. Prices reasonable.

CHAS. G. FULLER
Ind. Sec'y American Barred Ply. Rock Club
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In recent years I have showed at all the leading shows of the U. S. and the EVERLAY strain

Brown Leghorns

Have been consistent winners at all of them. Quite naturally I can fit you out to win no matter where you live if you will write me your needs and name the show. Quality birds reasonable is my motto. Note show records before you buy—my winnings not musty with age.

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$7.75 Buys this New 1915 Model **Reliance 150-Egg Incubator**



Freight Paid East of Missouri River and North of Tennessee. Good allowance in other territory.

With 150 Chick Brooder $10.50

Built with same superior features as have made our machines leaders since 1906, with addition of Glass Door and Ideal Safety Lamp. Especially recommended to beginners on account of its automatic operation. Gives larger hatches. Uses less oil.

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Order direct from adv. on our money-back guarantee of satisfaction, or write quickly for full details. We save you $10 easy. We furnish fertile eggs for hatching if desired. Ask for prices.

RELIANCE INCUBATOR CO., Dept. 50., FREEPORT, ILLS.



Look Out for Chicken Thieves!

Examine your birds and see if lice are not robbing your poultry of health and vitality, and yourself of profits. Get the Old Reliable

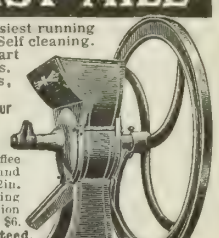
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It knocks these thieves out *quick*. Will not injure eggs, hens or chicks, nor soil plumage. Sold in 10c, 25c, 50c and $1.00 sizes. Latest copy of Lambert's "POCKET BOOK OF POINTERS" for 2c stamp.

THE KLEIN-LAMBERT CO., 501 Traders Bldg., Chicago

$5 Humphrey's Wonder GRIST MILL

Simplest, easiest running mill built. Self cleaning. Mill taken entirely apart by loosening four bolts. Grinds corn, oats, barley, rye, etc. Capacity 2 to 7 Bushels per hour. Grinds fine or coarse. Special process chilled iron. Self-sharpening grinding rings. Can grind meal, coffee and spices for table use. Hand wheel 20in. Power pulley 12in. x 2in. Uses 1 H.P. Shipping weight 55 lbs. Combination hand and power machine $6. Ask for catalog. Guaranteed.



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PILLING CAPON TOOLS *Easy to use*



MORE THAN DOUBLE YOUR COCKEREL PROFITS

Capons grow twice as large on the same amount of feed and bring twice the price per pound.

Capons bring 30c per lb. Roosters 15c

Complete set of reliable, practical, easy-to-use Capon Tools—full, illustrated instructions included. Parcel Post prepaid. $2.50

G. P. PILLING & SON CO. Phila., Pa.
Send for FREE Capon Book



THE MILLER FRESH AIR HEN HOUSE

Ready-made—Comes in sections—Bolts together in few hours' time—For city and country, very attractive It's the latest improved and most practical hen house on the market. Write for printed matter on portable hen houses, garages, barns, cottages, corn cribs and sectional buildings of every description. Write today. The Miller Manufacturing Co. 8001 Alabama Avenue, St. Louis Missouri.

and breeders the finest ever seen by them. He is wonderful in type, perfect color, fine point comb, red eyes, over standard weight and in the pink of condition. The championship hen weighs 10 pounds and is one even sheet of golden buff to the skin; sound tail and flights, with grand type and neat head. She and the cockerel are a great team. What would you give for eggs from this mating? The Red and Speckled Sussex shown were well grown though very young. Mr. Rawnsley, with his great knowledge of fancy poultry, saw what there is in Sussex for the fancier and utility farmer, so is among the first to adopt them. He sold his entire stock of Light Sussex and is now breeding the two varieties, admitted to the standard. At Hagerstown, the Rawnsley-Shields Farm won on Reds, 1st cock; 1-2-3 hen; 1st cockerel; 1st pullet. No pen shown. Speckled Sussex 1st cock; 1st hen, 1-2 cockerel, 1st pen. Write for prices on Buff Orpington show cockerels.

H. H. Coburn.

Here Is a Real Christmas Present for Any Little Girl.

We have just learned that the Neponset House which is sold by Bird & Son as an advertisement of their business was really designed by one of the leading architects of the United States. As Bird & Son are manufacturers of building products, Neponset roofings, wall board, shingles and building papers, it is only natural that anything of this sort which they have put out would be correct in design and construction. For this reason the little Neponset House is more than a toy.

It is an exact reproduction of an old Colonial house, white in color with green blinds and solid red chimneys. The back is open like any doll house, making it a useful as well as an attractive and ornamental toy.

On one of the wooden sills there is tacked a tiny name plate, "The Neponset House," but outside of this the house is not marred in any way by advertising.

One would never suppose it was an advertisement.

The house is shipped all taken down and packed flat in a strong Neponset Fibre case complete. Everything for putting it together is included so that the purchaser need supply only the hammer. The assembling of it is great fun for the old people and can be done in from fifteen minutes to half an hour. The dimensions are 2 feet 6 inches long by 1-foot 3 inches wide by 1-foot 7 inches high.

Many of the Neponset dealers are carrying a stock of these houses or they can be obtained direct from Bird & Son at East Walpole, Mass.

One of War's Lessons.

The movement of vast forces of men, horses, ammunition, huge siege guns weighing tons, food and supplies, with marvelous rapidity—all point to the great value of one thing—organization.

The more are efforts united, the greater is the success of all concerned. The greatest economy of production, operation, transportation result.

They say the pen is mightier than the sword. So's the ploughshare. And as absolutely necessary to the nation as are our farmers and poultrymen, there's no reason why organization for them would not prove as economical as for the military. The fact is that this is recently proven correct. The Certified Farms Co., with offices at 26 W. 59th St., New York City, is growing by leaps and bounds. Originally founded for the purpose of selling eggs and dressed poultry direct to the consumer, at a minimum of cost in advertising, equalizing the supply to the varying demand, and giving a backing to the sale of these goods that the customer would appreciate, this concern has recently expanded in a way that should interest every poultryman within a day's journey of New York.

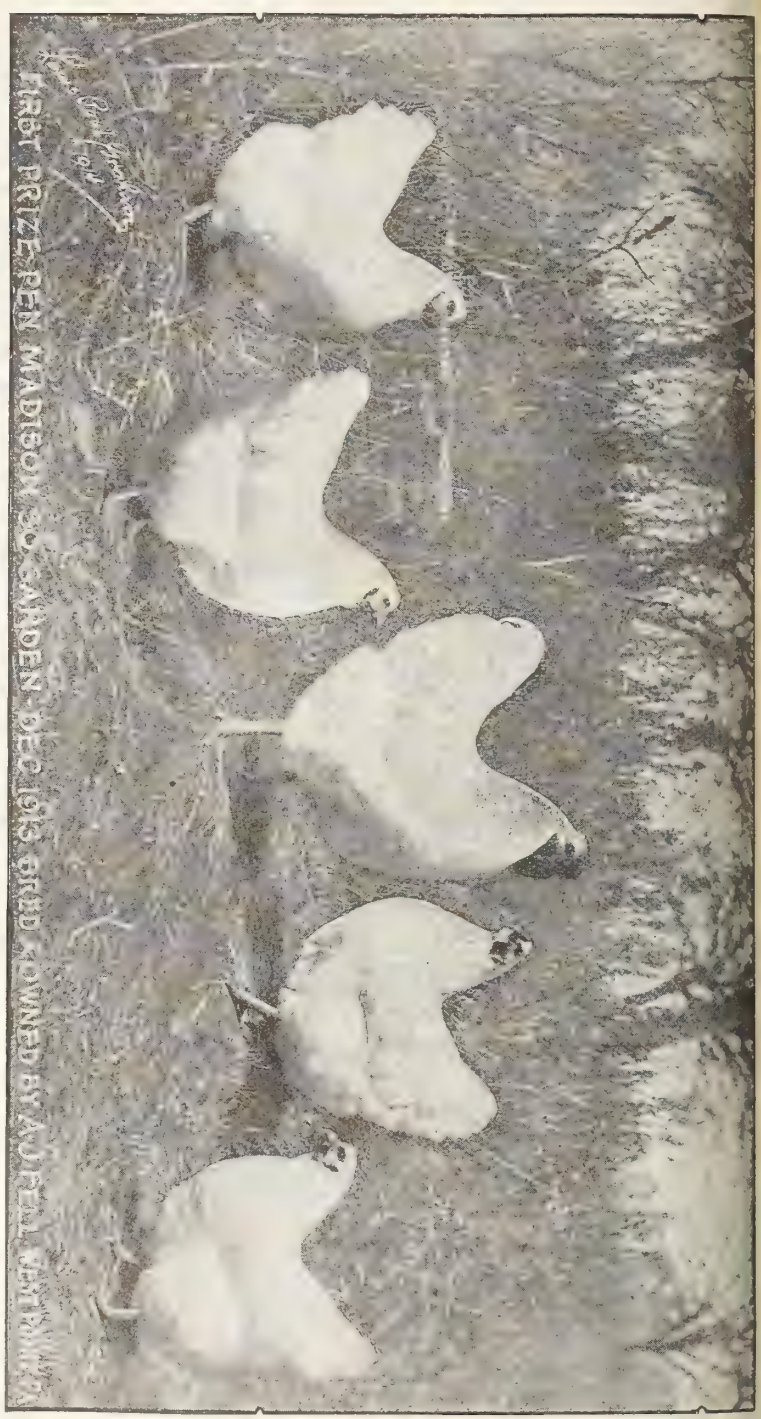
The eggs sold by this corporation are guaranteed strictly fresh when delivered to the customer, and to come from healthy hens in sanitary quarters. The dressed poultry is all that would appeal to the most expensive taste. In other words, the slogan, "Certified Eggs From Certified Farms" means something. As stated above, the value of co-operation in this venture is evidenced by growth by leaps and bounds. The directors are forced to expand the business. They need the help of other poultrymen, and can offer something great in return.

Elsewhere in this paper you will find the advertisement of the Certified Farms Co. Read it and send for the literature offered.

Organization certainly counts, especially in the poultry line. You should learn more of the advantages of dealing with this concern which buys from you, paying highest prices and sells to you, at lowest prices.

Gensemer Bros., Creston, Ohio, have some wonderful Silver and Golden Campines. I noticed some of the best hens and pullets I ever saw. These Campines will again do the honors for them at the coming Chicago show, where they made a great record last December. Do not fail to get one of their cockerels for the show or breeding pen. Gensemer Bros. have the distinction of being the only breeders of the four varieties of Sussex, viz., Red, Speckled, Light and Brown. They have some fine specimens in these wonderful utility breeds. The Reds and Speckled are on one farm and the Brown and Light on another. They are loud in the praise of Sussex as the most delicious table fowl, and the vigor and quick growth of Sussex chicks.—H. H. Coburn.

Simmons & Crittenden, Geneva, Ohio, whose Rose Comb Reds have won at Madison Square Garden and other large shows, have most forcibly illustrated their quality in the young stock raised the past season, which is the best they ever had. The old breeds are coming very dark, rich red and they have some wonderful hens and cock birds. They have cockerels and pullets that can win in any show room, so if you want birds of the best quality, write for prices. They are prepared to furnish first class breeders in large and small numbers. One or more of the grand cock birds used by them in last season's matings will do wonders for your young stock next season, in vigor, type, size and color. They are mating the best pens ever mated and can take care of any size egg order. Write them, stating in first letter just what you want.—H. H. Coburn.



This Pen shows the great Wyandotte type and wonderful uniformity of the famous Fell White Wyandottes, it is probably the best matched and handsomest pen of the variety ever under the Blue in Madison Square Garden. Mr. Fell's consistent winnings at New York during the last five years prove the Fell White Wyandottes to be the leading First Prize Winners. Out of 20 possible First Prizes they have won 12 which is proof enough of their quality.—Louis Paul Graham.

Made from retouched photos.

An Unusual Winning.

rcoming the strongest kind of com-
on like the Boston Braves, the Pratt
Company's Experiment Station, of
delphia and Morton, has made a
sweep of every possible first and
d in the Rose Comb Black Minorca
at the big poultry show at the
stown, Md., Fair, and also won
firsts out of a possible five in Single
Black Minorcas. The winning,
is a most unusual one of itself, is
more extraordinary by the fact that
Pratt Food Company entered only
y-two birds, every one of which re-
l a winning ribbon. The classes were
large and the quality of the birds
eting against them was exceptionally
They represented the choicest se-
ns by the most noted Minorca breed-
the country. Thus, the Pratt Food
ny entry was a very small percent-
f the total number exhibited. As a
congratulations by the score are
received by the Pratt Food Com-
which is also the manufacturer of
s Poultry Regulator and Remedies
the wonderful Pratts Baby Chick
In detail the winnings were as fol-
Rose Comb Black Minorcas—cocks,
and second; hens, first and second,
rel, first; pullet first; pen, first.
e Comb Black Minorcas—cock, sec-
hen, first; cockerels, first and fifth;
s, first and fifth; pen, second. The
vinning the first in this class is the
bird which won the first and Fan-
Cup for being the best bird in the
Mediterranean class at the Allen-
Pa., Fair. The judges at both fairs
d her as an almost perfect specimen
e Single Comb Black Minorca. In
White Rock class, the Pratt Food Co.
ed a pen of their birds and won a
No entries in singles were made
is class.

menter's S. C. White Leghorns.

Leghorns have always been our hobby
when we see a big flock of good
we enjoy ourselves about as much
hen we go to a first class show and
way up in front near the footlights.
recently had the pleasure of visit-
Mr. Parmenter's farm at Knoxville,
nd while there we enjoyed ourselves
r above description. We handled a
er of his birds that were simply
iful and saw about three to four
red other ones that belonged in class
ague and no doubt will set a hot
at the coming shows. Mr. Parmen-
Leghorns surely set the pace last
at the Chicago Coliseum Show and
as follows:
-4-5 cock, 1-3-4 cockerel, 1-3 hen,
ld pen, 1st young pen, special for
shaped male, special for best colored
$50 silver cup for best display, run-
four times as many points as near-
ompetitor. $10 gold special for best
ay, Swiss gold watch for best ex-
and sweepstakes. Guess that's
some. They also won in the hands
s customers at many other shows.
type which runs very uniformly
ghout his flock comes as close to
lard requirements as any we believe
ave seen. Especially in head points
low tail carriage with absolute white
age is where Mr. Parmenter's birds
. We can fully recommend his
to any one wanting first class White
orns. His catalog is free and he will
ad to send it to those writing him for
Knoxville, Ill.—L. A. Stahmer.

. Ira M. Crowther, Willoughby, Ohio,
e Single Comb Reds, "Aristocrats,"
won repeatedly at Madison Square,
igo, Cleveland and other leading
s are showing still better quality in
g stock, and his cock birds and hens
noulting red. He has some birds in
asses conditioned for the early shows
can win in any company. He also
a lot of first class breeders. Try an
stocrat' Cockerel for the sake of your
year's young stock. Mr. Crowther is
ng up the best birds he ever mated
can assure his customers great qual-
Write for prices.—H. H. Coburn.

nst F. Birkholz, Willoughby, Ohio,
some of the greatest S. C. Reds this
he ever had, all range raised and
hy and happy. He has cockerels
will put the pep in any one's flock
is a medium priced man, giving great
es for the money. He has some pens
pullets that are red all over, and
red, too. He is mating up the best
e he ever mated. Write for prices on
erels.—H. H. Coburn.

Single Comb White Leghorns Exclusively

D. W. Young strain, 2500 breeders on free farm range choice cocks, cockerels and yearling hens for sale
My Book "Profits in Poultry Keeping Solved" shows where the money is. Circular Free.
EDGAR BRIGGS Box 144 PLEASANT VALLEY, N. Y.

43 VARIETIES POULTRY, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies.

Handsome catalogue containing 150 illustrations 4c.
MISSOURI SQUAB COMPANY, Dept. R, Kirkwood, Missouri

CLEMANS' COLUMBIAN ROCKS

The big boned Rock type. Winners East and West.
Stock for sale. Circulars. F. M. Clemans, Mechanicsburg, O.

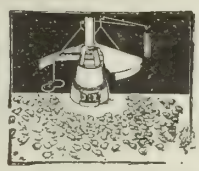
RILEY'S WHITE WYANDOTTES

(Regal Strain) are direct decendents of New York State Fair and Boston Winners and represent The Best Blood Lines in the World. Eggs and Stock. Mention American Poultry Journal.
H. J. RILEY Box A BRYAN, OHIO

Say, Friend: Have your order booked for **S. C. White Leghorn** Baby Chicks NOW and get them at the proper time—not late in the season. Remember it is the early hatched pullet that does the laying when eggs are high. All of my breeders are 1 and 2 years old which is not only essential but necessary for the production of strong, vigorous, offspring. Eggs ready for shipment Jan. 1. Eggs, $1.50-15; $2.50-30; $3.50-50; $6-100. Baby Chicks, 20c each, to 50; 15c each 50 to 100; $12-100. Write for particulars. I guarantee absolute satisfaction.
RAY S. WAMPLER TIMBERVILLE, VIRGINIA

QUALITY WHITE PLYMOUTH ROCKS

Have proven their quality again that they are the right kind to have, at the Indiana State Fair they won 2 Cock; 2 Cockerel; 2-3 young pen; 2 old pen, with U. R. Fishel and others, with over 100 White Rocks in class. Write us your wants; we are able to supply you.
F. L. DEER R. R. No. 1 FRANKLIN, IND.



Do you want to save money and raise all the Chicks?
The Ideal Colony Brooder COAL-BURNING SELF-REGULATING

With SHAKING and DUMPING GRATE Adjustable Hover Chicks always Visible
Price $19.00, including AUTOMATIC Regulator $24.00. Economical and safe. 100 per cent efficient. Large and small farms use the IDEAL with success. Vastly superior to oil burners. The Ideal FRESH AIR System gives perfect satisfaction. Many testimonials showing the wonderful results obtained during ZERO weather in the cold spring of 1914. Write for FREE booklet. Learn to brood chicks WITHOUT LOSS. Make 2 chicks grow where one only grew before.
LIBERTY STOVE COMPANY Dept. A, 114 Second Street PHILADELPHIA, PA.

Agents Wanted



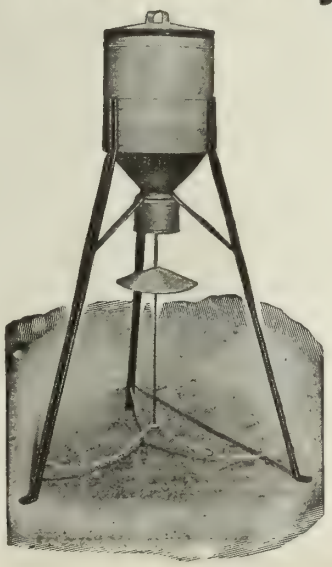
2000 Head Pure Bred Fowls

$200.00 IN Cash Prizes

WILL BE DIVIDED AMONG OUR WORKERS

You can earn a single bird, pair or pen of fowls, almost any variety within a few hours' time, securing subscriptions to **POULTRY POST.** Cash is given entirely in addition and divided in **SIX SPECIAL PRIZES.** Here's an opportunity you cannot afford to miss. All interested in poultry will subscribe. **POULTRY POST** is recognized as the best 25 cent poultry journal. Many Agents earn several pens of fowls and a share in the cash prizes working at odd times. **You can do equally as well.** Write for our liberal proposition. **POULTRY POST,** D30, **GOSHEN, IND.**

The Economy Exerciser & Feeder



Is different in construction and operation from all others. It has no bait cup.

The fowls get the grain by scratching which gives them exercise in the natural way, and the grain distributor has very accurate adjustment, so that you can make them work just as long and just as hard as you wish for their feed. The Economy Exerciser and Feeder is all metal and perfectly weather-proof, rat-proof and sparrow-proof. It is equally good for old and young chickens and used either with litter of any kind or on the bare ground or floor.

Chickens can operate it as soon as they are large enough to eat wheat or cracked corn, and fowls of any age soon learn that scratching around the chains brings down the "eats." Made in two sizes:

No. 1, capacity one-half bushel...$2.50
Shipping weight 30 pounds

No. 2, capacity one bushel $3.00
Shipping weight 40 pounds

Manufactured by
The Oakes Manufacturing Company, Dept. B
Factory and Home Office . . . . Tipton, Indiana
Eastern Branch . . . . . 64 Cliff St., New York
Canadian Branch . . . . . Toronto, Ont., Canada
Send for the complete Oakes catalogue of Incubator, Brooder and Poultry Yard Supplies

S. C. ORPINGTONS BUFF

Correct in type and color. They lay and they win wherever they go. Let me help you. Satisfaction guaranteed.
ROSELAND POULTRY FARM Chas. W. Switzer, Prop. SOUTH EUCLID, OHIO

EVERGOLD BUFF WYANDOTTES

WE ARE NOT THE LARGEST ADVERTISERS OF Buff Wyandottes, but we do claim to give the Largest values to every customer. Drop us a line for prices. Elegant illustrated catalog giving our methods of feeding and breeding Buff Wyandottes, only 20c. Price List and Mating List free.

ROCKY RUN FARMS, Box 50, NORTHFIELD, OHIO
W. G. Marshall, Owner Gerald Williams, Mgr. Poultry Dept.

Skinner's Standard White Wyandottes

Mr. F. E. Skinner, Sandwich, Illinois

had on exhibition at the Poultry Department, Illinois State Fair, 1914, two White Wyandotte hens. His entries, were lost in the mail, therefore when the judging was done his birds were not considered. We, the undersigned Judges would place them 1 and 4 hens if they had been in competition. A. L. McCord, Supt. Dept., Theo. Hewes, J. C. Johnston.

Also Blue Ribbon winners at Chicago, Indianapolis, and St. Louis. Catalog sent upon request. F. E. Skinner, Box A, Sandwich, Ill.

S. C. WHITE ORPINGTONS

At Nashville Fair, 1914, we won five firsts and at Memphis Tri-State Fair won: 1st, 2d and 4th hen; 2d and 3d cock; 1st cockerel, 1st and 2d pullet; 1st and 2d pen; 3d sweepstakes $15.00; best display in English class; cup and champion female. We have a grand lot of young stock for sale, (bred from our winners) ready for the early shows. Prices reasonable. Satisfaction guaranteed or money refunded. Catalogue for the asking.

PARK POULTRY YARDS Mrs. Reginald Stonestreet GLENDALE, NASHVILLE, TENN.

Allentown Winning Barred Rocks

My Birds Won a Sweeping Victory

At this Great Show, Cock 1-2; Hen 1-3; Cockerel 1-2; Pullet 1-2; Pen 1-4. They are the up-to-date kind and have won for years at Philadelphia, Hagerstown, Etc. A few breeders and a select lot of youngsters for sale. To make room am selling at bargain figures some classy young stock.

C. Guy Myers :-: Siddonsburg, Pa.

We Have No Pullets

In answer to the many inquiries recently received, would say that our surplus pullets have all been disposed of. We find, however, that a small surplus of cockerels still remains—a few grand birds originally intended to head our own pens. Limited space forces us to sacrifice these birds at once to the quick buyer at from $2 up—one-fifth their actual value. Remember, for egg production, we carry the world's greatest strain of

S. C. White Leghorns

WRITE US YOUR WANTS

Hough Egg Farm, Box J, Far Hills, New Jersey

SPECIAL SALE

WHITE PLYMOUTH ROCKS
BARRED PLYMOUTH ROCKS
S. C. BUFF ORPINGTONS
S. C. WHITE ORPINGTONS
WHITE WYANDOTTES
S. C. WHITE LEGHORNS
S. C. R. ISLAND REDS
R. C. R. ISLAND REDS



Examine Birds Before You Pay for Them

So sure are we of pleasing you with the high quality of our stock, we are perfectly willing to send any shipment to you C. O. D. subject to your inspection before you pay for them. Our records show by this method that fully 99 per cent of our shipments are accepted. We challenge any breeder to show as good a record. We sell birds on their merits and we will sell to you if you give us a chance. Our Special Sale Circular tells about 2,000 birds we offer for sale and includes cocks, cockerels, hens, pullets, pens, trios and single birds, just as you wish them. We can furnish exhibition birds for any show or good utility breeding birds. Send today for a copy of our Sale Circular giving you reduced prices on every bird we offer.

Goshen Poultry Farms, R. F. D. No. 7, Goshen, Indiana

The Duplex System.

Breeders everywhere are awakening to the wonderful possibilities of Colony Brooding. Thousands of them have adopted this system only to be surprised with results. Not only did they find that larger and better chicks could be raised but they also found that this system saved them three-quarters of their time and reduced the expense for fuel.

These factors in themselves are enough to make it worth while for all breeders to adopt Colony Brooding, but there are numerous other things which makes it a wonderful factor in the success or failure of the business. Not the least of these is the broiler possibilities. With a Duplex Stove and Ventilator installed, it is an easy matter to raise broilers. In fact one thousand broilers can be produced with less labor around one of these stoves than is possible in any other way. It positively is less work to care for 1,000 chicks around a Duplex in December and January than it is to care for 200 in any other way even during the Summer months. This makes Winter Broilers in profitable numbers an attractive possibility for all poultrymen.

The Duplex Colony Brooder Co. has prepared a little booklet which they will gladly send you with their catalog which will give you all the information you may desire regarding this splendid system of brooding. This is their second year season and prospects are for more orders than they can handle, so we advise our readers to write for their literature at once so as to be able to get their orders in early. Mention this paper and address the Duplex Colony Brooder Co., Box 614, Rockford, Ill., and you will get literature which will mean the difference between success and failure on your farm. It will surely increase your profits and reduce your labor.

The Old Forge Poultry Farm.

We have made our second visit to the Old Forge Poultry Farms, Spring Grove, Pa., and trust the future will have several more such trips in store for us. This visit was particularly interesting for it offered us the opportunity to note conditions and the improvements made which were most pleasing.

This line of Buff Orpingtons has been greatly improved. They were a very choice and select lot last year and the year before and they are better today, in type, color and size, the uniformity is especially worthy of comment.

This season Mr. Glatfelter has entered the show ring early exhibiting his birds at Cleveland, New York State Fair, Allentown, Pa., Tri-State Fair, Trenton, Hanover and Lancaster, where he made a record unequalled for this variety by winning 20 first prizes, 18 seconds, 11 thirds, 5 fourths, 5 fifths and 9 specials on a total of 63 entries and winning all ribbons possible but four. For practical value also this line has made a record at the North American Egg Laying Contest, his birds have led the class from the start and are now leading the division by over 100 eggs.

This year's breeding has been most successful, the young show exceptional values and Mr. Glatfelter is offering a fine lot of breeders and exhibition birds for sale. Write him your wants.—H. P. Schwab.

Winter Laying Hens.

Did you ever stop to think that perhaps hens stopped laying in the winter because they didn't get the kind of food they liked? Hens aren't really happy if they aren't properly fed.

If you want your hens to lay plentifully this winter when eggs are 50 cents or more per dozen, it is up to you to provide them with egg making food. Hens need grain all year round, but they can't do good work on grain alone. A certain amount of animal protein is also needed.

Most hens are happier in the summer than in the winter. Their chief cause for joy is in the abundance of bugs and worms they find during the warm weather. You know yourself how pleased a hen is when she finds a nice plump worm or beetle.

Animal protein is found in all the bugs and worms the hens eat in summertime, and animal protein is the best egg builder known.

The cheapest, best, winter protein food for bone is cut green bone. You can get green bones from your butcher for next to nothing. Cut the bone in a Mann bone cutter and you will have a food that

rsuade most any hen to lay in
ne coldest weather. Hens fed on
cut bone are happy, profit-paying

inn Bone Cutter equipped with the
tic adjustable feed that is found
other machine, always cuts the
ne and even. No splinters of bone
ps of gristle are left in bone cut
splendid machine. And the Mann
easy cutter to use. It is sturdy
iable.
cost will be more than paid by the
ed profits from the extra eggs your
vill lay. Hens fed on Mann cut
ay their winter board bill and a
o you besides.

F. B. Keifer.

recent visit to Marshall, Ill., we
e pleasure of visiting the Poultry
wned and operated by F. B. Kei-
that city. Mr. Keifer has just
sed five acres in the western part
city, on the old national road.
he is fitting up with all the latest
equipments, and which when
ted, will be one the most com-
lants in the state. Mr. Keifer em-
in the White Wyandotte busi-
1896, and has bred them continu-
since that time. He is a careful
of the Wyandottes and his yards
ted to produce quality, the result is
is birds have won in the leading
of the country. At the Illinois
Fair, 1913, the largest show ever
in the state, they took 4 first, 2
1 third, 2 fourth and 2 fifth premi-
At the Chicago Show, January,
hey won 1st and 3rd cock, 1st
el, 4th pullet, 2nd pen and the
cup for the best display winning
n more points than any other
or.

Mr. Keifer needs no recommendation and his White Wyandottes speak for themselves.—J. C. Johnston.

The Home of Perfections.

A visit to Rudy Farm, the home of Perfection White Wyandottes, will prove interesting and instructive to poultry breeders. This farm consists of 300 acres located near Mattoon in the heart of the best land in the state over which the Perfection White Wyandottes have free range which accounts for the vigor for which they are noted. Mr. Rudy has recently enlarged his poultry buildings by adding a long laying house 100 feet in length and 10 new colony houses. He has also installed a high pressure water system to supply fresh water from deep wells to all parts of the farm and the buildings are all equipped with electric light and power, making it one of the most modern and completely equipped farms in the state. Besides his poultry business, Mr. Rudy has a herd of Holstein cows and supplies the large dealers, as well as the retail trade of the city of Mattoon, with milk from his dairy.

Interested fanciers who find it impossible to visit his farm will be given an opportunity to see Perfection White Wyandottes in all their glory at the Mid-West Chicago Show in December. Mr. Rudy will display his birds at this show, which display will consist of about 30 pens of White Wyandottes in which will be placed over 200 Exhibition and Utility Birds of uniform type and color.

Mr. Rudy's success in obtaining the uniform type of birds is due to careful line breeding which he has been carrying on for several generations. He delights in selecting and mating breeders and often pays personal visits to his customers and assists them in mating their pens, thereby assuring good results in their young stock, as proper mating is the secret of reproducing true to type. If you are interested in White Wyandottes that are true to type and birds that will mature early, be sure and visit Mr. Rudy's display at the Chicago Show, or write for his complete catalog to the following address: Geo. H. Rudy, Box A, Mattoon, Ill.

M. C. DeLoof, Willoughby, Ohio, breeder and exhibitor of R. C. Reds of the best quality is in fine shape to supply top notch show birds and first class breeders. The DeLoof R. C. Reds are grand in type and head points and are rich dark red. He has a lot of especially fine cockerels, large bone, long back and the color that Rhode Island Red breeders strive to get. Write for prices on show birds, breeders and utility stock.—H. H. Coburn.

Animal food is absolutely essential to hens during cold weather. Right now, when they are deprived of beetles, bugs, worms, etc., we must see that the hen is given some good substitute.

There is no better food than fresh ground bone to produce a plentiful supply of eggs. And surely there is no food as cheap as bone. Think of the bones that we throw from our dinner tables. You can buy enough bone for 5 cents to feed from 15 to 20 hens.

One of the finest bone cutters that has ever come to our notice is the Humphrey—made by Humphrey & Sons of White Street Factory, Joliet, Ill This firm also publishes a mighty interesting book called "The Golden Egg." Our readers are urged to write to this concern for their booklet, for it contains much information on the care of poultry and gives many valuable pointers on egg production.

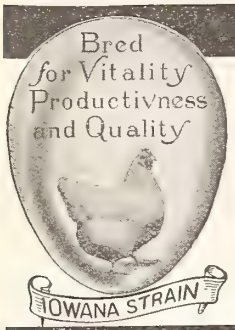


FIRST PRIZE COCK FIRST PRIZE HEN
WHITE WYANDOTTE WINNERS AT NEW YORK STATE FAIR SEPTEMBER 1914.
BRED AND OWNED BY JOHN S. MARTIN PORT DOVER ONT.

o produce winners year after year in any variety of poultry one must know the blood lines of his stock and have an intimate dge of the dominant and recessive qualities and characteristics of his breed or variety. We have observed the repeated winnings n S. Martin's Regal Strain of White Wyandottes at New York State Fair for eight or ten years past, where they have swept cks of practically all first honors each year. To be able to produce winning Wyandottes in this manner is no small matter. We that Mr. Martin has established one of the greatest strains of pure bred poultry in existence, which could only be accomplished eful scientific breeding and selection. Regal White Wyandottes have won for Mr. Martin and his patrons wherever they were and no doubt will continue to do so under the guidance and breeding operations practiced by Mr. Martin, which has brought so much glory and public favor.—A. O. Schilling. *Made from retouched photos.*

Right now read page 1412—its good

Iowana White Orpingtons.



Four Firsts at Iowa State Fair 1914

Cocks, Cockerels, Hens, Pullets, Pens

Birds of Breeding, Exhibition and Utility Qualities

Our Customers are Winning
Why Not You?

IOWANA FARMS POULTRY DEPARTMENT.
HARRY W. ATKINS. Supt. BOX S DAVENPORT, IOWA

This advertisment appeared in the Country Gentleman recently.

FOR SALE—30 Charles A. Cyphers No. 4 Model Incubators, good condition. Selling on account of installing Mammoth machine. $20.00 for one, $15.00 each for two or more.
SETON POULTRY FARMS, Princeton, N. J.

Don't Make this Mistake

Many poultrymen are in the same position as this small advertiser. He has found that separate machines are unhandy and unprofitable.

By starting with the Schwalge System of Sectional Incubators you will avoid such troubles.

The Schwalge System

has all the advantages of the individual as well as all the advantages of the Mammoth Incubator. 150 to 5,000 egg capacity.

Send for our NEW CATALOG

It shows how our Sectional Incubators fit your pocketbook now. A Mammoth Incubator at the price of a single machine.

If explains the greatest source of profit on the poultry business.

45,000 eggs hatched in one of these machines in one plant last year. Send for testimonials from actual users.

SCHWALGE BROS. & SMITH

Box 200 **Elmhurst, Illinois**



INTERNATIONAL EGG LAYING CONTEST.

Report for the Month of October, 1914.

THE third laying competition which ended Oct. 31 proved to be by far the closest hen race ever held at Storrs. The three leading pens, namely Lincoln's Leghorns, Barron's Wyandottes, and the Storrs Station's sour milk pen of Leghorns all finished within five eggs of each other. The three pens taken together laid a total of considerably more than 6,000 eggs. Thus no one of the three pens was able to lay quite a quarter of one per cent more eggs than either of the other two.

The total production for the year for all pens, 820 hens, amounted to 117,902, which is an average of nearly 144 eggs for every individual that participated in the contest. The fact that some hens are better than other hens was most strikingly brought out in this contest. For instance, the average yield of the poorest competing pen of Leghorns was only a little more than 115 eggs per hen, whereas the average yield of the best pen of Leghorns was nearly 209 eggs per hen. If one compares the experimental pens it is found that the poorest pen of Leghorns yielded 55 eggs each, whereas the best pen yielded a little more than 208 eggs each, thus one is obliged to conclude that some hens are far superior to certain other hens, even though they are the same breed or variety.

Connecticut won first place for best individual work. A White Wyandotte owned by Merrythought Farm of Columbia, Conn., produced 265 eggs during the year. Massachusetts supplied the second best individual in a Buff Wyandotte owned by Dr. N. W. Sanborn of Holden, that laid 246 eggs, and the third best individual for the year proved to be a White Wyandotte owned by Neale Bros. of Apponaug, R. I. Thus it happens that three adjacent New England states have supplied the three best pens in a laying contest which included more than 800 hens from two countries and fifteen different states.

The three pens that finished strongest all laid within one egg of each other during the month of October. A Massachusetts pen of Buff Wyandottes won the blue ribbon for the month with a production of 129 eggs. A Connecticut pen of Rhode Island Reds won second prize for the month with 128 and an English pen of Leghorns came third with a yield of 127 eggs.

The Connecticut State Poultry Association offered a special cash prize of $50.00 to be awarded as follows: $25.00 for first, $15.00 for second and $10.00 for third best pen in the contest owned by members of the Association. Francis F. Lincoln of Mt. Carmel, won the $25.00 prize with his pen of Leghorns. Merrythought Farm of Columbia, won the $15.00 prize with pen of White Wyandottes, and A. B. Brundage of Danbury, president of the Association, won the $10.00 prize with his pen of Rhode Island Reds.

The Experimental Pens in the contest including as they did, five pens of White Leghorns and five pens of White Rocks, finished about as they have been going for the greater part of the year. The pens in both groups from which both green food and beef scrap had been withheld made the poorest yield.

New Styles of Cyphers Company Incubators for 1915.

—

I with are shown photographic illustra- of two new styles of popular priced ng machines that have been placed on rket by the well-known Cyphers Incu- Company of Buffalo, N. Y., for the sea- 1914-1915.

new Superior Incubators, as built uaranteed by the Cyphers Company, pper-tank hot-water machines. They ade in two sizes, holding 65 eggs and ggs. The new Columbias are hot-air

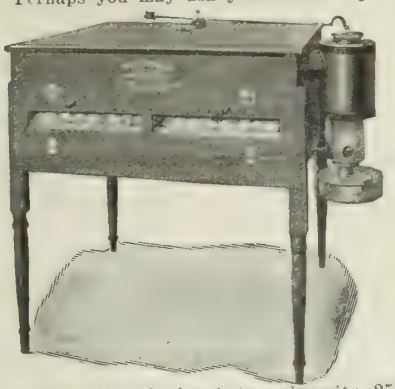


ior Hot-Water Incubator, Capacity 130 Eggs, Manufactured by Cyphers Incubator Company.

tors, also two in number. They hold nd 250 hen eggs and are to be sold markably low prices.

Cyphers Company's complete 200- catalogue for 1915, entitled "The Profits in Poultry Keeping," tells all about these new popular priced Cyphers machines. Write for a free copy today, mentioning this journal, and also ask for separate free circular showing the new Superior and Columbia Incubators in their natural colors.

Perhaps you may ask yourself this ques-



Columbia Hot-Air Incubator, Capacity 250 Eggs, Manufactured by Cyphers Incubator Company.

tion: "Why should the Cyphers Company build these new low-priced hatching machines and sell them in competition with their world-famous Cyphers Incubators?" Three answers are offered in this limited space, as follows:

First, there undoubtedly are many persons who do not feel that they can afford to pay the prices charged for the Cyphers. They need an incubator and want in every respect as good a "hatcher" as they can get anywhere for the money they can spare to put into it. To meet this demand the Cyphers Company offers the two Columbia hot-air machines, one of which is illustrated herewith.

Second, no doubt there are many prospective buyers of incubators who still believe that hot-water is a better or safer "heating element" for an incubator than hot-air. The two Superior Incubators, as manufactured by Cyphers Incubator Company, are offered to this trade and they are guaranteed to do satisfactory work in every case when operated according to directions.

Third, the manufacture of these two new styles of popular-priced incubators is in full accord with the business aim of the Cyphers Company, which is this, as stated by its president: "To manufacture for the poultry public whatever it wants and needs, provided the article, whether it is a leg-band or a mammoth incubator, has practical value and will give genuine satisfaction."

Write today for the 1915 catalogue above mentioned, also for the color-plate circular, addressing CYPHERS INCUBATOR COMPANY at its place of business nearest you, as follows: Home Offices, Buffalo, N. Y.; New York City, N. Y., 41 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Court; Kansas City, Mo., 317-319 Southwest Boulevard; Oakland, Cal., 2127-2131 Broadway; Dallas, Texas, 316-318 N. Preston St.; London, England, 121-123 Finsbury Pavement.



White Leghorns—YESTERLAID Strain. Pullets lay at 4½ months. Bought by 20 Experiment Stations. All stud males grand-dam record of more than 440 eggs in 2 years. Prices very reasonable. Our methods bring success. Details free. YESTERLAID EGG FARMS CO., Dept. 5, PACIFIC, MISSOURI.

BUFF ORPINGTONS

All prize winners. I offer for sale the following prize winners: 1st cockerel, 1st pen hens, 3d hen, 3d pullet Cleveland, Jan. 1914, 2d pullet, 2d pen pullet, 4th cockerel Cleveland, Dec. 1913. 1st hen, 1st and 4th pullet Canton, Jan. 1914. 1st and 3d pullet Randall, 1913. 1st hen Meadville, 1914, at prices below their value. Also 40 cockerels and 80 pullets—every one bred from premium winning birds on both sides.

A. C. WILLIAMS RAVENNA, OHIO



ORPINGTONS

SINGLE COMB BUFF

Exhibition and Breeding Birds in large numbers; plenty of good, big, husky cockerels and pullets left, many over standard weight, broad, low down and blocky, nearly all one could desire with one nice even shade of buff throughout. Do you need hens or pullets to complete your exhibit for some show? If so, write me fully. State where you want to exhibit and give me an idea of the price you wish to pay. I guarantee every bird to give satisfaction. I also have plenty of breeders left at low prices.

SINGLE COMB WHITES

The best selection I ever had. Plenty of pullets, hens and cockerels left; many up to standard weight, large frames, deep, full breasted, broad and blocky, short legs, good color; just right for exhibition purposes. Many breeders offered this month at low prices. If you need an exhibition bird write me fully. Time is getting late. Describe what you want, state the show you expect to exhibit at and an idea of the price and I will tell you what I can do for you. Every bird goes subject to approval. Your money back if birds are not satisfactory if returned within 48 hours. I have quality. You take no chance. Write me today.



One of our Whites

VILL H. SCHADT BOX B GOSHEN, INDIANA

CORNING EGG FARM

Breeders of The Strain of S.C. White Leghorns "which cannot be surpassed."

Eggs for Hatching We have sold every bird that can be spared this season. Last season we sold more eggs for hatching than ever before, not withstanding increased facilities and

Were forced to decline orders for over 100,000 hatching eggs.

Breeding pens have again been increased for the coming season. Every hen has passed her first moult—we never mate twelve months old pullets. If you desire to raise the best and most profitable birds, you should place your order now for hatching eggs. Send for free pamphlet full of fine half tones of the farm.

Corning Egg Farm, Inc. **Bound Brook, New Jersey**

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BEFORE BUYING ANYWHERE get our large illustrated catalogue of the best strain in America. Sunny Slope Ancona Farms, Bedford, O. 12-2

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ANCONAS. SEVERAL CHOICE yearling hens at $2.50 and $3.00 each; also several high-class cockerels ranging in price from $2.00 to $10.00. These are all by a first prize winner at Chicago, and of the finest blood lines and strictly as represented. Dr. J. H. Foquet, Oil City, Pa. 12-2

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FOR THE GREATEST EGG producers try Mayhew's Ancona Yards, the world's best stock. J. E. Mayhew, Afton, N. Y. 11-8

KING OAK ANCONAS won four firsts this fall at Brockton, three firsts last winter at Boston. A splendid Single or Rose Comb cockerel for $5.00. Utility pullets, $2.00 each. Lewis E. Strang, East Weymouth, Mass. 11-1

ANCONAS—FANCY SHOW birds for any show. Mark Lewis, Alma Center, Wis. 11-1

FOR SALE—SINGLE COMB ANCONAS. Some grand breeding stock, in cocks, cockerels, pullets and hens. Quality and prices right. Geo. C. Schwegman, Richmond, Indiana. 11-1

ANCONAS, BOTH COMBS. Young stock ready. Write Wm. S. Rathbun, S Kingsbury, Jamestown, N. Y. 10-12

BIEHLER'S SINGLE COMB ANCONAS. Stock for sale, young and old, at $1.50. Great winter layers. J. A. Biehler, Strasburg, Ill. 9-1

MEYER ANCONA FARM, CANTON, O. Our stock bred specially for heavy layers and winning clean sweeps wherever exhibited proves our quality. Breeding stock. 2-14-tf

GRIMM'S CELEBRATED Anconas, winners of first prizes at leading shows, including the recent ones at Kansas City and St. Louis. Quality high. Prices low. Booklet free. Eggs, $1.50 to $5.00 per 15. Every egg guaranteed fertile. Fred Grimm, Webster Groves, Mo. 1-14-1yr

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ANDALUSIANS.

TAYLOR'S ANDALUSIANS have been bred by him for years and have a fixed type; winners Chicago, Cleveland, Pittsburgh, Columbus. Stock. Eggs, $3.00 per 12; $5.00 per 24. Express paid. L. A. Taylor, Gibsonburg, O. 12-2

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BLUE ANDALUSIANS. Several choice blue cockerels ranging from $2.00 to $10.00. These birds are of the finest blood lines and strong and vigorous. Dr. J. H. Foquet, Oil City, Pa. 12-2

BLUE ANDALUSIAN cockerels, large, farm raised and beauties. A few cocks, hens and pullets. Sure to please. F. L. Garnett, Nottingham, Ohio. 12-2

ROSE COMB BLUE ANDALUSIANS. John Hacker, Box C, Marissa, Ill. 11-1

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WORLD'S FINEST BANTAMS—Forty varieties; shipped on approval. Catalogue 2c. F. C. Wilbert, Grand Rapids, Mich. 12-2

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WHITE JAPANESE Silkies. Stock for sale; better than ever. G. W. Kinter, Route 1, Dillsburg, Pa. 11-1

BARGAINS! JAPANESE BANTAMS; Black Tails, Whites, Blacks, White Booted, Black Rose Combs, Polish, Golden and Silver Sebrights. Satisfaction guaranteed. Hez Kinter, Dillsburg, Pa. 11-1

BEAUTIFUL BANTAMS. Black-tailed white Japanese. Elegant pets. Prolific layers. Ready for exhibition. Miss Alice Andrus, Wellington, Ohio. 10-12

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THE BEST IN WHITE Japanese and Black Rose Comb Bantams. Winners at New York and Boston. Grand show birds and breeders for sale. Also Buff Cochin Bantams, $5 per pair. C. F. Davey, Vineyard Haven, Mass. 10-12

WHITE COCHIN BANTAMS. Scoring 96¼. Winners Chicago, Pittsburgh, Philadelphia, Indianapolis, Buffalo, St. Louis, Kansas City, Cleveland, etc. Satisfaction guaranteed. Catalogue. I. R. Mankel, Upper Sandusky, Ohio. 8-12

LIGHT BRAHMA BANTAMS—Finest flock in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C, Dougalston, Long Island. 1-14-1yr

BANTAM SPECIALIST. Buff, Black, Partridge Cochins, Light and Dark Brahmas. I ship on approval. Circular free. Geo. C. Salmon, Port Dickinson, N. Y. 1-14-tf

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LIGHT BRAHMAS EXCLUSIVELY. We have some nice young birds for sale; price, $3.00, $5.00, $8.00 and $10.00; eggs in season. C. E. Beatty, Angola, Ind. 12-2

LARGE LIGHT BRAHMAS, pullets and cockerels. Nintzel Bros., Oshkosh, Wis. 12-1

OUR MAMMOTH Light Brahmas win everywhere; 200 cups and ribbons. Write George Layman, Greenville, Ill. 12

DARK BRAHMAS. Forty years breeding. Prize winning strain. At state fair, five firsts, four seconds. Young stock and some this year's breeders for sale. Dr. S. Lott, Bellona, N. Y. 11-1

LIGHT BRAHMA COCKERELS, $5.00; pullets, $4.00; trios, $12.00; pens, $20.00 and up. Nothing cheaper. From my winners at New York and other leading eastern shows. Harvey C. Wood, 227 River Road, Bound Brook, N. J. 11-1

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BUTTERCUPS, ALVINIAN STRAIN, from the 309-egg Alvina; cockerels, $4.00; trios, $7.00. Sahler & Sons, Harlingen, N. J. 12-2

WILLIAMS' BUTTERCUPS Won silver cup, best display at Cleveland show 1913. Cockerels for sale from second pen birds. Best blood lines. E. H. Williams, Berea, O. 12-2

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BUTTERCUPS—STOCK shipped on approval. (Rev.) E. H. Keator, Franklin Park, N. J. 11-1

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BUCKEYE STOCK AND EGGS from blue ribbon winners. Catalogue free. Lindley Place, Meshoppen, Pa. 5-13-tf

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A FEW PENS of Silver Campines; well bred; state prices. W. E. Armstrong, Box 827, Houston, Tex. 12

FOR SALE—GOLDEN Campines, cocks, cockerels, hens and pullets, Kennedy strain. Reasonable. Herman Tangeman, New Bremen, Ohio. 12-2

SILVER CAMPINES. Yearling males and females from $3.00. Frank Leslie, Niagara Falls, Ont., Can. 12-2

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MRS. CARVER'S GOLDEN CAMPINES now leading strain in America, winning first pen Chicago, first pen Hagerstown, first pen great Forest City fair, Cleveland. Also ten firsts (every first) at my first two shows this season. Do not fail to write for my prices on stock and eggs before buying. My foundation, the Great Empress, and imported male direct from Rev. E. Lewis Jones. Mrs. Carver, Carver's Red Farms, Seville, O. 11-14-1yr

CAMPINE COCKERELS ON APPROVAL. Choice birds, $2.00, $5.00, $10.00. Sturtevant Poultry Co., Delavan, Wis. 12-1

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THE VIGOROUS STRAIN of Silver Campines. If you want health and vigor in your birds, buy from the Homestead Campine Farm, Wayland, Mass. Winners at Boston and New York State Fair, 1914. Excellent exhibition and utility stock. See display ad. Box A-2. 11-1

1914 WINNINGS—16 firsts, 2 seconds, 1 third, 1 fourth, 5 specials. New York State Fair, Syracuse—1st display Silver Campines, 2d display Golden Campines, 1st display white eggs. Trenton, N. J., Interstate Fair—1st display Silver Campines, 1st display Golden Campines, 1st display white eggs. Hundreds of grand breeding and exhibition birds for sale. The Martling Henery, P. O. Box 186 N., Ridgefield, N. J. 2-14-1yr

M. BAYERDORFFER, Oakwood Heights, N. Y. Silver Campines exclusively. My Campines are marvelous layers of larger than the average size white eggs; 300 typical, grandly barred, white hackled birds for sale. Prices right. 11-1

KENNEDY STRAIN Silver Campine Cockerels for sale, $2.00 each. H. M. Powers, La Grange, Ohio. 11-1

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BEST DISPLAY CHICAGO three consecutive years, also winners at all leading American shows. Choice bred cockerels, $5.00 up. Show specimens now ready. Dr. Munn, Hampshire, Ill. 11-1

LET E. W. CARD, Oneonta, N. Y., give you prices on 1914 Bargains of his Dark Cornish of Quality, the greatest breed for utility. 10-12

200 DARK CORNISH. Hardy, Northern raised, as good as they grow, $1.00 to $5.00 each. Waltham Poultry Yards, Waltham, Minn. 10-12

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AMERICAN DOMINIQUE cockerels, forty at $2.00 each; three, $5.00. Dr. Harwood, Malone, N. Y. 11-1

FARM RAISED. BRED from winners. Stock, Eggs. C. W. Besse, Jefferson, Maine. 10-4

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GAME FOWLS, gaffs, game books, etc. Catalogue free. H. P. Clarke, Mansure Bldg., Indianapolis, Ind. 12-2

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SILVER SPANGLED HAMBURGS, specialty for thirty-two years. If in the market for good stock, correspond with S. S. Rich, Horicon, Wis. 11-1

SILVER SPANGLED HAMBURGS, old reliable breeder (twelve years); winner dozen big shows; extra fine show cockerels, pullets, hens, for sale. Guaranteed satisfactory. Circular free. Charley Laughlin, Bloomfield, Ind. 11-1

SILVER SPANGLED AND BLACK HAMBURGS, "Black Diamond" strain. Highest honors at Madison Square and other leading shows. A trio we sold in 1913 won 1st cock, 2nd hen at the Palace show and 1st cock, 1st and 2nd hens at Madison Square. Eggs, $3.00, $5.00 and $10.00. Will L. Clark, Pres. Am. S. S. Hamburg Club, Sullivan, O. 2-tf

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HOUDANS AS THEY should be. Have removed from Ridgway, Pa., to Silver Spring, Md. Winners of the blue Pittsburgh, Williamsport, Buffalo and Allentown. Superfine cockerels. Dr. H. E. Dunne, Silver Spring, Md. 12-2

HOUDAN COCKERELS, $2.00 and $3.00 each. Henry D. Barto, Manlius, N. Y. 12-2

SPLENDID HOUDANS. Cockerels and pullets. Show and utility stock. Write your wants. P. Siljje, 933 Prince St., Grand Rapids, Mich. 12

HOUDANS, MASSIVE, DARK, large crested cockerels and trios bred direct from Boston and New York winners. Eggs. Satisfaction guaranteed. Bump & Donnan, Cambridge, N. Y. 12-2

HOUDANS, HIGH CLASS cockerels and hens, $3.00 to $10.00 each. Every bird in our breeding yard is a winner. Foxcroft Houdan Yards, Oil City, Pa. 11-1

HOUDANS. Proprietor all Peterson's. Also book, 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 11-13-tf

HOUDANS. EGGS AND STOCK. Boston winners. Stamp. Reply. S. L. Morse, Harrison, Me. 5-13-tf

LANGSHANS.

BLACK LANGSHANS, 265-egg strain, exhibition and utility. Lorenz & Co., Perryville, Mo. 12-2

WHITE LANGSHANS. Cockerels, hens and pullets. Ten years a breeder. Prices reasonable. C. Leitnaker, Basil, O. 12-2

BLACK LANGSHANS. Cockerels and hens, $1.50 each. Charlie Jessen, Lakefield, Minn. 12-2

BLACK LANGSHANS. Choice breeders, $2.00 each. Hens, pullets, cockerels. Miller Poultry Farm, Box T, Lancaster, Mo. 12-2

EXHIBITION BLACK LANGSHAN pullets from the noted "Princess Jetta" strain of "national winners" for any show at moderate prices. Also choice breeding females and cockerels, singly or carefully mated in trios or pens. Reference of reliability, Guilford Savings Bank. Write today. R. W. Bishop, Guilford, Conn. 12

CHOICE WHITE Langshans. J. E. Hood, Coulterville, Ill. 11-1

BIG BONED, GREENISH glossy, black-eyed, high-scoring Black Langshans, $2.50 each, guaranteed. H. Osterfoss, Hedrick, Iowa. 11-2

BLACK LANGSHAN COCKERELS, pullets and trios, $1.00 up. Exhibition and utility stock. The Knolls Poultry Farm, M. Uphoff, Schenectady, N. Y. 11-12

WHITE LANGSHANS OF QUALITY. Three hundred old and young birds for sale. Good stock. Reasonable prices. Alonzo Tyner, Greenfield, Indiana. 11-1

LAKENVELDERS.

LAKENVELDERS—PEN of show birds, $12.00. Owulands Farm, South Hammond, N. Y. 12

LAKENVELDERS, AMERICA'S best stock for sale. Hirzel Bros., Toledo, Ohio. 12

IN ORDER TO MAKE room I offer for sale about 100 of my Lakenvelders. Breeders and show birds, young and old, at very reasonable prices. August Larson, Albertville, Wis. 11-1

S. C. WHITE LEGHORNS.

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FOR SALE—200 Single Comb White Leghorn pullets, March hatched. Route 6, Box 21, Winchester, Ky. 12

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UNLISTED MINING OIL and insurance stocks bought and sold. Send for free list. Box 75, Little Rock, Ark. 1-14-1yr

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FOR SALE—Seventeen 200-egg size hot-air incubators in first-class condition. Price $8.00 each. Must sell to make room for mammoth machines. Frank Blum, New Washington, O. 12-2

FOR SALE—390-egg Cyphers incubators in good condition at a very low price for quick sales; also several other standard makes. Write for prices. Reliable Incubator Exchange, 402 Nottingham Bldg., Syracuse, N. Y. 12

EXCHANGE.

SHOTGUN, COLLIE pup, for Orpingtons or Bantams. T. Kendrick, Ottawa, Ill. 12

YOUNG PARROT AND CAGE for poultry, any breed; prefer Anconas. F. M. Bair, Lake Mills, Wis. 12

POULTRY SHOW OUTFIT. Coops, benches, decorations, street sign. One-horse wagon, incubators, bicycle, vacuum cleaner, Deming sprayer, potato planter, corn sheller, fountain stove, trap nests. Want Jersey heifer, pony, Cyphers hovers, White Rock or Leghorn males or offers. Fred Biederwolf, Monticello, Ind. 12

WILL EXCHANGE FOR Chicago equity, 220 lots clear of incumbrance abstract for each lot, in growing town in new Mexico, two railroads, 2500 people. White Sub Division Co., 1303, 542 S. Dearborn St., Chicago. 9-tf

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BOB WHITE QUAIL, Gambel's Quail, Crested Blue Quail, Pheasants, Swans, Wild Geese, Ducks, Wild Turkeys, Peafowls and all other varieties of animals and birds for sale. Complete lists, ten cents. Horne's Zoological Arena Co., Kansas City, Mo. 11-12

PATENT ATTORNEY.

MEN WITH PATENTABLE ideas write Randolph & Co., Patent Solicitors, Dept. 318, Washington, D. C. 10-14-1yr

PATENT YOUR INVENTION—it may make your fortune. Poultry devices a specialty. Booklet free. Lester L. Sargent, 716 Twelfth St., Washington, D. C. 6-14-tf

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WE WANT 10 TO 40 acres of land that lies close enough to your city to be cut into city lots. What can you offer? White Sub Division Co., 1303, 542 S. Dearborn St., Chicago. 9-tf

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FOR SALE—Thirty Hover Candee Brooding System. Excellent condition. Barton T. Fell, Trenton, N. J. 12-1

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WANTED—A USED Green Bone Cutter, Mann preferred. Sunny Side Poultry Farm, Mahomet, Ill. 12

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MODERN COMMERCIAL poultryman connected with a prominent commercial plant in executive capacity offers his services for the establishment of a proposed plant or development of an established plant. Thoroughly conversant with commercial duck production. Correspondence invited. Commercial, care A. P. J. 12

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WANTED, POSITION ON up-to-date poultry farm, five years' experience in running incubators and brooders on one of the largest poultry farms in the country; best of references given. Address E. A., American Poultry Journal, Chicago, Ill. 11-12

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MEN OF IDEAS and inventive ability should write for new lists of "Needed Inventions," "Patent Buyers," and "How to Get Your Patent and Your Money." Randolph & Co., Patent Attorneys, Dept. 319, Washington, D. C. 10-14-1yr

WANTED—WORK ON POULTRY FARM for experience without pay by young, educated man with business experience. Robt. B. Thompson, 800 East Fifty-first St., Chicago, Ill. 11-1

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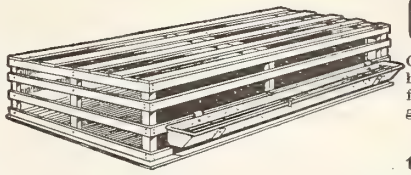
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CONTEST PENS, Pa., Conn., Mo.
Pa. Contest Winners, 236 eggs average.
Barroness V laid 282 eggs
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O. H. C. POULTRY FEEDS
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will sell cockerels and pullets from seven leading varieties during the rest of the season
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Guaranteed Lice Exterminator
HAS NO EQUAL FOR SCALY LEGS
APPLIED TWICE A YEAR
Used on Many Large Farms and Universities
Sold on its merits **Money refunded if not satisfactory**
Mr. E. B. Thompson, President of the American Poultry Association, says:
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CIRCULAR FREE **Price 50c per tube, enough for 200 birds, postpaid** AGENTS WANTED
THE LICENE CO., 1500 Pontiac Bldg., Chicago, Ill.

The Fulfillment of Our Promise

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A Square Deal

WE SELL

Hall Mammoth Incubators	6 in 1 Exercisers	Certi-Quality Scratch Feeds
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All Equipments and Supplies

The business transacted by this company during the past month shows the readiness of poultrymen to put us to the test, and the second and third orders from the same people prove that we are fulfilling our promise. We are in a better position than ever to please and serve you. Our practical experience is at your disposal.

Let us know your wants and we'll make our recommendations without a cent of cost to you. If your problem is one of birds, their care and development, write Mr. Punderford, who is the owner of Monmouth Farms, and so great an authority on this subject that he has served as Judge at the leading Poultry Shows for several years; if of the general conduction of your plant, write Mr. Fisk. He owns and operates Wilburtha Poultry Farms, one of the largest and most successful in the country today. Our Mr. Baillard will be glad to answer your questions about incubation and brooding.

Our Exhibit at the Palace Show should be very interesting, instructive and profitable to you.

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RATES for Illustrated Breeders' Cards: 40-word card, with small sized illustration (to be furnished by us), $2.50 per month for less than one year; $24 per year, payable quarterly in advance. Words in excess of forty, seven cents extra per word per month. Numbers and initials count as words. **Copy for advertisements, plainly written, should reach this office by the 15th of the month preceding date of issue.** In answering these advertisements please mention AMERICAN POULTRY JOURNAL. : : : : : : : : : : :



WHITE WYANDOTTES, Rose and Single Comb White Leghorns and Black Javas. Winners at Williamsport, McKeesport, Pittsburg, Greensburg, Beaver and Uniontown, Pa., shows. Order your eggs for hatching now. A square deal to all.
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BOCK'S WHITE WYANDOTTES—800 cocks, hens, cockerels and pullets for sale. Exclusive breeder of White Wyandottes since the year 1893. Best blood lines in America. White Wyandotte Farm, Oscar L. Bock, Prop., Council Bluffs, Ia. 4-14-1yr



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BABY CHICKS, 10 to 15c; stock, $1.50 up; eggs, $5 to $6 per 100. Reds, Orpingtons, White and Columbian Wyandottes, White Leghorns, Barred Rocks, Toulouse geese, Pekin and Runner ducks. Red turkeys. Catalog free. G. A. Mitchell, Freeport, Ill. 2-14-1yr



GOLDEN WYANDOTTES, Anconas, Silver Campines, cockerels and pullets for sale, $1.50 and up; exhibition stock at reasonable prices. Ask about our winnings during the last winter shows. Satisfaction guaranteed. The Western Reserve Poultry Farm, Warren, O. 1-14-1yr



MAMMOTH BRONZE TURKEYS of the better kind. Choice exhibition and breeding birds at reasonable prices. Also choice Barred Rocks. No better stock anywhere. Write today to Miss Sallie Cox, R. 1, New London, Mo. 4-1yr



WHITE PLYMOUTH ROCKS, White Holland Turkeys, Fawn Indian Runners. Quality absolutely guaranteed. All sales on approval. Eggs, Twelve years with first two varieties. Verne D. Stock, Stockton, Ill. 3-14-1yr



TODD SHOWS YOU White Wyandottes have demonstrated in the laying contest and the show room that there is none better; these blood lines will start you right; stock for sale. S. L. Todd, Green Forest, Ark., State Secretary National White Wyandotte Club. 3-14-1yr



MAPLE GROVE FARM breeds highest class "Ringlet" Barred Rocks. Choice cockerel or pullet-mated birds for sale, that are grand in shape, size, color and barring. Bargains in exhibition and utility stock, farm reared, vigorous. All stock sold on guarantee. Route No. 9, Decatur, Ill. 3-14-1yr



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BARRED PLYMOUTH ROCKS, pullet bred exclusively; winners wherever shown. Strong, vigorous, snappy barred. Cocks, cockerels, hens, pullets, $5.00 up. For stock at market price buy at market places. For carefully bred birds to improve your flock, write John Peterson, Box 29, Randall, Ia. 3-14-1yr



64 VARIETIES PURE-BRED chickens, ducks, geese, turkeys, guineas, bantams, guinea pigs, Belgian hares and dogs. Farm raised stock for sale at lowest prices. Satisfaction guaranteed. Write your wants. 64-page catalogue free. H. A. Souder, Box A, Sellersville, Pa. 12-14-1yr



I HAVE 200 FINE ROSE COMB Buff Leghorns for sale, the Pearce strain; well conditioned birds for any show, and guarantee a win. Consistent winners at Madison Square, Chicago, Pittsburgh, Altoona, Allentown, Williamsport. Price list. J. D. Pearce, Altoona, Pa. 12-1



POPHAM'S BARRED ROCKS ARE a fine lot of classy birds this season, showing wonderful quality. Now is the time to order your show birds. Either mating. I have quality at a reasonable price. Satisfaction guaranteed. Mrs. Chas. E. Popham, Charleston, Ill. 12-3



HILL CREST FARM White Wyandottes, winners, bred from winners will produce winners; 300 young birds from which to select your show birds and breeders. Write for prices. I can give you extra quality for your money. W. B. Meils, Streator, Ill. 10-14-1yr



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STOCK FOR SALE—Cockerels pullets, hens, trios and pens. Pure bred S. C. White Leghorns, S. C. Brown Leghorns, S. C. Black Minorcas, S. C. Black Orpingtons and White Wyandottes. Write me your wants. Sidney Cook, Nelsonville, Ohio. 11-2



THE POULTRY YARDS under the hill, Buff Leghorns, Golden Wyandottes, Bourbon Red Turkeys, Embden Geese, Blue Swedish Ducks, Indian Runner Ducks, winners at Illinois State Show, Peoria, Canton and Petersburg. Exhibition quality at bargain prices. Mrs. Elora Sonnemaker, Glasford, Ill. 11-14-1yr



BLACK ORPINGTONS—At the Illinois State Fair, 1914, my Black Orpingtons, in competition with United Farms and other leading breeders of the middle west, won 1st cockerel, 1st young pen, 3d and 4th hen, 2d, 3d and 4th pullet and 3d cock; 300 quality birds for sale. C. O. McKinney, Bethany, Ill. 11-14-1yr



KELLOGG'S PARTRIDGE AND Buff Rocks. Have been winners at Iowa and Illinois State fairs, Great Chicago, Illinois State, Rock Island, Ill., and minor shows. Some old birds, and fine lot of young ones for sale. Kellogg & Kellogg, Cambridge, Ill. 11-2



150 BRONZE TURKEYS from the 52-lb. Blue Ribbon strain at $3.00 to $5.00 each. Also Toulouse Geese, Pearl Guineas, Brown and White Leghorns, Buff Orpingtons and Single Comb Reds. Stock and eggs in season. C. R. Smith, Burnt Prairie, Ill. 11-2



BUY a Pacific Coast Buff Rock, Collier has them. I can send you cockerels or pullets that will help your yards. Eggs, $3 to $10. Send for circular. Harry H. Collier, Tacoma, Washington. 11-tf



S. C. W. LEGHORNS ONLY. Bred for eggs and size. Yearling hens and cockerels for sale. Am now booking orders for eggs and chicks for spring delivery. Large orders solicited. New catalogue free. Address Polo Leghorn Farm, Lock Box 441, Polo, Ill. 12-14-1yr



MAPLECROFT FARMS S. C. Rhode Island Reds. Won 1st pullet at both New York shows two consecutive years. High grade breeders and eggs for sale. Maplecroft Farms, Box A, Pawling, New York. 11-3



MASSEY'S FAMOUS White Wyandottes, the kind that will please you. If you want exhibition birds or birds that are bred to lay, then it will pay you to write me. Prices very reasonable. Ernest Massey, Box 157, Mystic, Iowa. 2-14-1yr



MY S. C. REDS won 20 ribbons and 6 specials at Havana and Canton last season. I have a fine flock of over 400 dark, rich, red birds. Single birds, trios or pens. Prices moderate.
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Belgian Hares PURE BRED UTILITY BELGIAN Hares; pairs not related, five dollars. Bred Does, four dollars each. Bucks, breeding age, $2.50. Two-month-old stock, two dollars pair. Order from this advertisement. No catalogue. H. Jackson, Lock Box 371, Geneva, Illinois. 11-2

STOCK FOR SALE PARTRIDGE, BARRED, WHITE, Silver Penciled, Columbian, Plymouth Rocks, Rose and Single Comb Buff, Black and White Orpingtons (Blacks imported), Silver Campines and Derbyshire Red Caps. We have old and young stock of high class at special price. John A. Hageman Co., Charlotte, Mich. 9-13-tf

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My Birds win at the Greater Buffalo show, 1st and 2d ckls., 1st and 2d hens, 2d cock, 3d and 4th pullets, 3rd pen. Silver cup for best display. Young stock ready to ship in Sept. for the Fall shows. A. F. Almendinger, 61 Inwood Place, Buffalo, New York.

WILL PAY RELIABLE man or woman $12.50 to distribute 100 **Free** pkgs. Perfumed Borax Soap Powder among friends. No money required. **V. Ward Co., 224 Institute Pl., Chicago.**

OAT SPROUTER $2.00

For $2 you can build the best oat-sprouter on earth; easiest to operate. A boy with a saw and hammer can make one in an evening. Plans 25c.
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RYAN BROS. WIN THE BIG PRIZE AT HAGERSTOWN

At the Hagerstown Fair Poultry Show, October 1914, conceded to be the greatest collection of poultry ever brought together in America, we won 1st ckl., 1st hen and specials for best S. C. W. Leghorn male and female in the show. Eggs for hatching after Dec. 15. Baby chicks after Jan. 15. Stock for sale at all times. Write for prices.
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You can take a FULL BUSHEL of feed—pour it in to the hopper of this—the peer of all poultry feeders—go about your other duties and rest assured that the flock is being properly fed.

No theiving birds, mice or rats will get any of the feed, neither will any feed lay on the ground to get musty and unfit to eat. The birds get just what they require to build up their system and keep them in the best of condition.

When these feeders are installed we guarantee that the egg production of your flock will increase—the feed bills decrease and work of feeding the chickens will be reduced to a minimum.

Save Money

You are wasting money every day by hand feeding.

You know what your time is worth—what feed is worth and what eggs are worth—you be the judge and the jury—and if you find that you can save money by filling the the hopper of an automatic feeder once a week—a feeder that will positively feed your chickens better than any man can by hand-feeding and which will give the flock the necessary exercise in order to obtain the feed—then look into this



Just Think

How many trips do you make to the chickens when feeding by hand—how much time do you devote to feeding which could be more profitably devoted to other work—how much grain is eaten by rats, mice and sparrows—and after all, are you feeding the chickens so as to get the most profit out of the flock, or are the stronger ones getting their share and the weaker ones getting just enough to keep them alive but not enough to instill life into their laying organs?

Simplex "Faultless" Feeder

If Ever Value Was Offered It Is Here

The full bushel size Simplex Faultless Feeder is what most everyone terms $5.00 value for $2.00. This full bushel size is made of extra heavy galvanized iron—reinforced throughout—hopper height 18 inches—width and reflector 13½ inches—hangs up by a bale or can be set up on legs. The value of this particular size cannot be described with printers ink—it must be seen to be appreciated—**one look** convinces the most skeptical that what we say is true—it's the biggest value ever offered—not excepting the big value we offer in the smaller sizes.

Again We Say—Money Back If Not Satisfied

If you purchase your poultry supplies from a local dealer—take this advertisement to him—ask him to order a sample feeder, if he has not a "Faultless" in stock—accept no substitute—it has no equal.

If you have no local dealer in your town—or if your local dealer will not supply **Simplex Faultless Feeders,** send direct to us—it will be shipped promptly and the express charges will be refunded to you by a credit check. Should you not be satisfied in every way—return the goods and we will return the money you paid for them.

¼ Bushel - - $1.00
½ Bushel - - $1.50

THE SIMPLEX — SIMPLEX SUPPLY HOUSE — Faultless — CHICAGO ILLINOIS U.S.A. — POULTRY FEEDER

Full Bushel - $2.00
Low Coop - $1.00

SIMPLEX SUPPLY HOUSE **Pontiax Building** **CHICAGO, ILLINOIS**

Our money saving catalogue describing Feeders, Brooders, Incubators, Grain Sprouters, Fountains, Feeding Troughs, Mash Hoppers, Grit Boxes, Brood Coops, Exhibition Coops, Trap Nests, Egg Carriers, Leg Bands and various Remedies and Preparations of merit will be sent upon request or upon receipt of your order from this advertisement.

ANDREWS PAPER BOX COMPANY

CHATTANOOGA, TENN.

Manufacturers of Andrews Safety Egg Carriers, Baby Chick Carriers, Colony Houses, Exhibition Shipping Coops



SEE THAT AIR CHAMBER

Distributors of

Andrews' "DEATHMITE"

a most satisfactory preparation for the extermination of lice and mites.

Birds for exhibition, well cooped, arrive in the showroom in far better condition than when sent in the ordinary manner. You should investigate our colony houses and shipping coops before the winter arrives.

Andrews' Deathmite, $1.00 per box is guaranteed to give satisfaction or money refunded; a very valuable preparation for all poultrymen.

You can't afford to be without our catalogue of Poultry Specialties. Sent upon request.

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The South's Leading Corrugated Fibre Box Manufacturers

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View Showing One of the Models of Andrews Colony Houses—the Most Sanitary and Best Devised Colony House Manufactured.

ASK THE JUDGES



First Prize Cockerel at Memphis, 1914
Cut made from unretouched photo.

What O. B. Andrews' Famous Efficiency Strain Barred Plymouth Rocks and S. C. W. Leghorn accomplished at the great Memphis Tri-State Show, October 3d, and they will tell you that my exhibit of fifty-two birds was one of the finest displays ever cooped.

My record was truly a magnificent one in the strongest competition ever seen in the South. The Leghorn and Barred Rock entries were the largest ever seen south of the Ohio River. Just ponder for a moment on one breeder at such a show winning the following-

> **1st White Leghorn cockerel, 1st Barred Rock cockerel, medal for champion Leghorn male, medal for champion Barred Rock cockerel, cup for best cockerel exhibited from State of Tennessee, also 5th Leghorn hen, 2d Barred Rock hen and 3d exhibition pen. Every bird was BRED and RAISED at Efficiency Strain Farm.**

I can't win at all the shows because I cannot make them. I pick the best, however.

What Efficiency Strain has done for me, in my wonderful winnings at Knoxville, Chattanooga, Atlanta, New Orleans, Memphis and other great shows—it will do for you. I have hundreds of Rocks and Leghorns in my yards in pink of condition—ready to win for you. Breeding stock—exhibition birds on hand at all times.

If interested in these two grand breeds, why not get Efficiency Strain and have the best?

Barred Rock Eggs, (either mating) from prize matings, **$6.00 per 15**
White Leghorn Eggs, from my best pens, **$4.00 per 15**

If you are troubled with lice and mites, send $1.00 for box of "Deathmite." I guarantee satisfaction or money refunded.

"Ask the judges" and send for beautiful catalogue.

O. B. ANDREWS, CHATTANOOGA, TENNESSEE

Originator-Breeder Famous Efficiency Strain Barred Plymouth Rocks and Single Comb White Leghorns

E·B·Thompson's "Imperial Ringlet" Barred Plymouth Rocks

Eclipse all former achievements and win the most brilliant record of their time at Madison Square Garden, New York, this Winter of 1914, winning as follows:

ALL RIBBONS ON COCKERELS, namely, first, second, third, fourth and fifth prizes.

First and fourth on Cocks.

First, second and fourth on Exhibition Pens.

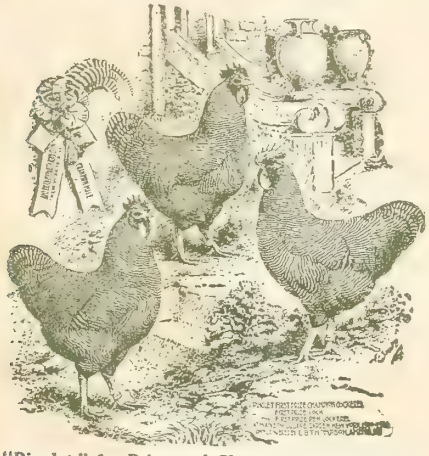
The Imperial prize of the show, Sweepstakes Special for Champion Male.

Medallion for Champion Cockerel.

Diploma presented by the American Poultry Association for Best Cockerel.

Spec'l for Best Shaped Male.

Spec'l for Best Colored Male.



"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York.

Silver Cup for Best Plymouth Rock hatched in 1913, male or female, any variety.

Specials presented by the President of the American Barred Rock Club for Best Cockerel and Best Pullet.

Three Best Cockerels; Best Display; Best Collection.

Silver Cup presented by the New York Sun for best Cock, Hen, Cockerel, Pullet and Pen.

Sweepstakes Silver Cup for Best Exhibition Pen.

The Association $25 in Gold for Best Display.

All Silver Cups and Cash Specials.

Three times as many first Prizes as any Barred Rock Exhibitor.

More First, Regular and Special Prizes than any Exhibitor of any breed.

My exhibit was the most illustrious ever presented to the world —every winning feather was bred on my farm.

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